



Alberto Palanques Monteys

Generado desde: Editor CVN de FECYT

Date of document: 20/03/2015

v 1.3.0

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Current professional situation

Employing entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Department: CENTRO MEDITERRANEO DE INVESTIGACIONES MARINAS Y AMBIENTALES
Professional category: Director de Centro
Start date: 10/10/2013
Type of contract: Civil servant **Dedication regime:** Full time
Primary (UNESCO code): 250000 - Earth and space sciences
Performed tasks: Geólogo Marino, Oceanógrafo, Director de Instituto y Centro
Identify key words: Natural sciences and health sciences

Employing entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Department: CENTRO MEDITERRANEO DE INVESTIGACIONES MARINAS Y AMBIENTALES
Professional category: Director de Centro
Start date: 07/07/2009
Type of contract: Civil servant **Dedication regime:** Full time
Primary (UNESCO code): 250000 - Earth and space sciences
Performed tasks: Geólogo Marino, Oceanógrafo, Director de Instituto y Centro
Identify key words: Natural sciences and health sciences

Employing entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Department: Instituto de Ciencias del Mar
Professional category: Director de Instituto
Start date: 22/06/2009
Type of contract: Civil servant **Dedication regime:** Full time
Primary (UNESCO code): 250000 - Earth and space sciences

Performed tasks: Geólogo Marino, Oceanografo, Director de Instituto y Centro
Identify key words: Natural sciences and health sciences

Employing entity: Consejo Superior de Investigaciones Científicas
Type of entity: State agency

Department: Instituto de Ciencias del Mar

Professional category: Profesor de Investigación

Start date: 18/07/2008

Type of contract: Civil servant

Dedication regime: Full time

Primary (UNESCO code): 250000 - Earth and space sciences

Performed tasks: Geólogo Marino, Oceanografo, Director de Instituto y Centro
Identify key words: Natural sciences and health sciences

Previous positions and activities

	Employing entity	Professional category	Start date
1	Instituto de Ciencias del Mar	Vicedirector	24/06/2005
2	Lamont Doherty Earth Observatory University of Columbia NY USA	Becario Postdoctoral en el extranjero	01/12/1987
3	Consejo Superior de Investigaciones Científicas	Investigador Científico	12/07/2001
4	Consejo Superior de Investigaciones Científicas	Colaborador Científico	01/02/1989
5	Instituto de Ciencias del Mar	Becario predoctoral	01/01/1987
6	Instituto de Ciencias del Mar	Contratado predoctoral	01/01/1986
7	Instituto de Ciencias de la Tierra Jaume Almera	Contratado predoctoral	01/01/1985
8	Instituto de Ciencias de la Tierra Jaume Almera	Contratado predoctoral	01/01/1984
9	Instituto de Ciencias de la Tierra Jaume Almera	Contratado predoctoral	01/01/1983
10	Instituto de Ciencias de la Tierra Jaume Almera	Contratado predoctoral	01/01/1982

1 **Employing entity:** Instituto de Ciencias del Mar **Type of entity:** State agency

Professional category: Vicedirector

Start-End date: 24/06/2005 - 21/06/2009

Duration: 4 years

2 **Employing entity:** Lamont Doherty Earth Observatory University of Columbia NY USA **Type of entity:** University

Professional category: Becario Postdoctoral en el extranjero

Start-End date: 01/12/1987 - 31/01/2009

Duration: 1 year - 2 months

3 **Employing entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency

Professional category: Investigador Científico

Start-End date: 12/07/2001 - 17/07/2008

Duration: 7 years - 4 days



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| <p>4 Employing entity: Consejo Superior de Investigaciones Científicas
Professional category: Colaborador Científico
Start-End date: 01/02/1989 - 11/07/2001</p> | <p>Type of entity: State agency
Duration: 12 years - 5 months - 11 days</p> |
| <p>5 Employing entity: Instituto de Ciencias del Mar
Professional category: Becario predoctoral
Start-End date: 01/01/1987 - 30/11/1987</p> | <p>Type of entity: State agency
Duration: 11 months</p> |
| <p>6 Employing entity: Instituto de Ciencias del Mar
Professional category: Contratado predoctoral
Start-End date: 01/01/1986 - 01/12/1986</p> | <p>Type of entity: State agency
Duration: 1 year</p> |
| <p>7 Employing entity: Instituto de Ciencias de la Tierra Jaume Almera
Professional category: Contratado predoctoral
Start-End date: 01/01/1985 - 01/12/1985</p> | <p>Type of entity: State agency
Duration: 1 year</p> |
| <p>8 Employing entity: Instituto de Ciencias de la Tierra Jaume Almera
Professional category: Contratado predoctoral
Start-End date: 01/01/1984 - 01/12/1984</p> | <p>Type of entity: State agency
Duration: 1 year</p> |
| <p>9 Employing entity: Instituto de Ciencias de la Tierra Jaume Almera
Professional category: Contratado predoctoral
Start-End date: 01/01/1983 - 01/12/1983</p> | <p>Type of entity: State agency
Duration: 1 year</p> |
| <p>10 Employing entity: Instituto de Ciencias de la Tierra Jaume Almera
Professional category: Contratado predoctoral
Start-End date: 01/01/1982 - 01/12/1983</p> | <p>Type of entity: State agency
Duration: 1 year</p> |



Education

University education

1st and 2nd cycle studies and pre-Bologna degrees

- 1 **University degree:** Higher degree
Name of qualification: Grado en Ciencias Geológicas
Degree awarding entity: Universitat de Barcelona **Type of entity:** University
Date of qualification: 01/04/1984
- 2 **University degree:** Higher degree
Name of qualification: Licenciado en Ciencias Geológicas
Degree awarding entity: Universitat de Barcelona **Type of entity:** University
Date of qualification: 01/07/1981
- 3 **University degree:** Middle degree
Name of qualification: Gemólogo
Degree awarding entity: Universitat de Barcelona **Type of entity:** University
Date of qualification: 01/07/1981

Doctorates

Doctorate programme: Programa Oficial de Doctorado en Ciencias del Mar
Degree awarding entity: Universitat Politècnica de Catalunya **Type of entity:** University
Date of degree: 13/05/1987

Language skills

Language	Speaking	Reading	Writing
French	Intermediate	Advanced	Elementary
Catalan	Advanced	Advanced	Advanced
English	Advanced	Advanced	Advanced

Teaching experience



General teaching experience

- 1** **Name of the course:** Contaminación Marina
University degree: Master en Estudios de Impacto y Auditorias Ambientales
Start date: 1998 **End date:** 1999
End date: 1999
Entity: International University Study Center (IUSC) **Type of entity:** institución académica internacional de educación superior
- 2** **Name of the course:** Dinámica del sedimento fino. Transferencia de material particulado entre el continente y el océano
University degree: doctorado de Ciencias del Mar.
Start date: 1991 **End date:** 1997
End date: 1997
Entity: Universitat de Barcelona **Type of entity:** University

Experience supervising doctoral thesis and/or final year projects

- 1** **Project title:** Sediment dynamics and associated heavy metals in a small river and wave dominated inner shelf
Type of project: Doctoral thesis
Entity: Universitat Politècnica de Catalunya **Type of entity:** University
Student: Laura López Fernández
Obtained qualification: Excelente
Date of reading: 2013
European doctorate: Yes
- 2** **Project title:** Flujos biogeoquímicos en el Cañón Submarino del Guadiaro
Type of project: Doctoral thesis
Entity: Universitat Politècnica de Catalunya **Type of entity:** University
Student: Mohamed El-Khatib
Obtained qualification: Excelente
Date of reading: 2006
- 3** **Project title:** Flujos sedimentarios y procesos dinámicos en el Cañón de Palamós
Type of project: Doctoral thesis
Entity: Universitat Politècnica de Catalunya **Type of entity:** University
Student: Jacobo Martín
Obtained qualification: Excelente (Cum Laude).
Date of reading: 2005
- 4** **Project title:** Metales traza en el agua de mar y el sedimento de la Bahía de Florida y aguas adyacentes.
Type of project: Doctoral thesis
Entity: Universitat Politècnica de Catalunya **Type of entity:** University
Student: Valentina Caccia
Obtained qualification: Excelente (Cum Laude).
Date of reading: 2002



- 5** **Project title:** Flujos de Carbono en el Estrecho de Bransfield (Antártida).
Type of project: Doctoral thesis
Entity: Universitat Politècnica de Catalunya **Type of entity:** University
Student: Enrique Isla.
Obtained qualification: Excelente (Cum Laude).
Date of reading: 2001
- 6** **Project title:** Paleoceanografía del Mar de Alborán y Pacífico Sur.
Type of project: Doctoral thesis
Entity: Universitat Politècnica de Catalunya **Type of entity:** University
Student: Ana Plaza García
Obtained qualification: Excelente (Cum Laude).
Date of reading: 2001
- 7** **Project title:** Estudio del comportamiento del 210Pb y el 210Po en el mar Catalano-Balear y su uso como radiotrazadores.
Type of project: Doctoral thesis
Entity: Universitat Autònoma de Barcelona **Type of entity:** University
Student: Pere Masqué Barri
Obtained qualification: Excelente (Cum Laude).
Date of reading: 1999
- 8** **Project title:** Dinámica de los flujos de partículas y contaminantes en el margen continental de Barcelona.
Type of project: Doctoral thesis
Entity: Universitat Politècnica de Catalunya **Type of entity:** University
Student: Pere Puig Alenyà
Obtained qualification: Excelente (Cum Laude).
Date of reading: 1998
- 9** **Project title:** Contaminación de metales pesados en los ríos y litoral de Cataluña
Type of project: Work leading to an ASD
Entity: Universitat Politècnica de Catalunya **Type of entity:** University
Student: Marc Belzunces

Student tutorials

Name of the programme: Doctorate
Entity: Instituto de Ciencias del Mar **Type of entity:** State agency
Number of tutored students: 11

Other activities/achievements not included above

- 1** **Description of the activity:** Director español del proyecto "Medida acústica de la concentración de partículas en el medio marino: su aplicación al estudio de la puesta en suspensión de los sedimentos costeros" desarrollado por Bénédicte Ferré
Organising entity: Universidad de Perpignan **Type of entity:** University
End date: 2001



- 2** **Description of the activity:** Director de la beca de Introducción a la Investigación de Isabel Requera
Organising entity: Universidad de Salamanca **Type of entity:** University
End date: 1999
- 3** **Description of the activity:** Profesor de cursos avanzados del "Marine Science and Technology program"
Organising entity: Universitat Politècnica de Catalunya **Type of entity:** University
End date: 1999
- 4** **Description of the activity:** Cursos acerca de la geología de los abanicos submarinos durante la campaña TREDMAR realizada en el Mediterráneo Noroccidental para estudiantes postgraduados de ciencias marinas
Organising entity: UNESCO **Type of entity:** Institution
End date: 1993
- 5** **Description of the activity:** Director de la estancia de Carlota Montori dentro del marco de la "Maîtrise "Sciences de l'Environment"
Organising entity: Universidad de Perpignan **Type of entity:** University
End date: 1977

Scientific and technological experience

Research and development groups/teams

- 1** **Name of the group:** Investigador responsable del "Grupo de Procesos Litorales y Oceánicos",
Aims of the group: grupo de investigación calidad consolidado en el marco del Plan de Investigación de Cataluña
Affiliation entity: Generalitat de Catalunya **Type of entity:** comunidad autónoma
Start date: 01/01/2014 **Duration:** 4 years
- 2** **Name of the group:** Investigador responsable del "Grupo de Procesos Litorales y Oceánicos",
Aims of the group: grupo de investigación calidad consolidado en el marco del Plan de Investigación de Cataluña
Affiliation entity: Generalitat de Catalunya **Type of entity:** comunidad autónoma
Start date: 2009 **Duration:** 4 years
- 3** **Name of the group:** Investigador responsable del "Grupo de Procesos Litorales y Oceánicos",
Aims of the group: grupo de investigación calidad consolidado en el marco del Plan de Investigación de Cataluña
Affiliation entity: Generalitat de Catalunya **Type of entity:** comunidad autónoma
Start date: 2005 **Duration:** 3 years
- 4** **Name of the group:** Investigador responsable del "Grupo de Procesos Litorales y Oceánicos",
Aims of the group: grupo de investigación calidad consolidado en el marco del Plan de Investigación de Cataluña
Affiliation entity: Generalitat de Catalunya **Type of entity:** comunidad autónoma
Start date: 2004 **Duration:** 2 years
- 5** **Name of the group:** Investigador responsable del "Grupo de Procesos Litorales y Oceánicos",
Aims of the group: grupo de investigación calidad consolidado en el marco del Plan de Investigación de Cataluña
Affiliation entity: Generalitat de Catalunya **Type of entity:** comunidad autónoma
Start date: 2002 **Duration:** 2 years



Scientific or technological activities

R&D projects funded through competitive calls of public or private entities.

1 **Name of the project:** Formas de fondo y su dinámica actual en el margen continental Mediterráneo español

Type of project: Basic research (including archaeological digs, etc)

Geographical area: National

Degree of contribution: Researcher

Entity where project took place: Instituto de Ciencias del Mar

Type of entity: State agency

City of entity: Barcelona, Catalonia, Spain

Name principal investigator (PI, Co-PI....): Jorge Guillén

Funding entity or bodies:

Ministerio de Economía y Competitividad

Type of entity: Ministerio

Type of participation: Collaborator

Start-End date: 2013 - 2015

Duration: 3 years

Dedication regime: Full time

2 **Name of the project:** Contemporary Off-shelf Sediment Transport on the Ebro Margin (COSTEM)

Type of project: Basic research (including archaeological digs, etc)

Geographical area: National

Degree of contribution: Researcher

Entity where project took place: Instituto de Ciencias del Mar

Type of entity: State agency

Name principal investigator (PI, Co-PI....): Pere Puig

Funding entity or bodies:

Ministerio de Ciencia e Innovación

Type of entity: Ministerio

City funding entity: Madrid, Community of Madrid, Spain

Type of participation: Collaborator

Start-End date: 2009 - 2012

Duration: 3 years

3 **Name of the project:** Hotspot Ecosystem Research and Man's Impact on European Seas

Geographical area: European Union

Degree of contribution: Scientific coordinator

Entity where project took place: Instituto de Ciencias del Mar

Type of entity: State agency

City of entity: Spain

Name principal investigator (PI, Co-PI....): Alberto Palanques Monteys

Funding entity or bodies:

Unión Europea

Type of entity: CEE

City funding entity: Bruselas, Belgium

Type of participation: Coordinator

Start-End date: 2008 - 2012

Duration: 3 years



- 4** **Name of the project:** Science and Policy Integration for Coastal Systems Assessment SPICOSA
Geographical area: European Union
Degree of contribution: Researcher
Entity where project took place: Instituto de Ciencias del Mar **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): CSIC: Dolors Blasco
Funding entity or bodies: Union Europea **Type of entity:** CEE
City funding entity: Bruselas, Belgium
Type of participation: Collaborator
Code according to the funding entity: Contract no.: 036992
Start-End date: 2007 - 2010 **Duration:** 4 years
- 5** **Name of the project:** Efectos de riadas y tormentas en los sedimentos y metales pesados asociados de un sistema litoral afectado por actividades industriales y urbanas CTM2006-06919
Geographical area: National
Degree of contribution: Scientific coordinator
Entity where project took place: Instituto de Ciencias del Mar **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Alberto Palanques Monteys
Funding entity or bodies: MINISTERIO DE EDUCACION Y CIENCIA
City funding entity: Spain
Type of participation: Coordinator
Code according to the funding entity: CTM2006-06919
Start-End date: 2006 - 2009 **Duration:** 3 years
- 6** **Name of the project:** Climate variability and El Niño Southern Oscillation: Implications for natural coastal Resources and management CENSOR
Geographical area: European Union
Degree of contribution: Researcher
Entity where project took place: Instituto de Ciencias del Mar **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): CSIC: Enrique Isla Saavedra
Funding entity or bodies: Union Europea
Type of participation: Collaborator
Code according to the funding entity: Contract no.: 511071
Start-End date: 2005 - 2008 **Duration:** 3 years
- 7** **Name of the project:** Estudio de la movilidad de los metales pesados, compuestos organoclorados y radionúclidos del Embalse de Flix y de su acumulación en las cadenas tróficas
Geographical area: Regional
Degree of contribution: Scientific coordinator
Entity where project took place: Instituto de Ciencias del Mar **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Alberto Palanques Monteys
Funding entity or bodies: Ministerio de Educación y Ciencia -Agencia Catalana del Agua
Type of participation: Coordinator

**Start-End date:** 2005 - 2008**Duration:** 3 years**8 Name of the project:** Hotspot ecosystem research on the margin of European Seas (HERMES)**Type of project:** Basic research (including archaeological digs, etc)**Geographical area:** European Union**Degree of contribution:** Researcher**Entity where project took place:** Instituto de Ciencias del Mar**Type of entity:** State agency**Name principal investigator (PI, Co-PI....):** Pere Puig Alenyà**Funding entity or bodies:**

Unión Europea

Type of participation: Collaborator**Code according to the funding entity:** Contract no.: 511234**Start-End date:** 2005 - 2008**Duration:** 3 years**9 Name of the project:** Contemporary sediment transport processes through submarine canyon heads.**Geographical area:** Non EU International**Degree of contribution:** Researcher**Entity where project took place:** Instituto de Ciencias del Mar**Type of entity:** State agency**Name principal investigator (PI, Co-PI....):** Pere Puig**Funding entity or bodies:**

O.N.R. (USA)

Office of Naval Research

Type of participation: Collaborator**Start-End date:** 2004 - 2007**Duration:** 2 years**10 Name of the project:** Morfodinámica de playas urbanizadas: integración de datos experimentales y modelos teóricos. Parte experimental.**Geographical area:** National**Degree of contribution:** Researcher**Entity where project took place:** Instituto de Ciencias del Mar**Type of entity:** State agency**Name principal investigator (PI, Co-PI....):** Jorge Guillén Aranda**Funding entity or bodies:**

Ministerio de ciencia y Tecnología

Type of participation: Collaborator**Start-End date:** 2004 - 2007**Duration:** 3 years**11 Name of the project:** Un estudio multidisciplinar sobre los procesos de acoplamiento plakton-bentos en el mar de Weddel**Type of project:** Basic research (including archaeological digs, etc)**Geographical area:** National**Degree of contribution:** Researcher**Entity where project took place:** Instituto de Ciencias del Mar**Type of entity:** State agency**Name principal investigator (PI, Co-PI....):** Francesc Pagès**Funding entity or bodies:**

Ministerio de Ciencia y Tecnología



Type of participation: Collaborator

Start-End date: 2004 - 2007

Duration: 3 years

12 Name of the project: European Strata formation EUROSTRATAFORM

Type of project: Basic research (including archaeological digs, etc)

Geographical area: European Union

Degree of contribution: Scientific coordinator

Entity where project took place: Instituto de Ciencias del Mar

Type of entity: State agency

Name principal investigator (PI, Co-PI....): Albert Palanques

Funding entity or bodies:

Unión Europea

Type of participation: Coordinator

Start-End date: 2002 - 2005

Duration: 3 years

13 Name of the project: Formation of crenulated clinoforms on continental shelves.

Geographical area: Non EU International

Degree of contribution: Researcher

Entity where project took place: Instituto de Ciencias del Mar

Type of entity: State agency

Name principal investigator (PI, Co-PI....): Pere Puig

Funding entity or bodies:

Office of Naval Research

City funding entity: United States of America

Type of participation: Collaborator

Start-End date: 2002 - 2005

Duration: 2 years

14 Name of the project: Response of benthic communities and sediment to different fishing activity in European coastal waters (RESPONSE)

Geographical area: European Union

Degree of contribution: Scientific coordinator

Entity where project took place: Instituto de Ciencias del Mar

Type of entity: State agency

Name principal investigator (PI, Co-PI....): Montserrat Demestre Alted; Alberto Palanques Monteys

Funding entity or bodies:

Unión Europea

Type of participation: Coordinator

Start-End date: 2002 - 2005

Duration: 3 years

15 Name of the project: Control de las comunidades bentónicas sobre la resuspensión de sedimento en la zona costera mediterránea

Entity where project took place: Instituto de Ciencias del Mar

Type of entity: State agency

City of entity: Barcelona, Catalonia, Spain

Name principal investigator (PI, Co-PI....): Jorge Guillén

Funding entity or bodies:

Comisión Interministerial de Ciencia y Tecnología

Type of entity: Body, others

Start-End date: 2000 - 2003

Duration: 3 years



- 16** **Name of the project:** Estudio multidisciplinar de la dinámica de un cañón submarino y su repercusión sobre la ecología del margen continental del Mediterráneo Noroccidental.
Type of project: Basic research (including archaeological digs, etc) **Geographical area:** National
Degree of contribution: Coordinator of total project, network or consortium
Entity where project took place: Instituto de Ciencias del Mar **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Alberto Palanques monteys
Funding entity or bodies: Comisión Interministerial de Ciencia y Tecnología **Type of entity:** Body, others
Type of participation: Coordinator
Start-End date: 2000 - 2003 **Duration:** 2 years
- 17** **Name of the project:** Harmful Algal Blooms Expert Systems.
Geographical area: European Union
Degree of contribution: Researcher
Entity where project took place: Instituto de Ciencias del Mar **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): ICM: Marta Estrada
Funding entity or bodies: Unión Europea
Type of participation: Collaborator
Start-End date: 2000 - 2003 **Duration:** 3 years
- 18** **Name of the project:** Environmental impact of trawling on the benthic system on two different sea beds of the NW Mediterranean.
Type of project: Basic research (including archaeological digs, etc) **Geographical area:** European Union
Degree of contribution: Scientific coordinator
Entity where project took place: Instituto de Ciencias del Mar **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Pilar Sánchez Zalacaín; Alberto Palanques Monteys
Funding entity or bodies: Unión Europea
Type of participation: Coordinator
Start-End date: 1998 - 2000 **Duration:** 2 years
- 19** **Name of the project:** Flujos sedimentarios asociados al intercambio en zonas de mares semicerrados y frentes.
Type of project: Basic research (including archaeological digs, etc) **Geographical area:** National
Degree of contribution: Coordinator of total project, network or consortium
Entity where project took place: Instituto de Ciencias del Mar **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Albert Palanques Monteys
Funding entity or bodies: Comisión Interministerial de Ciencia y Tecnología **Type of entity:** Comisión
City funding entity: Madrid, Community of Madrid, Spain
Type of participation: Coordinator
Start-End date: 1996 - 1999 **Duration:** 3 years



- 20 Name of the project:** Fluxes across narrow shelves (FANS).
Type of project: Basic research (including archaeological digs, etc) **Geographical area:** European Union
Degree of contribution: Scientific coordinator
Entity where project took place: Instituto de Ciencias del Mar **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Alberto Palanques MOnteys
Funding entity or bodies: Unión Europea
Type of participation: Coordinator
Start-End date: 1996 - 1999 **Duration:** 3 years
- 21 Name of the project:** Impact of bottom trawling on the sediment and benthic communities in the NW Mediterranean.
Geographical area: European Union
Degree of contribution: Scientific coordinator
Entity where project took place: Instituto de Ciencias del Mar **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Pilar Sánchez Zalacaín; Alberto Palanques MOnteys
Funding entity or bodies: Unión Europea
Type of participation: Coordinator
Start-End date: 1996 - 1998 **Duration:** 2 years
- 22 Name of the project:** Flujo de carbono en un área de elevada productividad: cuenca occidental del Estrecho de Bransfield y Estrecho de Gerlache, Antártida.
Geographical area: National
Degree of contribution: Researcher
Entity where project took place: Instituto de Ciencias del Mar **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Dr. Ricardo Anadón
Funding entity or bodies: Comisión Interministerial de Ciencia y Tecnología **Type of entity:** Comisión
City funding entity: Madrid, Community of Madrid, Spain
Type of participation: Collaborator
Start-End date: 1994 - 1997 **Duration:** 3 years
- 23 Name of the project:** Variabilidad glaciar-interglaciar de los gradientes de temperatura, la formación de aguas profundas y la posición geográfica del Frente Subtropical en el Pacífico Sur.
Geographical area: National
Degree of contribution: Coordinator of total project, network or consortium
Entity where project took place: Instituto de Ciencias del Mar **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Alberto Palanques Monteys
Funding entity or bodies: Comisión Interministerial de Ciencia y Tecnología **Type of entity:** Comisión
City funding entity: Madrid, Community of Madrid, Spain
Type of participation: Coordinator
Start-End date: 1995 - 1996 **Duration:** 1 year



- 24** **Name of the project:** EUROMARGE
Geographical area: European Union
Degree of contribution: Scientific coordinator
Entity where project took place: Instituto de Ciencias del Mar **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Andre Monaco; Alberto Palanques Monteys
Funding entity or bodies: Unión Europea
Type of participation: Coordinator
Start-End date: 1993 - 1995 **Duration:** 3 years
- 25** **Name of the project:** EUROMARGE: Mediterraneo Occidental
Degree of contribution: Scientific coordinator
Entity where project took place: Instituto de Ciencias del Mar **Type of entity:** State agency
Funding entity or bodies: Comisión Interministerial de Ciencia y Tecnología **Type of entity:** Gobierno
City funding entity: Madrid, Community of Madrid, Spain
Type of participation: Coordinator
Start-End date: 1993 - 1995 **Duration:** 2 years
- 26** **Name of the project:** Arquitectura y evolución de la cuenca de Alborán
Geographical area: National
Degree of contribution: Researcher
Entity where project took place: Instituto de Ciencias del Mar **Type of entity:** State agency
City of entity: Barcelona, Catalonia, Spain
Name principal investigator (PI, Co-PI....): Dra. Belén Alonso Martínez
Funding entity or bodies: DGICYT
Type of participation: Collaborator
Start-End date: 1992 - 1995 **Duration:** 3 years
- 27** **Name of the project:** Dinámica de los flujos de Partículas y contaminantes inorgánicos, transferencia continente-océano
Geographical area: National
Degree of contribution: Scientific coordinator
Entity where project took place: Instituto de Ciencias del Mar **Type of entity:** State agency
City of entity: Barcelona, Catalonia, Spain
Name principal investigator (PI, Co-PI....): Albert Palanques Monteys
Funding entity or bodies: Comisión Interministerial de Ciencia y Tecnología **Type of entity:** Comisión
City funding entity: Madrid, Community of Madrid, Spain
Type of participation: Coordinator
Start-End date: 1992 - 1995 **Duration:** 3 years



- 28** **Name of the project:** Elaboración de un proyecto de investigación sobre el ciclo de Carbono
Geographical area: National
Degree of contribution: Researcher
Entity where project took place: Instituto de Ciencias del Mar **Type of entity:** State agency
City of entity: Barcelona, Catalonia, Spain
Name principal investigator (PI, Co-PI....): Ricardo Anadón Alvarez.
Funding entity or bodies: Comisión Interministerial de Ciencia y Tecnología **Type of entity:** Gobierno
City funding entity: Madrid, Community of Madrid, Spain
Start-End date: 1993 - 1993 **Duration:** 1 year
- 29** **Name of the project:** Análisis y propuesta de soluciones para estabilizar el Delta del Ebro.
Geographical area: Regional
Degree of contribution: Researcher
Entity where project took place: Instituto de Ciencias del Mar **Type of entity:** State agency
City of entity: Barcelona, Catalonia, Spain
Name principal investigator (PI, Co-PI....): Dr. A. Maldonado.
Funding entity or bodies: Departamento de política territorial y obras publicas de la Generalitat de Cataluña.
Dirección General de Ports i costes
Type of participation: Collaborator
Start-End date: 1988 - 1992 **Duration:** 4 years
- 30** **Name of the project:** Procesos de intercambio Plataforma Talud en el "Mid Atlantic Bight".
Geographical area: Non EU International
Degree of contribution: Researcher
Entity where project took place: Lamont Doherty Earth Observ. Univ. de Columbia **Type of entity:** Centro de Investigación
City of entity: Palisades, United States of America
Name principal investigator (PI, Co-PI....): Pierre E. Biscaye
Funding entity or bodies: Departamento de Investigación Ambiental Norteamérica
Type of participation: Collaborator
Start-End date: 1988 - 1990 **Duration:** 3 years
- 31** **Name of the project:** Programa integrado para el estudio del efecto del depósito submarino de lodos de la zona del río Besós sobre la zona costera de Barcelona (SPIO).
Geographical area: Regional
Degree of contribution: Researcher
Entity where project took place: Instituto de Ciencias del Mar **Type of entity:** State agency
City of entity: Barcelona, Catalonia, Spain
Name principal investigator (PI, Co-PI....): Dr. Parés.
Funding entity or bodies: Corporación Metropolitana de Barcelona y Ministerio de Obras Públicas.
Type of participation: Collaborator
Start-End date: 1987 - 1989 **Duration:** 2 years



- 32** **Name of the project:** Investigación Oceanográfica sobre el Encuadre Geológico, Dinámica Sedimentaria, Riesgos Ambientales y Recursos del Margen Continental Español.
Type of project: Precompetitive development **Geographical area:** Non EU International
Degree of contribution: Researcher
Entity where project took place: Instituto de Ciencias de la Tierra Jaume Almera **Type of entity:** State agency
City of entity: Barcelona, Catalonia, Spain
Name principal investigator (PI, Co-PI....): Andrés Maldonado López; Hans Nelson
Funding entity or bodies:
Comité Conjunto Hispano-Americano para la Colaboración Científica y Técnica. REF. CCA 8309/47.
Type of participation: Collaborator
Start-End date: 1984 - 1988 **Duration:** 5 years
- 33** **Name of the project:** Los Márgenes Continentales y Cuencas Profundas del Mar Mediterráneo Noroccidental: Geología y Oceanografía de la Cuenca Norbalear.
Degree of contribution: Researcher
Entity where project took place: Instituto de Ciencias de la Tierra Jaume Almera **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Dr. A. Maldonado.
Funding entity or bodies:
CAICYT
Type of participation: Collaborator
Code according to the funding entity: 3678/79
Start-End date: 1979 - 1982 **Duration:** 3 years - 2 months
- 34** **Name of the project:** Lyfe cycle transformations among HAB species, and the environmental and physiological factors that regulate them (SEED)
Geographical area: European Union
Degree of contribution: Managing coordinator
Entity where project took place: Instituto de Ciencias del Mar **Type of entity:** State agency
Funding entity or bodies:
Union
Type of participation: Collaborator
Code according to the funding entity: GOCE CT-2005-003875
Start date: 2005 **Duration:** 3 years
- 35** **Name of the project:** Diseño de un sistema autónomo de fotografía submarina de aplicación en el campo de la biología y la geología.
Geographical area: National
Degree of contribution: Scientific coordinator
Entity where project took place: Instituto de Ciencias del Mar **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Alberto Palanques Monteys
Funding entity or bodies:
Comisión Interministerial de Ciencia y Tecnología **Type of entity:** Body, others
Type of participation: Coordinator
Start date: 1998 **Duration:** 1 year



- 36 Name of the project:** Analizador elemental CNS.
Geographical area: National
Degree of contribution: Scientific coordinator
Entity where project took place: Instituto de Ciencias del Mar **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Alberto Palanques Montteys
Funding entity or bodies: Comisión Interministerial de Ciencia y Tecnología **Type of entity:** Comision
City funding entity: Madrid, Community of Madrid, Spain
Type of participation: Coordinator
Start date: 1996
- 37 Name of the project:** Los cañones submarinos del Mediterráneo, un habitat poco conocido de alta biodiversidad: Recolección de medusas mediante trampas de sedimento en el Cañon de Palamós.
Geographical area: National
Degree of contribution: Scientific coordinator
Entity where project took place: Instituto de Ciencias del Mar **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Dr. Albert Palanques
Funding entity or bodies: Comisión Interministerial de Ciencia y Tecnología **Type of entity:** comisión
City funding entity: Madrid, Community of Madrid, Spain
Type of participation: Coordinator
Start date: 1996

R&D non-competitive contracts, agreements or projects with public or private entities

- 1 Name of the project:** Diseño, realización y soporte del programa de vigilancia de la contaminación por metales pesados en sedimentos marinos de Cataluña, según la directiva marco del agua
Degree of contribution: Scientific coordinator
Name principal investigator (PI, Co-PI....): Alberto Palanques Montteys
Participating entity/entities: Instituto de Ciencias del Mar
Funding entity or bodies: Agencia Catalana del Agua **Type of entity:** State agency
City funding entity: Barcelona, Catalonia, Spain
Start date: 2010 **Duration:** 2 years
- 2 Name of the project:** Evaluación del estado químico de las masas de agua costeras i de las bahias del delta del Ebro, mediante el control de metales pesados en sedimentos
Degree of contribution: Scientific coordinator
Name principal investigator (PI, Co-PI....): Alberto Palanques Montteys
Participating entity/entities: Instituto de Ciencias del Mar
Funding entity or bodies: Agencia Catalana del Agua **Type of entity:** State agency
City funding entity: Barcelona, Catalonia, Spain
Start date: 2009 **Duration:** 1 year



- 3** **Name of the project:** Evaluación del estado químico de las masas de agua costeras i de las bahias del delta del Ebro, mediante el control de metales pesados en sedimentos
Degree of contribution: Scientific coordinator
Participating entity/entities: Instituto de Ciencias del Mar
Funding entity or bodies:
Agencia Catalana del Agua **Type of entity:** State agency
City funding entity: Barcelona, Catalonia, Spain
Start date: 2008 **Duration:** 1 year
- 4** **Name of the project:** Control de metales pesados en los sedimentos del litoral catalán durante el año 2006.
Degree of contribution: Scientific coordinator
Name principal investigator (PI, Co-PI....): Alberto Palanques Monteys
Participating entity/entities: Instituto de Ciencias del Mar
Funding entity or bodies:
Agencia Catalana del Agua **Type of entity:** State agency
City funding entity: Barcelona, Catalonia, Spain
Start date: 2006 **Duration:** 1 year
- 5** **Name of the project:** Diagnóstico sobre la situación ambiental y sanitaria del entorno de la Ría de Huelva.
Degree of contribution: Scientific coordinator
Participating entity/entities: Instituto de Ciencias del Mar
Funding entity or bodies:
Junta de Andalucía **Type of entity:** Comunidad Autónoma
City funding entity: Sevilla, Andalusia, Spain
Start date: 2002 **Duration:** 2 years
- 6** **Name of the project:** Estimación del Impacto de las obras del Plan Director sobre los recursos pesqueros que explota la flota pesquera de la Cofradía de Barcelona.
Degree of contribution: Scientific coordinator
Participating entity/entities: Instituto de Ciencias del Mar
Funding entity or bodies:
Puerto de Barcelona
City funding entity: Catalonia, Spain
Start date: 2002 **Duration:** 2 years
- 7** **Name of the project:** Control de metales pesados en los sedimentos del litoral catalán
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Alberto Palanques Monteys
Participating entity/entities: Instituto de Ciencias del Mar
Funding entity or bodies:
Agencia Catalana del Agua **Type of entity:** State agency
City funding entity: Barcelona, Catalonia, Spain
Start date: 2000 **Duration:** 1 year
- 8** **Name of the project:** Estudio de la dinámica de los compuestos organoclorados persistentes en los sistemas acuáticos continentales ENTIDAD
Degree of contribution: Scientific coordinator
Name principal investigator (PI, Co-PI....): Joan Grimalt Obrador; Alberto Palanques Monteys
Participating entity/entities: Instituto de Ciencias del Mar

**Funding entity or bodies:**

CIRIT y Agencia Catalana del Agua del
Departamento de Medio Ambiente de la Generalitat
de Cataluña.

Type of entity: Comunidad autónoma

City funding entity: Barcelona, Catalonia, Spain

Start date: 2000

Duration: 3 years

9 Name of the project: Estudio de la velocidad del río Ebro y sus efectos sobre los sedimentos

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Jorge Guillén Aranda

Participating entity/entities: Instituto de Ciencias del Mar

Funding entity or bodies:

Departamento de Política Territorial y Obras Públicas de la Generalitat de Cataluña. **Type of entity:** Departamento comunidad autónoma

DURACION: 1998.

City funding entity: Barcelona, Catalonia, Spain

Start date: 1998

Duration: 1 year

10 Name of the project: Convenio geofísico y sedimentológico en el área de ampliación del puerto de Barcelona

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Belén Alonso Martínez

Participating entity/entities: Instituto de Ciencias del Mar

Funding entity or bodies:

Autoridad Portuaria de Barcelona

City funding entity: Barcelona, Catalonia, Spain

Start date: 1994

Duration: 1 year

11 Name of the project: Estudio de la distribución de fangos y contaminantes sedimentarios en el río Ebro

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Alberto Palanques Monteys

Participating entity/entities: Instituto de Ciencias del Mar

Funding entity or bodies:

Junta de Residuos de la Generalitat de Cataluña.

Type of entity: Comunidad autónoma

City funding entity: Barcelona, Catalonia, Spain

Start date: 1994

Duration: 2 years

12 Name of the project: Análisis y propuesta de soluciones para estabilizar el Delta del Ebro.

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Andrés Maldonado López

Participating entity/entities: Instituto de Ciencias del Mar

Funding entity or bodies:

Departamento de Política territorial y obras publicas de la Generalitat de Cataluña.

Type of entity: Comunidad autónoma

City funding entity: Barcelona, Catalonia, Spain

Dirección General de Ports i costes

Type of entity: Comunidad autónoma

City funding entity: Barcelona, Catalonia, Spain

Start date: 1990

Duration: 2 years



- 13** **Name of the project:** Análisis y propuesta de soluciones para estabilizar el Delta del Ebro.
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Andrés Maldonado
Participating entity/entities: INSTITUTO DE CIENCIAS DEL ESPACIO
Funding entity or bodies:
Dirección General de Ports i costes
Departamento de Política territorial y obras publicas de la Generalitat de Catalunya. **Type of entity:** Comunidad autónoma
City funding entity: Barcelona, Catalonia, Spain
Start date: 1988 **Duration:** 2 years
- 14** **Name of the project:** Programa integrado para el estudio del efecto del depósito submarino de lodos de la zona del río Besós sobre la zona costera de Barcelona.
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Dr. Parés.; Andrés Maldonado López
Participating entity/entities: Instituto de Ciencias del Mar
Funding entity or bodies:
Corporación Metropolitana de Barcelona. **Type of entity:** corporación
City funding entity: Catalonia, Spain
Start date: 1987 **Duration:** 2 years
- 15** **Name of the project:** Estudio del impacto ambiental del vertido de residuos industriales de la empresa Tioxide España S.A. en el Golfo de Cadiz.
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Dr. Andrés Maldonado Lopez
Participating entity/entities: Instituto de Ciencias de la Tierra Jaume Almera
Funding entity or bodies:
AMBIO S.A. **Type of entity:** Business
City funding entity: Catalonia, Spain
Start date: 1985 **Duration:** 1 year
- 16** **Name of the project:** Estudio del Umbral del Estrecho de Gigraltar
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Dr. Andrés Maldonado Lopez
Participating entity/entities: Instituto de Ciencias de la Tierra Jaume Almera
Funding entity or bodies:
SECEG. S.A.
Start date: 1984 **Duration:** 2 years

Results

Technological results derived from specialized and transfer activities, not included in previous sections

- 1** **Description:** Informe: Avaluació de l'estat químic de les masses d'aigua costaneres i de les Badies del Delta de l'Ebre mitjançant el control de metalls pesants en sediments 2010 . 2 vol. 69 y 73 pp.
Name of the principal Investigator (PI): Alberto Palanques Monteys
Degree of contribution: Scientific coordinator
Collaborating entity or bodies:
Instituto de Ciencias del Mar **Type of entity:** State agency
City collaborating entity: Barcelona, Catalonia, Spain
Start date: 2010
- 2** **Description:** Informe: Avaluació de l'estat químic de les masses d'aigua costaneres i de les Badies del Delta de l'Ebre mitjançant el control de metalls pesants en sediments 2009 . 2 vol. 69 y 73 pp.
Name of the principal Investigator (PI): Alberto Palanques Monteys
Degree of contribution: Scientific coordinator
Collaborating entity or bodies:
Instituto de Ciencias del Mar **Type of entity:** State agency
City collaborating entity: Barcelona, Catalonia, Spain
Start date: 2009
- 3** **Description:** Informe: Avaluació de l'estat químic de les masses d'aigua costaneres i de les Badies del Delta de l'Ebre mitjançant el control de metalls pesants en sediments. 2008. 2 vol. 69 y 73 pp.
Name of the principal Investigator (PI): Alberto Palanques Monteys
Degree of contribution: Scientific coordinator
Collaborating entity or bodies:
Instituto de Ciencias del Mar **Type of entity:** State agency
City collaborating entity: Barcelona, Catalonia, Spain
Start date: 2008
- 4** **Description:** Informe Avaluació de l'estat químic de les masses d'aigua costaneres i de les Badies del Delta de l'Ebre mitjançant el control de metalls pesants en sediments. 2007. 2 vol. 78 y 82 pp.
Name of the principal Investigator (PI): Alberto Palanques Monteys
Degree of contribution: Scientific coordinator
Collaborating entity or bodies:
Instituto de Ciencias del Mar **Type of entity:** State agency
City collaborating entity: Barcelona, Catalonia, Spain
Start date: 2007
- 5** **Description:** Informe de los parámetros hidrodinámicos de las series temporales registrados con los tripodes instrumentados y de la sonda ctd en Flix y en el Estuario del Ebro. Vol I y II 16 pp y 17pp
Name of the principal Investigator (PI): Alberto Palanques Monteys
Degree of contribution: Scientific coordinator
Collaborating entity or bodies:
Instituto de Ciencias del Mar **Type of entity:** State agency



City collaborating entity: Barcelona, Catalonia, Spain

Start date: 2007

6 Description: Control dels metalls pesants als sediments del litoral de Catalunya durant l'any 2006. volums I y II 72 pp i 76 pp

Name of the principal Investigator (PI): Alberto Palanques Monteys

Degree of contribution: Scientific coordinator

Collaborating entity or bodies:

Instituto de Ciencias del Mar

Type of entity: State agency

City collaborating entity: Barcelona, Catalonia, Spain

Start date: 2006

7 Description: Informe: Estimación del impacto de las obras del Plan Director sobre los recursos pesqueros que explota la flota de la cofradía de Barcelona. 180 pp

Name of the principal Investigator (PI): Montse demestre

Name of the Co-principal investigator (Co-PI): Alberto Palanques Monteys

Degree of contribution: Researcher

Collaborating entity or bodies:

Instituto de Ciencias del Mar

Type of entity: State agency

City collaborating entity: Barcelona, Catalonia, Spain

Start date: 2004

8 Description: Estudio de la dinámica de los compuestos organoclorados persistentes y metales pesados asociados en los sistemas acuáticos continentales. 254 pp

Name of the principal Investigator (PI): Joan Grimalt obrador

Name of the Co-principal investigator (Co-PI): Alberto Palanques Monteys

Degree of contribution: Scientific coordinator

Collaborating entity or bodies:

Instituto de Ciencias del Mar

Type of entity: State agency

City collaborating entity: Barcelona, Catalonia, Spain

Start date: 2003

9 Description: Informe: Prospectiva del impacto en la Ria de Huelva de la rotura de la balsa de fosfoyesos. 52 pp

Name of the principal Investigator (PI): Alberto Palanques

Degree of contribution: Scientific coordinator

Collaborating entity or bodies:

Instituto de Ciencias del Mar

Type of entity: State agency

City collaborating entity: Barcelona, Catalonia, Spain

Start date: 2002

10 Description: Informe sobre el conocimiento actual de la problemática de los metales pesados en los sedimentos marinos de la costa catalana. 30 pp

Name of the principal Investigator (PI): Alberto Palanques Monteys

Degree of contribution: Scientific coordinator

Collaborating entity or bodies:

Instituto de Ciencias del Mar

Type of entity: State agency

City collaborating entity: Barcelona, Catalonia, Spain

Start date: 2000



- 11** **Description:** Informe: Los metales pesados en los sedimentos del litoral catalán. 180 pp.
Name of the principal Investigator (PI): Alberto Palanques Monteys
Degree of contribution: Scientific coordinator
Collaborating entity or bodies:
Instituto de Ciencias del Mar **Type of entity:** State agency
City collaborating entity: Barcelona, Catalonia, Spain
Start date: 2000
- 12** **Description:** Estudio geofísico y sedimentológico en el área de ampliación del puerto de Barcelona. 84 pp
Name of the principal Investigator (PI): Belén Alonso Martínez
Name of the Co-principal investigator (Co-PI): Alberto Palanques Monteys
Degree of contribution: Researcher
Collaborating entity or bodies:
Instituto de Ciencias del Mar **Type of entity:** State agency
City collaborating entity: Barcelona, Catalonia, Spain
Start date: 1994
- 13** **Description:** Estudio geoquímico en el área de ampliación del puerto de Barcelona. 74 pp
Name of the principal Investigator (PI): Belén Alonso Martínez
Name of the Co-principal investigator (Co-PI): Alberto Palanques Monteys
Degree of contribution: Researcher
Collaborating entity or bodies:
Instituto de Ciencias del Mar **Type of entity:** State agency
City collaborating entity: Barcelona, Catalonia, Spain
Start date: 1994
- 14** **Description:** Informe: Estudio Geoquímico y sedimentológico de los fangos y contaminantes sedimentados en el Río Ebro en la zona de Flix. 57 pp
Name of the principal Investigator (PI): Alberto Palanques Monteys
Degree of contribution: Scientific coordinator
Collaborating entity or bodies:
Instituto de Ciencias del Mar **Type of entity:** State agency
City collaborating entity: Barcelona, Catalonia, Spain
Start date: 1994
- 15** **Description:** Informe: Estudio sísmico de los fangos y contaminantes sedimentados en el río Ebro en la zona de Flix. 63 pp
Name of the principal Investigator (PI): Alberto Palanques Monteys
Degree of contribution: Scientific coordinator
Collaborating entity or bodies:
Instituto de Ciencias del Mar **Type of entity:** State agency
City collaborating entity: Barcelona, Catalonia, Spain
Start date: 1994
- 16** **Description:** Informe Geofísico sobre el efecto del depósito submarino de lodos en la zona del río Besós sobre la zona costera de Barcelona. 3 tomos
Name of the principal Investigator (PI): Andrés Maldonado López
Name of the Co-principal investigator (Co-PI): Alberto Palanques Monteys



Degree of contribution: Researcher

Collaborating entity or bodies:

Instituto de Ciencias del Mar

Type of entity: State agency

City collaborating entity: Barcelona, Catalonia, Spain

Start date: 1987

- 17 Description:** Informe sedimentológico sobre el efecto del depósito submarino de lodos en la zona del río Besós sobre la zona costera de Barcelona. 2 tomos.

Name of the principal Investigator (PI): Andrés Maldonado López

Name of the Co-principal investigator (Co-PI): Alberto Palanques Monteys

Degree of contribution: Researcher

Collaborating entity or bodies:

Instituto de Ciencias del Mar

Type of entity: State agency

City collaborating entity: Barcelona, Catalonia, Spain

Start date: 1987

- 18 Description:** Informe sedimentológico sobre el efecto del depósito submarino de lodos en la zona del río Besós sobre la zona costera de Barcelona. Contaminación por metales pesados.

Name of the principal Investigator (PI): Andrés Maldonado López

Name of the Co-principal investigator (Co-PI): Alberto Palanques Monteys

Degree of contribution: Researcher

Collaborating entity or bodies:

Instituto de Ciencias de la Tierra Jaume Almera

Type of entity: State agency

City collaborating entity: Barcelona, Catalonia, Spain

Start date: 1987

- 19 Description:** Informe: análisis sedimentológico y de metales pesados en el Golfo de Cádiz y zona de vertidos. "Análisis de la materia particulada en suspensión" 65 pp. 1985

Name of the principal Investigator (PI): Andrés Maldonado López

Name of the Co-principal investigator (Co-PI): Alberto Palanques MOnteys

Degree of contribution: Researcher

Collaborating entity or bodies:

Instituto de Ciencias de la Tierra Jaume Almera

Type of entity: State agency

City collaborating entity: Barcelona, Catalonia, Spain

Start date: 1984

- 20 Description:** Informe sobre los resultados del estudio realizado en la zona del Estrecho de Gibraltar

Name of the principal Investigator (PI): Andrés Maldonado López

Name of the Co-principal investigator (Co-PI): Alberto Palanques Monteys

Degree of contribution: Researcher

Collaborating entity or bodies:

Instituto de Ciencias de la Tierra Jaume Almera

Type of entity: State agency

City collaborating entity: Barcelona, Catalonia, Spain

Start date: 1984



Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1** G. Simarro; J. Guillén; P. Puig; C. Lo Iacono; A. Palanques; A. Muñoz; R. Durán. Sediment dynamics over sand ridges on a tideless mid-outer continental shelf. *Marine Geology*. 361, pp. 25 - 40. 2015.
Type of production: Article **Format:** Journal
- 2** Jacobo Martín de Nascimento; Pere Puig Alenyà; Pere Masqué Barri; Albert Palanques Monteys; Anabel Sánchez-Gómez. Impact of Bottom Trawling on Deep-Sea Sediment Properties along the Flanks of a Submarine Canyon. *PLOS ONE*. 9 - 8, pp. e104536. 11/08/2014.
Type of production: Article **Format:** Journal
- 3** A. Pusceddu; S. Bianchelli; J. Martín; P. Puig; A. Palanques; P. Masqué; R. Danovaro. Chronic and intensive bottom trawling impairs deep-sea biodiversity and ecosystem functioning. *Proceedings of the National Academy of Sciences of the United States of America*, 111-24, 41807: 8861-8866, 2014.111-24 - 41807, pp. 8861 - 8866. 2014.
Type of production: Article **Format:** Journal
- 4** Pere Puig; Albert Palanques; Jacobo Martín. Contemporary sediment-transport processes in submarine canyons. *Annual Review of Marine Science*. 6, pp. 53 - 77. 2014.
Type of production: Article **Format:** Journal
- 5** Albert Palanques; Pere Puig; Jorge Guillén; Montserrat Demestre; Jacobo Martín. Effects of bottom trawling on the Ebro continental shelf sedimentary system (NW Mediterranean). *Continental Shelf Research*. 72, pp. 83 - 98. 2014.
Type of production: Article **Format:** Journal
- 6** Albert Palanques; Joan Grimalt; Marc Belzunces; Ferran Estrada; Pere Puig; Jorge Guillén. Massive accumulation of highly polluted sedimentary deposits by river damming. *Science of the Total Environment*, 497-498: 369-381, 2014. 497-498, pp. 369 - 381. 2014.
Type of production: Article **Format:** Journal
- 7** Albert Palanques. On the centenary of the Spanish Institute of Oceanography. *Scientia Marina*. 78 - 2, pp. 153. 2014.
Type of production: Article **Format:** Journal
- 8** Jacobo Martín, Pere Puig, Albert Palanques, Marta Ribó. Trawling-induced daily sediment resuspension in the flank of a Mediterranean submarine canyon. *Deep-Sea Research Part II: Topical Studies in Oceanography*. 104, pp. 174 - 183. 2014.
Type of production: Article **Format:** Journal
- 9** A. Cobelo-García, A.; A. Tobar Sánchez; A. Palanques Monteys. Foreword. *Scientia Marina*. 77 - Suppl. 1, pp. 9. 2013.
Type of production: Article **Format:** Journal

- 10** Durrieu de Madron X.; L. Houpert; P. Puig; A. Sanchez-Vidal; P. Testor; A. Bosse; C. Estournel; S. Somot; F. Bourrin; M. N. Bouin; M. Beauverger; L. Beguery; A. Calafat; M. Canals; C. Cassou; L. Coppola; D. Dausse; F. D'Ortenzio; J. Font; S. Heussner; S. Kunesch; D. Lefevre; H. Le Goff; J. Martín; L. Mortier; A. Palanques; P. Raimbault. Interaction of dense shelf water cascading and open-sea convection in the northwestern Mediterranean during winter 2012. *Geophysical Research Letters*. American Geophysical Union. 40, pp. 1379 - 1385. 2013.
Type of production: Article **Format:** Journal
- 11** R. Siscar; A. Torreblanca; A. Palanques; M. Solé. Metal concentrations and detoxification mechanisms in Solea solea and Solea senegalensis from NW Mediterranean fishing grounds. *Marine Pollution Bulletin*. 77, pp. 90 - 99. 2013.
Type of production: Article **Format:** Journal
- 12** Ribó M.; P. Puig; J. Salat; A. Palanques. Nepheloid layer distribution in the Gulf of Valencia, northwestern Mediterranean. *Journal of Marine Systems*. 111-112, pp. 130 - 138. 2013.
Type of production: Article **Format:** Journal
- 13** Elisabet Sane; Jacobo Martín de Nascimento; Pere Puig Alenyà; Albert Palanques Monteys. Organic biomarkers in deep-sea regions affected by bottom trawling: pigments, fatty acids, amino acids and carbohydrates in surface sediments from the La Fonera (Palamos) Canyon, NW Mediterranean Sea. *Biogeosciences*. 10 - 12, pp. 8093 - 8108. 2013.
Type of production: Article **Format:** Journal
- 14** José C. Xavier; Andrés Barbosa; Susana Agustí; Laura Alonso-Sáez; Pedro Alvito; Julia Ameneiro; Conxita Ávila; Alexandra Baeta; João Canário; Raquel Carmona; Paulo Catry m; Filipe Ceia; Melody S. Clark; Francisco J. Cristobo; Bruno Cruz; Carlos M. Duarte; Blanca Figuerola; Josep-Maria Gili; Ana R. Gonçalves; Francisco J.L. Gordillo; José P. Granadeiro; Miguel Guerreiro; Enrique Isla; Carlos Jiménez; Pablo J. López-González; Sílvia Lourenço; João C. Marques; Elena Moreira; Ana M. Mota; Marta Nogueira; Laura Núñez-Pons; Covadonga Orejas; Vitor H. Paiva; Albert Palanques; Gareth A. Pearson; Carlos Pedrós-Alió; Álvaro L. Peña Cantero; Deborah M. Power; Jaime A. Ramos; Sergi Rossi; José Seco; Elisabet Sañé; Ester A. Serrão; Sergi Taboada; Sílvia Tavares; Núria Teixidó; Dolors Vaqué; Tiago Valente; Elsa Vázquez; Rui P. Vieira; Benjamin Viñegla. Polar marine biology science in Portugal and Spain: Recent advances and future perspectives. *Journal of Sea Research*. 83, pp. 9 - 29. 2013.
Type of production: Article **Format:** Journal
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- 1** **Title of the work:** Benthic storms in the north-western Mediterranean continental rise caused by deep dense water formation
Name of the conference: 2nd Deep-Water Circulation Congress
City of event: Ghent, Belgium
Date of event: 2014
Puig, P; Palanques, A; Martín, J; Ribó, M; Guillén, J.
- 2** **Title of the work:** Dinamica sedimentaria de cañones submarinos de la Peninsula Iberica: forzamientos naturales y antropogénicos.
Name of the conference: XIX Congreso Geológico Argentino
City of event: Córdoba, Argentina
Date of event: 2014
Martín, J; Puig, P; Palanques, A.
- 3** **Title of the work:** Impact of bottom trawling on deep-sea sediment properties in the Catalan margin (northwestern Mediterranean)
Name of the conference: 2nd International Ocean Research Conference
City of event: Barcelona, Spain



Date of event: 2014

Puig, P; Martín, J; Masqué, P; Pusceddu, A; Bianchelli, S; Sánchez-Gómez, A; Palanques, A; Danovaro, R.

- 4** **Title of the work:** Large-scale fine-grained sediment waves over the Gulf of Valencia continental slope (northwestern Mediterranean Sea)
Name of the conference: AGU Fall meeting
City of event: San Francisco, United States of America
Date of event: 2014
Ribó, M; Puig, P; Muñoz, A; Lo Iacono, C; Van Rooij, D; Palanques, A; Acosta, J; Guillén, J; Gómez Ballesteros, M.
- 5** **Title of the work:** Rapid Changes on Sediment Accumulation Rates within Submarine Canyons Caused By Bottom Trawling Activities
Name of the conference: AGU Fall meeting
City of event: San Francisco, United States of America
Date of event: 2014
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City of event: Edinburgh, United Kingdom
Date of event: 2014
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Name of the conference: EGU General Assembly 2013
City of event: Viena, Austria
Date of event: 2013
J. Martín, Puig, P., Canals, M., Company, J.B., Amblas, D., Lastras, G., Palanques, A., Calafat, A.M.
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Name of the conference: EGU General Assembly 2013
City of event: Viena, Austria
Date of event: 2013
X. Durrieu de Madron; L. Houpert; P. Puig; A. Sánchez-Vidal; P. Testor; A. Bosse; C. Estornel; S. Somot; F. Bourrin; M.N. Bouin; A. Calafat; M. Canals; L. Coppola; F. D'Ortencio; J. Font; S. Heussner; J. Martín; L. Mortier; A. Palanques; P. Raimbault.
- 9** **Title of the work:** Sediment resuspension events in the northwestern Mediterranean continental rise during deep dense water formation: implications for sediment waves development
Name of the conference: Dialogue between Contourite and Oceanography processes International Workshop
City of event: University of Hull, United Kingdom
Date of event: 2013
P. Puig, A. Palanques, J. Martín, M. Ribó, J. Guillén, J. Font.
- 10** **Title of the work:** Sediment transport along the Cap de Creus Canyon flank during a mild, wet winter
Name of the conference: EGU General Assembly 2013
City of event: Viena, Austria
Date of event: 2013



J. Martín, Durrieu de Madron, X., Puig, P., Bourrin, F., Palanques, A., Houpert, L., Higuera, M., S.

- 11 Title of the work:** Benthic storms in the northwestern Mediterranean continental rise.
Name of the conference: The Deep Sea and Sub-Seafloor Frontiers Conference
City of event: Sitges, Spain
Date of event: 2012
P. Puig, A. Palanques, J. Martín, M. Ribó, J. Font.
- 12 Title of the work:** Benthic storms in the northwestern Mediterranean continental rise.
Name of the conference: The Deep Sea and Sub-Seafloor Frontiers Conference
City of event: Sitges, Spain
Date of event: 2012
P. Puig, A. Palanques, J. Martín, M. Ribó, J. Font.
- 13 Title of the work:** Deep trawling impacts on benthic biodiversity in the La Fonera (Palamós) submarine canyon (Catalan Margin).
Name of the conference: HERMIONE Annual Meeting 2012.
City of event: Faro, Portugal
Date of event: 2012
Pusceddu, A., Bianchelli, S., Danovaro, R., Puig, P., Martín, J., Palanques, A.
- 14 Title of the work:** Deep trawling impacts on benthic biodiversity in the La Fonera (Palamós) submarine canyon (Catalan Margin).
Name of the conference: XXII National Congress of the Italian Society of Ecology (Congresso Nazionale della Società Italiana di Ecologia)
City of event: Alessandria, Italy
Date of event: 2012
Bianchelli, S., Pusceddu, A., Danovaro, R., Puig, P., Martín, J., Palanques, A.
- 15 Title of the work:** Impact of bottom trawling on deep-sea surface sediments along the flanks of a mediterranean submarine canyon.
Name of the conference: HERMIONE Annual Meeting 2012.
City of event: Faro, Portugal
Date of event: 2012
J. Martín, P. Puig, P. Masqué, J. M. Bruach, A. Sánchez-Gómez, A. Palanques, A. Catala, E. Sañé, M.
- 16 Title of the work:** Impact of bottom trawling on sediment resuspension and transport in the Palamós (Fonera) submarine canyon.
Name of the conference: International Canyons Workshop.
City of event: Brest, France
Date of event: 2012
J. Martín, P. Puig, A. Palanques, M. Ribó.
- 17 Title of the work:** Multi-step sediment transport in the Cap de Creus Submarine Canyon and adjacent open slope (Northwestern Mediterranean).
Name of the conference: VIII Congreso Geológico de España.
City of event: Oviedo, Spain
Date of event: 2012
A. Palanques, P. Puig, X. Durrieu de Madron, A. Sanchez-Vidal, C. Pasqual, J. Martín, A. Calafat, S.



- 18** **Title of the work:** Organic biomarkers in deep-sea sediments affected by commercial trawling: Pigments, fatty acids, amino acids and carbohydrates in sediments from the La Fonera (Palamós) Canyon, NW Mediterranean Sea.
Name of the conference: HERMIONE annual meeting 2012.
City of event: Faro, Portugal
Date of event: 2012
E. Sañé, J. Martín, P. Puig, A. Palanques, S. Bianchelli, A. Pusceddu, R. Danovaro.
- 19** **Title of the work:** Ploughing the deep-sea floor.
Name of the conference: HERMIONE annual meeting 2012.
City of event: Faro, Portugal
Date of event: 2012
M. Canals, P. Puig, J.B. Company, J. Martín, D. Amblàs, L. Galderic, A. Palanques, A.M. Calafat.
- 20** **Title of the work:** Sediment resuspension events in the northwestern Mediterranean continental rise.
Name of the conference: HERMIONE Annual Meeting 2012
City of event: Faro, Portugal
Date of event: 2012
P. Puig, A. Palanques, J. Martín, M. Ribó, J. Font.
- 21** **Title of the work:** Sediment resuspension events in the northwestern Mediterranean continental rise.
Name of the conference: VIII Congreso Geológico de España.
City of event: Oviedo, Spain
Date of event: 2012
P. Puig, A. Palanques, J. Martín, M. Ribó, J. Font.
- 22** **Title of the work:** Sediment transport and accumulation on the Gulf of Valencia margin.
Name of the conference: The Deep Sea and Sub-Seafloor Frontiers Conference
City of event: Sitges, Spain
Date of event: 2012
M. Ribó, P. Puig, A. Palanques, C. Lo Iacono, J. Guillén, M. Gómez-Ballesteros, J. Acosta.
- 23** **Title of the work:** Sediment transport through Cap de Creus Canyon during the CASCADE cruise in March 2011.
Name of the conference: HERMIONE annual meeting 2012.
City of event: Faro, Portugal
Date of event: 2012
J. Martín; X. Durrieu de Madron; P. Puig; F. Bourrin; L. Houpert; M. Higuera; A. Sánchez-Vidal; A. Palanques; A. Calafat; M. Canals; S. Heussner.
- 24** **Title of the work:** Suspended Sediment transport in the Cap de Creus Submarine Canyon by cascading and storms.
Name of the conference: International Canyons Workshop.
City of event: Brest, France
Date of event: 2012
A. Palanques, P. Puig, X. Durrieu de Madron, A. Sanchez-Vidal, C. Pasqual, J. Martín, A. Calafat, S.
- 25** **Title of the work:** Transporte de sedimento y distribución de capas nefeloides en el margen continental del Golfo de Valencia.
Name of the conference: VIII Congreso Geológico de España.
City of event: Oviedo, Spain



Date of event: 2012

M. Ribó, P. Puig, J. Salat, A. Palanques.

- 26** **Title of the work:** Trawling-induced daily sediment resuspension in the flanks of the Palamós Canyon.
Name of the conference: VIII Congreso Geológico de España
City of event: Oviedo, Spain
Date of event: 2012
J. Martín, P. Puig, A. Palanques, M. Ribó.
- 27** **Title of the work:** Trawling-induced sediment resuspension in a submarine canyon flank.
Name of the conference: 34th International Geological Congress
City of event: Brisbane, Australia
Date of event: 2012
P. Puig, J. Martín, A. Palanques, M. Ribó.
- 28** **Title of the work:** Canyon and open slope as sources of suspended sediment transport in the margin and basin of the western Gulf of Lions.
Name of the conference: American Geophysical Union Chapman Conference.
City of event: Oxnard, United States of America
Date of event: 2011
Palanques, A., Puig, P., Durrieu de Madron, X., Sanchez-Vidal, A. Pascual, C.; Martín, J., Calafat,.
- 29** **Title of the work:** Contemporary Off-shelf Sediment Transport on the Ebro Margin (COSTEM).
Name of the conference: American Geophysical Union Chapman Conference.
City of event: Oxnard, United States of America
Date of event: 2011
Puig, P., Ribó, M., Palanques, A., Gullén, J., Lo Iacono, C., Gómez-Ballesteros, M., Acosta, J.
- 30** **Title of the work:** Disturbance of the deep seafloor by commercial trawling in the Palamós submarine canyon Región.
Name of the conference: HERMIONE Annual Meeting 2011,
City of event: Málaga, Spain
Date of event: 2011
Martin, J., P.Puig, J.B. Company, A. Palanques, M. Ribó.
- 31** **Title of the work:** Eventos de resuspensión y transporte transversal de sedimento en la plataforma interna de Barcelona.
Name of the conference: VI Jornadas de Geomorfología Litoral.
City of event: Tarragona, Spain
Date of event: 2011
López, L. Guillén, J.; Palanques, A.; Puig, P.
- 32** **Title of the work:** Los campos de dunas de la plataforma continental externa del Ebro: una discusión sobre la potencial explotación de las arenas "relictas". ORAL
Name of the conference: XI Jornadas Españolas de Puertos y Costas.
City of event: Las Palmas de Gran Canarias, Spain
Date of event: 2011
Guillén, J., Lo Iacono, C., Puig, P., Ribó, M., Ballesteros, M., Palanques, A., Farrán, M.; Acosta.



- 33** **Title of the work:** M. Disturbance of the deep seafloor by commercial trawling in the Palamós submarine canyon region.
Name of the conference: 2nd World Conference on Marine Biodiversity.
City of event: Aberdeen, United Kingdom
Date of event: 2011
Martín, J., Puig, P., Palanques, A., Ribó.
- 34** **Title of the work:** Monitoring sediment dynamics at the boundary between the coastal zone and the continental shelf.
Name of the conference: Mat. Aplic. IV Dept., Univ. Politec. de Catalunya
City of event: Vilanova i la Geltrú, Spain
Date of event: 2011
J. Antonijuan, J. Guillen, M. Nogueras, A. Manuel, A. Palanques, P. Puig.
- 35** **Title of the work:** The significance of Dense Shelf Water Cascading in the Mediterranean Sea and future projections at the light of climate change scenarios. Unión Europea.
Name of the conference: 13th Plinius Conference on Mediterranean Storms.
City of event: Savona, Italy
Date of event: 2011
M. Canals; S. Somot; A. Sánchez-Vidal; M. Herrmann; A. Calafat; J.B. Company; X. Durrieu de Madron; S. Heussner; I. Losada; R. Medina; A. Palanques; P. Puig; F. Sarda.
- 36** **Title of the work:** Transfer of organic pollutants and lipid biomarkers through submarine canyons, the role of dense shelf water cascading.
Name of the conference: HERMIONE Annual Meeting 2011,
City of event: Málaga, Spain
Date of event: 2011
Salvado, J., Lopez, J.F., Grimalt, J.O., Palanques, A., Heussner, S., Canals, M.
- 37** **Title of the work:** A. Anthropogenic effects of deep-sea trawling on sediment transport and accumulation processes within submarine canyons.
Name of the conference: HERMIONE 2010 Annual Meeting.
City of event: Attard, Malta
Date of event: 2010
Puig, P., Martín, J., Palanques,.
- 38** **Title of the work:** Deep canyon and slope suspended sediment transport in the Western Gulf of Lions during the 2006 intense cascading period.
Name of the conference: 39th CIESM Congress.
City of event: Venice, Italy
Date of event: 2010
City organizing entity: Italy
Palanques, A., Puig, P., Durrieu de Madron, X., Sanchez-Vidal, A., Calafat, A., Pascual, C., Heussne.
- 39** **Title of the work:** Dense shelf water cascades in the Cap de Creus and Palamós submarine canyons (NW Mediterranean).
Name of the conference: HERMIONE 2010 Annual Meeting.
City of event: Attard, Malta
Date of event: 2010
Ribó, M., Puig, P., Palanques, A., Lo Iacono, C.



- 40** **Title of the work:** Dense shelf water cascades in the Cap de Creus and Palamós submarine canyons (NW Mediterranean).
Name of the conference: HERMIONE student training course.
City of event: Southampton, United Kingdom
Date of event: 2010
Ribó, M., Puig, P., Palanques, A., Lo Iacono, C.
- 41** **Title of the work:** Dense shelf water cascades in the Palamós Canyon. Comparison with the Cap de Creus Canyon.
Name of the conference: 39th CIESM Congress.
City of event: Venice, Italy
Date of event: 2010
Ribó, M., Puig, P., Palanques, A., Lo Iacono, C.
- 42** **Title of the work:** Dense shelf water cascades in two northwestern Mediterranean submarine canyon heads during winters 2007 and 2008.
Name of the conference: EGU General Assembly 2010.
City of event: Viena, Austria
Date of event: 2010
Ribó, M., Puig, P., Palanques, A., Lo Iacono, C.
- 43** **Title of the work:** Formation of a basin-wide bottom nepheloid layer in the western Mediterranean after the winter 2005 dense shelf water cascading event.
Name of the conference: Deep water circulation: processes and products.
City of event: Baiona, Spain
Date of event: 2010
P. Puig, X. Durrieu de Madron, K. Schroedor, J. Salat, J.L. López-Jurado, G. Gasparini, A. Palanques.
- 44** **Title of the work:** Formation of a basin-wide bottom nepheloid layer in the western Mediterranean after the winter 2005 dense shelf water cascading event.
Name of the conference: Deep-water Circulation: Processes & Products.
City of event: Baiona, Spain
Date of event: 2010
Puig, P., Durrieu de Madron, X., Schroeder, K., Salat, J., López-Jurado, J., Gasparini, Palanques, A.
- 45** **Title of the work:** Formation of basin-wide bottom nepheloid layers in the western Mediterranean after major dense shelf water cascading events.
Name of the conference: GEOTRACES Mediterranean Planning Workshop.
City of event: Nice, France
Date of event: 2010
J. Martín, P. Puig, X. Dur, Madron, K. Schroeder, J. Salat, J. López-Jurado, Gasparini, A. Palanques.
- 46** **Title of the work:** Formation of thick bottom nepheloid layers in the western Mediterranean basin after major dense shelf water cascading events.
Name of the conference: EGU General Assembly 2010.
City of event: Viena, Austria
Date of event: 2010
Puig, P., Durrieu Madron, X., Schroeder, K., Salat, J., López-Jurado, J.L., Gasparini, G., Palanques.



- 47** **Title of the work:** Large dune formation along the Ebro outer continental shelf (Western Mediterranean).
Name of the conference: EGU General Assembly 2010.
City of event: Viena, Austria
Date of event: 2010
Lo Iacono, C., Guillén, J., Puig, P., Ribó, M., Ballesteros, M., Palanques, A., Farrán, M., Acosta,.
- 48** **Title of the work:** Off-Shelf Export of Particulate Organic Matter and Sediment Driven by Shelf Dense Water Cascading.
Name of the conference: Eos Transactions AGU 91(26), Ocean Sciences Meeting Supplement. Abstract: IT15I-06.
City of event: Portland, United States of America
Date of event: 2010
Tesi, T., Puig, P., Palanques, P., Goñi, M.A., Miserocchi, M., Langone, L. 2010.
- 49** **Title of the work:** Resuspension events and sediment fluxes across Barcelona continental shelf.
Name of the conference: 39th CIESM Congress.
City of event: Venice, Italy
Date of event: 2010
López, L., Guillén, J., Palanques, A., Puig, P.
- 50** **Title of the work:** Submarine canyon and slope suspended sediment transport in the Western Gulf of Lions during an intense cascading period.
Name of the conference: EGU General Assembly 2010.
City of event: Viena, Austria
Date of event: 2010
Palanques, A., Puig, P., Durrieu De Madron, X., Sanchez-Vidal, A., Calafat, A., Pascual, C., Heussne.
- 51** **Title of the work:** Thick bottom nepheloid layers in the Western Mediterranean basin generated by dense shelf water cascading.
Name of the conference: 39th CIESM Congress.
City of event: Venice, Italy
Date of event: 2010
P. Puig, X. Durrieu Madron, K. Schroeder, J. Salat, J.L. López-Jurado, G. Gasparini, A. Palanques.
- 52** **Title of the work:** Very Large subaqueous dunes along an outer continental shelf (Southern Ebro continental shelf, Western Mediterranean Sea).
Name of the conference: 39th CIESM Congress.
City of event: Venice, Italy
Date of event: 2010
Lo Iacono, C., Guillén, J., Puig, P., Palanques, A., Ribó, M., Farrán, M., Ballesteros, M., Acosta,.
- 53** **Title of the work:** Deep canyon and slope suspended sediment transport in the western Gulf of Lions during the 2006 intense cascading period.
Name of the conference: HERMES final meeting Abstract 14
City of event: Faro, Portugal
Date of event: 2009
A. Palanques, P. Puig, X. Durrieu de Madron, A.M. Calafat, M. Canals, S. Heussner, A. Sanchez-Vidal.
- 54** **Title of the work:** Effects of storm events on the shelf-to-basin sediment transport in the southwestern end of the Gulf of Lions (Northwestern Mediterranean).
Name of the conference: 11th Plinius Conference on Mediterranean Storms.



City of event: Barcelona, Spain

Date of event: 2009

Palanques, A., Puig, P., Guillén, J., Durrieu de Madron, X., Latasa, M., Scharek.

- 55** **Title of the work:** Interactions between open-sea convection and shelf cascading dense waters in the formation of the Western Mediterranean Deep Water.
Name of the conference: Internacional. CIESM Workshop on Dynamics of Mediterranean Deep Waters.
City of event: St. Paul's Bay, Malta
Date of event: 2009
P.Puig; A.Palanques; J.Font; J.Salat; M.Latasa; R.Scharek.
- 56** **Title of the work:** Multi-proxy study of particulate fluxes embracing the 2006 dense shelf water cascading event in the Gulf of Lions.
Name of the conference: HERMES final meeting
City of event: Faro, Portugal
Date of event: 2009
C. Pascual; A. Sanchez-Vidal; A. Calafat; M. Canals; C. Lee; S. Heussner; X. Durrieu de Madron; P. Puig; A. Palanques.
- 57** **Title of the work:** Sediment and organic carbon transport in Cap de Creus Canyon, Gulf of Lions (France).
Name of the conference: EGU General Assembly 2009.
City of event: Viena, Austria
Date of event: 2009
Tesi, T., Puig, P., Palanques, A., Goñi, M.A., Miserocchi, M., Langone, L.
- 58** **Title of the work:** Annual downward particulate fluxes embracing the recentmost Dense Shelf Water Cascading event in the Gulf of Lions.
Name of the conference: HERMES 2008 Annual Meeting.
City of event: Faro, Portugal
Date of event: 2008
C. Pascual; S. Heussner; A. Calafat; M. Canals; A. Sanchez Vidal; X. Durrieu de Madron; N. Desault; G. Saragoni; J. Carbonne; P. Puig; A. Palanques.
- 59** **Title of the work:** Contemporary sedimentation processes in the Gulf of Lions submarine canyons: the role of dense shelf water cascading.
Name of the conference: AGU Fall Meeting
City of event: San Francisco, United States of America
Date of event: 2008
Puig, P., Palanques, A., Canals, M., Durrieu de Madron, X., Calafat, A., Heussner, S.
- 60** **Title of the work:** Deep Canyon and Slope Suspended Sediment Transport in the Western Gulf of Lion During the 2006 Intense Cascading Period.
Name of the conference: AGU Fall Meeting 2008
City of event: San Francisco, United States of America
Date of event: 2008
Palanques, A., Puig, P., Durrieu de Madron, X., Calafat, A., Canals, M. Heussner, S.
- 61** **Title of the work:** Deep slope suspended sediment transport in the western Gulf of Lions due to the 2006 intense cascading period.
Name of the conference: HERMES 2008 Annual Meeting.
City of event: Faro, Portugal
Date of event: 2008



Palanques, A., Puig, P., Durrieu de Madron, X., Guillén, J., Calafat, A. Canals, M., Heussner, S.

- 62** **Title of the work:** Dense shelf water cascading (DSWC) as a driver of Mediterranean deep-water sedimentation.
Name of the conference: HERMES 2008 Annual Meeting.
City of event: Faro, Portugal
Date of event: 2008
Canals, M., Puig, P., Palanques, A., Durrieu de Madron X., Heussner, S., Calafat, A., Trincardi, F.,.
- 63** **Title of the work:** Export of terrigenous organic carbon along submarine canyons driven by dense water cascading.
Name of the conference: Eos Transactions AGU, 89(53), Fall Meeting Supplement, Abstract: OS51A-1221.
City of event: San Francisco, United States of America
Date of event: 2008
Tesi, T. Puig, P., Goni, M., Canals, M., Langone, L., Palanques, A., Miserocchi, S., Heussner, S., T.
- 64** **Title of the work:** Formación de surcos sedimentarios por cataratas submarinas en el interior del cañón de Cap de Creus.,
Name of the conference: VII Congreso Geológico de España.
City of event: Las Palmas de Gran Canaria, Spain
Date of event: 2008
P. Puig, A. Palanques, D.L. Orange, G. Lastras, M. Canals.
- 65** **Title of the work:** Interactions between dense shelf water cascades and deep-sea populations.
Name of the conference: HERMES Annual Meeting.
City of event: Faro, Portugal
Date of event: 2008
Puig, P., Company, J.B., Sardá, F., Palanques, A., Latasa, M., Font, J., Scharek, R., Calafat, A., C.
- 66** **Title of the work:** Monitoring dense shelf water cascades: an assessment tool for understanding deep-sea ecosystems functioning.
Name of the conference: 34th CIESM International Research Workshop "Towards an integrated system of Mediterranean marine observatories".
City of event: La Spezia, Italy
Date of event: 2008
Puig, P., Font., J., Company, J.B., Palanques, A., Sardà.
- 67** **Title of the work:** On the remobilization of the dumped wastes of the Flix reservoir (Ebro River, Spain): evidences from radionuclides in suspended particulate matter (SPM). Industrial pollution in rivers.
Name of the conference: Effects on water quality, biota and agriculture
City of event: Tarragona, Spain
Date of event: 2008
N. Casacuberta; P. Masqué; J. García-Orellana; J.M. Bruach; R.J. Batalla; D. Vericat; J.A. López; A. Palanques; J. Guillén; P. Puig; M. Belzunces.
- 68** **Title of the work:** Permanent changes in Western Mediterranean Deep Water after 2005 revealed by time series.
Name of the conference: EGU General Assembly 2008.
City of event: Viena, Austria
Date of event: 2008
Font, J., Puig, P., Salat, J., Palanques, A., Emelianov, M., Julià, A.



- 69** **Title of the work:** Seasonal and spatial variations of organic matter sources in the Western Gulf of Lion.
Name of the conference: HERMES 2008 Annual Meeting.
City of event: Faro, Portugal
Date of event: 2008
A. Sanchez-Vidal; C. Pascual; P. Kehervé; S. Heussner; A. Calafat; X. Durrieu de Madron; M. Canals; P. Puig; A. Palanques.
- 70** **Title of the work:** The commonalities and complexities of the impact of life histories on the ecology of harmful algal blooms (outcomes of the SEED project).
Name of the conference: Internacional no UE. 13th International Conference on Harmful Algae 2008 POSTER
City of event: China
Date of event: 2008
Lewis, J; E. Garcés; S. Anglès; J. Camp; M. Estrada; A. Palanques; J. Solé; G. Basterrechea; A. Jord.
- 71** **Title of the work:** Trace metals in Flix Reservoir (Ebro River): highly polluted area associated to an electro-chemical factory.
Name of the conference: Congress "Industrial pollution in rivers. Effects on water quality, biota and agriculture".
City of event: Tarragona, Spain
Date of event: 2008
City organizing entity: Tarragona, Marc Belzunces, Albert Palanques.
- 72** **Title of the work:** Biogeochemical characteristics of particulate organic matter during a dense shelf water cascading event.
Name of the conference: Joint IMBER/LOICZ Continental Margins Open Science Conference.
City of event: Shanghai, China
Date of event: 2007
Sanchez-Vidal, A., Pasqual, C., Palanques, A., Calafat, A., Kerhervé, P., Puig, P., Heussner, S., Ca.
- 73** **Title of the work:** Contribution of intense cascading to modifications of western Mediterranean deep water as shown by HydroChanges mooring.
Name of the conference: 38th CIESM Congress
City of event: Istanbul, Turkey
Date of event: 2007
Font, J., Puig, P., Salat, J., Emelianov, M., Palanques, A.
- 74** **Title of the work:** Dense Shelf Water Cascading in the Gulf of Lion and its implications.
Name of the conference: IUGG 2007 General Assembly
City of event: Perugia, Italy
Date of event: 2007
Durrieu de Madron X, Canals, M., Puig, P., Heussner, S., Palanques, A., Calafat, A., Estournel, C.
- 75** **Title of the work:** Dense shelf water cascading (DSWC) vs flushing submarine canyons.
Name of the conference: IMAGES - PAGES Circum-Iberia Paleooceanography and Paleoclimate Workshop
City of event: Peniche, Portugal
Date of event: 2007
Canals, M., Puig, P., Durrieu de Madron, X., Heussner, S., Palanques, A., Fabres, J.



- 76** **Title of the work:** Dense shelf water cascading in the Gulf of Lion and its implications for the western Mediterranean paleoceanographic record.
Name of the conference: Simposio GLOBEC - IMBER España
City of event: Valencia, Spain
Date of event: 2007
Canals, M., Calafat, A., Frigola, J., Cacho, I., Puig, P., Palanques, A., Durrieu de Madron, X., Heu.
- 77** **Title of the work:** Dense shelf water cascading in the Gulf of Lion and its implications.
Name of the conference: HERMES 2007 Annual Meeting
City of event: Faro, Portugal
Date of event: 2007
Canals, M., Puig, P., Durrieu de Madron, X., Heussner, S., Palanques, A., Calafat, A., Grimalt, J.O.
- 78** **Title of the work:** Drivers of Mediterranean deep-water sedimentation.
Name of the conference: 38th CIESM Congress,
City of event: Istanbul, Turkey
Date of event: 2007
Canals, M., Puig, P., Durrieu de Madron, X., Heussner, S., Palanques, A., Calafat, A.
- 79** **Title of the work:** Formation of thick and persistent bottom nepheloid layers in the northwestern Mediterranean basin after major dense shelf water cascading events.
Name of the conference: HERMES 2007 Annual Meeting
City of event: Faro, Portugal
Date of event: 2007
P. Puig; X. Durrieu de Madron; K Schröder; G.P. Gasparini; J. Salat; M. Emelianov; J.L. López-Jurado; A. Palanques; A.P. Karageorgis; V. Lykousis.
- 80** **Title of the work:** Hydrodynamic processes and suspended sediment transport in the submarine canyons and open slope of the western Gulf of Lions continental slope.
Name of the conference: HERMES 2007 Annual Meeting
City of event: Faro, Portugal
Date of event: 2007
Palanques, A., Puig, P., Durrieu de Madron, X., Guillén, J., Martín, J., Sánchez-Vidal, A., Pascual,.
- 81** **Title of the work:** Sedimentary patterns in the westernmost Gulf of Lions canyons and their adjacent slopes.
Name of the conference: HERMES 2007 Annual Meeting
City of event: Faro, Portugal
Date of event: 2007
Pascual, C., Zúñiga, D., Calafat, A., Canals, M., Sánchez-Vidal, A., Puig, P., Palanques, A.
- 82** **Title of the work:** Significance of benthic communities on bottom roughness and wave dissipation in a coastal environment.
Name of the conference: Coastal Sediments 07
City of event: Louisiana, United States of America
Date of event: 2007
Guillén, J., Soriano, S., Falqués, A., Demestre, M., Palanques, A., Puig, P.
- 83** **Title of the work:** Stable isotopic composition (^{13}C and ^{15}N) of particulate organic matter in the western Gulf of Lions.
Name of the conference: 38th CIESM Congress,



City of event: Istanbul, Turkey

Date of event: 2007

Sanchez-Vidal, A., Kerhervé, P., Pascual, C., Calafat, A., Heussner, S., Palanques, A., Puig, P.

84 Title of the work: Temporal variability and biogeochemical composition of particle fluxes in the western Gulf of Lions.

Name of the conference: HERMES 2007 Annual Meeting

City of event: Faro, Portugal

Date of event: 2007

City organizing entity: Faro,

A. Sánchez-Vidal; X. Durrieu de Madron; P. Kehervé; S. Heussner; C. Pascual; A. Calafat; M. Canals; P. Puig; A. Palanques.

85 Title of the work: A new DeepWater formed in the NW Mediterranean in 2005.

Name of the conference: EGU General Assembly 2006.

City of event: Viena, Austria

Date of event: 2006

Font, J., Salat, J., Emelianov, M., Puig, P., Palanques, A., Julià, A., López-Jurado, J.L., González.

86 Title of the work: Alta presencia de la Holoturia elaspodida *Penilipidia ludwigi* (von Marenzeller 1893) en trampas de sedimento batiales ancladas en un cañón submarino del mar Catalán.

Name of the conference: XIV Simposio Ibérico de Estudios de Biología Marina.

City of event: Barcelona, Spain

Date of event: 2006

Pagès, F., Martín, J., Palanques, A., Puig P., Gili J.M.

87 Title of the work: Controlling Factors and Source of Particulate Fluxes at the Head of Gulf of Lions Canyons.

Name of the conference: Ocean Sciences Meeting.

City of event: Honolulu, United States of America

Date of event: 2006

Fabrés, J., Tesi, T., Calafat, A., Heussner, S., Palanques, A., Zúñiga, D., Puig, P., Canals, Misero.

88 Title of the work: Effects of Trawling on Sedimentation of Continental Margins.

Name of the conference: AGU Fall Meeting 2006

City of event: San Francisco, United States of America

Date of event: 2006

Palanques, A., Martín, J., Puig, P., Guillén, J., Demestre, M.

89 Title of the work: High occurrence of the elaspod holothurian *Penilipidia ludwigi* (von Marenzeller 1893) in bathyal sediment traps moored in a western Mediterranean submarine canyon.

Name of the conference: 11th International Deep-Sea Biology Symposium.

City of event: Southampton, United Kingdom

Date of event: 2006

Pagès, F., Martín, J., Palanques, A., Puig, P., Gili, J.M.

90 Title of the work: Massive sand beds deposited by dense water cascading in the Bourcart canyon head, Gulf of Lions (northwestern Mediterranean Sea).

Name of the conference: EGU General Assembly 2006.

City of event: Viena, Austria

Date of event: 2006



Gaudin, M., Berné, S., Jouanneau, J-M., Palanques, A., Puig, P., Mulder, T., Cirac, P., Rabineau, M.

- 91** **Title of the work:** Sediment transport through the Gulf of Lion canyoned margin, NW Mediterranean.
Name of the conference: AGU Fall Meeting 2006
City of event: San Francisco., United States of America
Date of event: 2006
Puig, P., Canals, M., Durrieu de Madron, X., Heussner, S., Palanques, A., Fabrés, J.
- 92** **Title of the work:** The HERMES Gulf of Lions Canyons Experiment.
Name of the conference: HERMES First Annual Meeting.
City of event: Palma de Mallorca, Spain
Date of event: 2006
Calafat, A., Durrieu de Madron, X., Palanques, A., Puig, P., Sanchez-Vidal, A., Saragoni, G., Zuñiga.
- 93** **Title of the work:** Comparison of sediment dynamics during “wet” and “dry” storm events on the Tet Prodelta.
Name of the conference: EGU General Assembly 2005,
City of event: Viena, Austria
Date of event: 2005
Guillén, J., Bourrin, F., Buscail, R., Palanques, A., Puig, P., Durrieu de Madron, X.
- 94** **Title of the work:** Controlling factors and source of particulate fluxes at the head of Gulf of Lions submarine canyons: Results from a comprehensive sediment trap experiment.
Name of the conference: Eurostrataform final meeting.
City of event: Salamanca, Spain
Date of event: 2005
Calafat, A., Fabrés, J., Heussner, S., Tesi, T., Palanques, A., Puig, P., Miserocchi, S., Durrieu de.
- 95** **Title of the work:** Distribución de metales pesados en los sedimentos de la costa catalana.
Name of the conference: VIII Jornadas Españolas de Ingeniería de Costas y Puertos.
City of event: Barcelona, Spain
Date of event: 2005
M. Belzunces, A. Palanques, M. de Torres.05/2005.
- 96** **Title of the work:** Impact of trawling on the Ebro mud prodelta.
Name of the conference: ASLO Summer Meeting 2005
City of event: Santiago de Compostela, Spain
Date of event: 2005
Palanques, A., Puig, P., Guillén, J., Demestre, M.
- 97** **Title of the work:** Particulate Matter Fluxes and Composition in the Nazaré Submarine Canyon.
Name of the conference: Eurostrataform final meeting.
City of event: Salamanca, Spain
Date of event: 2005
J. Martín , A. Palanques, J. Vitorino, A. Oliveira. 2005.
- 98** **Title of the work:** Respuesta del registro sedimentario a la ciclicidad solar en el estrecho de Gerlache (península Antártica)
Name of the conference: 38ª Sesión Científica,
City of event: Teruel, Spain
Date of event: 2005



M. A., Bárcena, J. Sesma, E. Isla y A. Palanques.

- 99** **Title of the work:** Sediment dynamics during “wet” and “dry” storm events on the Têt inner shelf (SW Gulf of Lions).
Name of the conference: Eurostrataform final meeting.
City of event: Salamanca, Spain
Date of event: 2005
J. Guillén, F. Bourrin, A. Palanques, X. Durrieu de Madron, P. Puig, R. Buscail.
- 100** **Title of the work:** Sediment dynamics on a small event-dominated prodelta during two contrasted winters, Gulf of Lions, western Mediterranean Sea.
Name of the conference: Eurostrataform final meeting.
City of event: Salamanca, Spain
Date of event: 2005
F. Bourrin, Durrieu DeMadron, X., Heussner, S.; Guillen, J.; Palanques, A.
- 101** **Title of the work:** Sediment transport processes through the Cap de Creus submarine canyon.
Name of the conference: ASLO Summer Meeting 2005
City of event: Santiago de Compostela, Spain
Date of event: 2005
Puig, P., Guillén, J., Palanques, A.
- 102** **Title of the work:** Suspended sediment fluxes and transport processes in the Gulf of Lions submarine canyons.
Name of the conference: The role of storms and dense water cascading. Eurostrataform final meeting.
City of event: Salamanca, Spain
Date of event: 2005
A. Palanques, X. Durrieu de Madron, P. Puig, J. Fabres, J. Guillén, A. Calafat, M. Canals, S. Heussn.
- 103** **Title of the work:** Suspended sediment transport through the Gulf of Lions submarine canyons. EGU General
Name of the conference: EGU General Assembly 2005,
City of event: Viena, Austria
Date of event: 2005
Palanques, A., Puig, P., Durrieu de Madron, X., Guillén, J., Calafat, A., Fabrés, J., Heussner, S.,.
- 104** **Title of the work:** The impact of a winter catastrophic storm on near bottom particle fluxes at canyon heads in the Gulf of Lions.
Name of the conference: ASLO Summer Meeting 2005
City of event: Santiago de Compostela, Spain
Date of event: 2005
Fabrés, J., Miserocchi, S., Heussner, S., Calafat, A., Zúñiga, D., Canals, M., Tesi, T., Palanques,.
- 105** **Title of the work:** The impact of the December 2003 catastrophic storm on near bottom particle fluxes at canyon heads in the Gulf of Lions.
Name of the conference: EGU General Assembly 2005
City of event: Viena, Austria
Date of event: 2005
J. Fabrés; S. Miserocchi; S. Heussner; A. Calafat; D. Zúñiga; M. Canals; T. Tesi; A. Palanques; P. Puig; X. Durrieu de Madron.



- 106** **Title of the work:** 210Pb as a tracer of sedimentation processes in the continental slope: the role of submarine canyon systems in the Western Mediterranean Sea.
Name of the conference: 37e Congrès de la CIESM, Rapp, Comm. Int. Mer Médit., 37
City of event: Barcelona, Spain
Date of event: 2004
P. Masqué, J.A. Sánchez-Cabeza, J. Garcia-Orellana, J.M. Bruach, A. Palanques, M. El Kathab, P. Puig.
- 107** **Title of the work:** Comparison of sediment dynamics during “wet” and “dry” storm events on the Tet Prodelta.
Name of the conference: Joint EURODELTA-EUROSTRATAFORM Annual Meeting 2004.
City of event: Venecia, Italy
Date of event: 2004
Guillén, J., Bourrin, F., Palanques, A., Durrieu de Madron, X., Puig, P., Buscail, R.
- 108** **Title of the work:** Contemporary suspended sediment fluxes through the Gulf of Lion submarine canyons.
Name of the conference: AGU 2004 Fall meeting.
City of event: San Francisco, United States of America
Date of event: 2004
Palanques, A., Puig, P., Durrieu de Madron, X., Guillén, J., Calafat, A., Fabrès, J., Heussner, S.,
- 109** **Title of the work:** Downward particle fluxes in a submarine canyon of the north-western Alborán Sea: the Guadiaro submarine canyon.
Name of the conference: 37e Congrès de la CIESM, Rapp, Comm. Int. Mer Médit., 37
City of event: Barcelona, Spain
Date of event: 2004
M. El Khatab, A. Palanques, P. Puig; E. Isla.
- 110** **Title of the work:** El efecto de la marea interna en la formación de capas nefeloides en el margen continental de Guadiaro (Mar de Alborán).
Name of the conference: VI Congreso Geológico de España,
City of event: Zaragoza, Spain
Date of event: 2004
P. Puig, A. Palanques, J. Guillén, M. El Khatab.
- 111** **Title of the work:** Interactions between storms and dense water cascading in the Gulf of Lions, NW Mediterranean.
Name of the conference: AGU 2004 Fall meeting
City of event: San Francisco, United States of America
Date of event: 2004
Durrieu de Madron, X., Heussner, S., Bourrin, F., Estournel, C., Ulses, C., Palanques, A., Puig, P.,
- 112** **Title of the work:** Interactions between storms and dense water cascading in the Gulf of Lions.
Name of the conference: Joint EURODELTA-EUROSTRATAFORM Annual Meeting 2004.
City of event: Venice, Italy
Date of event: 2004
Durrieu deMadron, X., Heussner, S., Bourrin, F., Palanques, A., Puig, P., Guillén, J., Calafat, A.,
- 113** **Title of the work:** Near bottom particle fluxes at canyon heads in the Gulf of Lions: the impact the December 2003 catastrophic floods.
Name of the conference: Joint EURODELTA-EUROSTRATAFORM Annual Meeting 2004.
City of event: Venecia, Italy



Date of event: 2004

Fabrés, J., Zúñiga, D., Calafat, A.M., Canals, M., Puig, P., Palanques, A., Durrieu de Madron, X., H.

114 Title of the work: Sediment gravity flows induced by trawling in the Palamós (Fonera) submarine canyon.

Name of the conference: 37e Congrès de la CIESM, Rapp, Comm. Int. Mer Médit., 37, p.63.

City of event: Barcelona, Spain

Date of event: 2004

A. Palanques, J. Martín, P. Puig, J. Guillén, J. B. Company, F. Sardà.

115 Title of the work: Shelf/slope exchanges and submarine canyons: laboratory modeling.

Name of the conference: 37e Congrès de la CIESM, Rapp, Comm. Int. Mer Médit., 37

City of event: Barcelona, Spain

Date of event: 2004

B. Gomez, S. Kremenetskiy, J. Martín, O. Stroganov, E. García-Ladona, A. Zatsepin, A. Palanques, M.

116 Title of the work: Spatial and temporal distribution of heavy metals in downward particulate matter from the northwestern Alborán Sea.

Name of the conference: 37e Congrès de la CIESM, Rapp, Comm. Int. Mer Médit., 37

City of event: Barcelona, Spain

Date of event: 2004

M. El Khatab, A. Palanques, P. Puig.

117 Title of the work: Spatial-Temporal Variability and Composition of Downward Particulate Matter Fluxes in the Palamós Submarine Canyon (North-western Mediterranean).

Name of the conference: 37e Congrès de la CIESM, Rapp, Comm. Int. Mer Médit., 37

City of event: Barcelona, Spain

Date of event: 2004

J. Martín, A. Palanques, P. Puig, J. Guillén.

118 Title of the work: Suspended Sediment Fluxes in the Gulf of Lion Submarine Canyons during the November-May 2003 high resolution experiment.

Name of the conference: Joint EURODELTA-EUROSTRATAFORM Annual Meeting 2004.

City of event: Venice, Italy

Date of event: 2004

Palanques, A., Puig, P., Durrieu deMadron, X., Guillén, J., Calafat, A., Fabrés, J., Bourrin, F., He.

119 Title of the work: Coupling between sediment dynamics and benthic communities in the coastal zone.

Name of the conference: EGS-AGU-EUG Joint Assembly.Geophysical

City of event: Niza, France

Date of event: 2003

J. Guillén, S. Soriano, M. Demestre, A. Falqués, D. Martín, A. Palanques, P. Puig, P. Sánchez, J. Se.

120 Title of the work: Downward and suspended sediment fluxes in the Palamós submarine canyon (North-Western Mediterranean).

Name of the conference: EGS-AGU-EUG Joint Assembly.

City of event: Niza, France

Date of event: 2003

A. Palanques, J. Martín, P. Puig, J. Guillén. 2003.



- 121 Title of the work:** Influence of submarine canyons on the coastal circulation and shelf/slope exchanges: observations and laboratory modelling.
Name of the conference: International Conference on "Fluxes and Structures in fluids"
City of event: St. Petersburg, Russia
Date of event: 2003
E. García-Ladona, M. Emelianov, S. Kremenetskiy, S. Poyarkov, O. Stroganov, A. Zatsepin, A. Palanque.
- 122 Title of the work:** Monitoring sediment fluxes within submarine canyons. A need for new technologies to understand sediment transport processes.
Name of the conference: Ocean Margin Research Conference (OMARC).
City of event: Paris, France
Date of event: 2003
A. Palanques, P. Puig, J. Guillén, J. Martín.
- 123 Title of the work:** Monitoring water quality in the coastal zone of Barcelona with the Argus video system.
Name of the conference: EGS-AGU-EUG Joint Assembly. Geophysical Research Abstracts, Vol. 5, 14023
City of event: Niza, France
Date of event: 2003
D. Blasco, M. Estrada, J. Guillen, A. Palanques, M. Segura.
- 124 Title of the work:** Monitorización de las playas de la ciudad de Barcelona utilizando imágenes de video: evolución de la línea de costa en respuesta a temporales y regeneración artificial (2001-2002).
Name of the conference: VII Jornadas de Ingeniería de Costas y Puertos,
City of event: Almeria, Spain
Date of event: 2003
J. Guillén, O. Chic, E. Ojeda, A. Palanques, S. Aarninkhof.
- 125 Title of the work:** Sediment transport processes across a crenulated clinoform.
Name of the conference: ComDelta conference,
City of event: Aix-en-Provence, France
Date of event: 2003
Puig, P., Guillén, J., Palanques, A.
- 126 Title of the work:** Sediment transport processes across crenulated clinoforms on the western Adriatic prograding mud wedge.
Name of the conference: AGU 2003 Fall Meeting. American Geophysical Union, OS51D-02 Invitado.
City of event: San Francisco, United States of America
Date of event: 2003
P. Puig, J. Guillén, A. Palanques.
- 127 Title of the work:** The role of near-inertial internal waves in the sediment dynamics of Mediterranean continental shelves.
Name of the conference: EGS-AGU-EUG Joint Assembly.
City of event: Niza, France
Date of event: 2003
P. Puig, A. Palanques, J. Guillén, D. A. Cacchione.
- 128 Title of the work:** The shaping of the northwestern Alboran continental slope by internal waves.
Name of the conference: Ocean Margin Research Conference (OMARC).
City of event: Paris, France
Date of event: 2003



P. Puig, A. Palanques, J. Guillén, M. El Khatab.

- 129 Title of the work:** 3-D Circulation in the Palamós Canyon: observations and modelling.
Name of the conference: European Geophysical Union 2002.
City of event: Niza., France
Date of event: 2002
A. Pascual, A. Jordi, M. Marcos, S. Ruiz, G. Basterretxea, D. Gomis, M. Emelianov, J. Martín,; J. Font; J. Tintoré; A. Palanques.
- 130 Title of the work:** Main features of sediment particle fluxes in Spanish Mediterranean submarine canyons (Foix, Guadiaro and Palamós Canyons)
Name of the conference: Canyons Workshop.
City of event: Sitges, Spain
Date of event: 2002
A. Palanques, P. Puig, J. Guillén, M. El Khatab, J. Martín.
- 131 Title of the work:** Near-bottom sediment transport seaward of the surf zone under storms. On the role of currents, wind and infragravity waves in microtidal environments.
Name of the conference: 28 International Conference on Coastal Engineering. Cardiff.
City of event: Cardiff, United Kingdom
Date of event: 2002
V. Gracia, J.A. Jiménez, D. Morón, A. Sánchez-Arcilla, J. Guillén, A. Palanques.
- 132 Title of the work:** Near-inertial internal waves: a mechanism to maintain a permanent bottom nepheloid layer on the Ebro Shelf (Northwestern Mediterranean).
Name of the conference: AGU 2002 Fall Meeting. American Geophysical Union.
City of event: San Francisco, United States of America
Date of event: 2002
A. Palanques, P. Puig, J. Guillen, J. Puigdefabregas.
- 133 Title of the work:** On the influence of sediment suspension on velocity profiles of wind-induced currents in the inner shelf under storms.
Name of the conference: Conference on Coastal Engineering.
City of event: Cardiff, United Kingdom
Date of event: 2002
J.A. Jiménez, J. Guillén, A. Sánchez-Arcilla, V. Gracia, A. Palanques.
- 134 Title of the work:** Preliminar results on particulated matter and fluxes in the Palamos Canyon.
Name of the conference: European Geophysical Union 2002.
City of event: Niza., France
Date of event: 2002
J. Martín, A. Palanques, P. Puig, J. Guillén, E. Garcia-Ladona, M. Emelianov, J. Font, J.M. Gili, N.
- 135 Title of the work:** Sediment variability in the mixing layer in the inner shelf. Implications for sediment transport.
Name of the conference: 28 International Conference on Coastal Engineering.
City of event: Cardiff, United Kingdom
Date of event: 2002
J. Guillén, J.A. Jiménez, A. Palanques, P. Puig, V. Gracia.



- 136** **Title of the work:** Spatial-temporal distributions of chlorophyll and nutrients concentrations in the Palamós Submarine Canyon (NW Mediterranean).
Name of the conference: European Geophysical Union 2002.
City of event: Niza, France
Date of event: 2002
M. Segura, N. Vert, M. Emelianov, D. Blasco, A. Palanques J. Martín, A. Jordi, G. Basterretxea, A. P.
- 137** **Title of the work:** The response of a steep canyon off the East spanish coast to different atmospheric conditions.
Name of the conference: European Geophysical Union 2002.
City of event: Niza., France
Date of event: 2002
M. Marcos, S. Monserrat, E. Garcia-Ladona, J. Tintoré, P. Puig, A. Palanques, J. Martín, M. Llobet, A.
- 138** **Title of the work:** The role of internal waves on the generation of intermediate and bottom nepheloid layers within and around the Guadiaro Submarine Canyon.
Name of the conference: AGU 2002 Fall Meeting. American Geophysical Union, OSC11C-0244.
City of event: San Francisco, United States of America
Date of event: 2002
P. Puig, A. Palanques, J. Guillén M., El Khatab.
- 139** **Title of the work:** Impacto de la pesca de arrastre en el sedimento y en la turbidez del agua de la zona costera.
Name of the conference: VI Jornadas Españolas de Ingeniería de Costas y Puertos.
City of event: Palma de Mallorca, Spain
Date of event: 2001
A. Palanques, J. Guillén, P. Puig, P. Sánchez, M. Demestre.
- 140** **Title of the work:** El estuario del Ebro: efectos de las oscilaciones del nivel marino sobre la circulación y la dinámica del sedimento.
Name of the conference: V Congreso Geológico de España
City of event: Alicante, Spain
Date of event: 2000
J. Guillén, A. Palanques.
- 141** **Title of the work:** Impact of the Aznalcollar Spill on Bottom and Suspended Sediment of the Guadalquivir Estuary (Southwest Spain).
Name of the conference: 3 Simposio sobre el Margen Continental Ibérico.
City of event: Faro., Portugal
Date of event: 2000
A. Palanques, P. Puig, J. Guillén, X. Querol, A. Alastuey.
- 142** **Title of the work:** Inferencias paleoceanográficas en el sureste del Pacífico Subtropical deducidas a partir de un testigo de 380.000 años
Name of the conference: V Congreso Geológico de España
City of event: Alicante, Spain
Date of event: 2000
A. Plaza, A. Molina Cruz, A. Palanques.



- 143** **Title of the work:** Optical techniques to measure suspended matter.
Name of the conference: Measuring and modelling of sediment Transport Processes.
City of event: Bergen., Norway
Date of event: 2000
A. Palanques.
- 144** **Title of the work:** Procesos que controlan el transporte de sedimento en suspensión en la plataforma continental media del Delta del Ebro. .
Name of the conference: V Congreso Geológico de España
City of event: Alicante, Spain
Date of event: 2000
P. Puig, J. Guillén y A. Palanques.
- 145** **Title of the work:** Recent (100 yr) sediment and organic carbon accumulation rates in bottom sediment in a high productivity area: Gerlache strait (Antarctica)
Name of the conference: Southern Ocean-JGOFS Symposium.C138.
City of event: Brest, France
Date of event: 2000
Isla, E., Masqué, P., A. Palanques, Sanchez-Cabeza, J.A., Bruach J.M.
- 146** **Title of the work:** Settling particle fluxes and sediment accumulation rates in the Western Bransfield Strait, (Antarctica): implications in the carbon cycle.
Name of the conference: Southern Ocean-JGOFS Symposium
City of event: Brest., France
Date of event: 2000
A. Palanques, Isla, E., Masqué, P., Puig, P., Sanchez-Cabeza, J.A., Gili, J.M. Guillén, J.
- 147** **Title of the work:** Shelf-slope sediment transfer in the Barcelona continental margin.
Name of the conference: 2000 Ocean Sciences Meeting. American Geophysical Union,
City of event: San Antonio, United States of America
Date of event: 2000
P. Puig, A. Palanques, J. Guillén, (2000).
- 148** **Title of the work:** Suspended Sediment Distribution and Fluxes on the Ebro Shoreface and Continental Shelf (Northwestern Mediterranean).
Name of the conference: 2000 Ocean Sciences Meeting
City of event: San Antonio, United States of America
Date of event: 2000
A. Palanques, J. Guillén, P. Puig, J. Jiménez, V. Gracia, M. García, J. Salat1, A. Sánchez Arcilla,.
- 149** **Title of the work:** Biogenic near-bottom fluxes in the SW Bransfield Strait during an annual cycle: and evidence of winter food supply to the benthic communities.
Name of the conference: Symposium and Workshop. Ecology of the Antarctic Sea Ice Zone- EASIZ.
City of event: Bremenhausen, Germany
Date of event: 1999
A. Palanques, E. Isla, P. Puig, J. M. Gili.
- 150** **Title of the work:** Current variability at diurnal and inertial frequencies on the Ebro.
Name of the conference: EGS 99. 24th General Assembly, Hydrology, Oceans and Atmosphere, Geophysical Research, Abstracts, vol 1, 2
City of event: La Haya, Holland



Date of event: 1999

T. Rippeth, J. Simpson, MA. Garcia, A. Sanchez Arcilla, J. Xing, AG Davies, J. Guillén, A. Palanques.

151 Title of the work: First C37 Alkenone Record of sea Surface Temperature and Productivity in the Southeastern Subtropical Pacific Ocean over the last 400,000 Years.

Name of the conference: European Union of Geoscience, EUG Strasbourg Meeting, 10,

City of event: Strasbourg, France

Date of event: 1999

E. Calvo, J.O. Grimalt, C. Pelejero, J.C. Herguera, JA Flores and FJ Sierro, A. Plaza, A. Palanques.

152 Title of the work: Resuspensión de sedimento en la plataforma continental interna del delta del Delta del Ebro.

Name of the conference: 27ª Sesión Científica de la SGE

City of event: Cádiz, Spain

Date of event: 1999

J. Guillén, J.A. Jiménez, *A. Palanques*, V. Gracia and A. Sánchez-Arcilla.

153 Title of the work: Seasonal changes of water mass structure, mesoscale circulation and shelf slope exchanges at the Ebro Shelf (NW Mediterranean).

Name of the conference: EGS 99. 24th General Assembly, Hydrology, Oceans and Atmosphere, Geophysical Research

City of event: La Haya, Holland

Date of event: 1999

J. Salat, P. Abelló, L. Arín, P.A. Arnau, A. Castellón), M.A. García, J. Guillén, M.D. Herrera, A. J; A. Julià; A. de Leon; M. Masó; M. P. Olivar; A. Palanques; I. Palomera; P. Puig; J. Puigdefabregas; A. Sabates; J. Salas; A. Sanchez-Arcilla; J. Sanchez; P. Schneider; J. Sospedra.

154 Title of the work: Settling particle fluxes at the Johnson's Dock (Livingston Island, Antarctica) during the summer 97-98 experiment.

Name of the conference: International Symposium and Workshop. Ecology of the Antarctic Sea Ice Zone-EASIZ.

City of event: Bremenhausen, Germany

Date of event: 1999

Isla, E., Alba, V., Palanques, A., Puig, P.1999.

155 Title of the work: The origin of organic carbon in deep sea sediments over glacial to interglacial periods. Inferences from the study of molecular markers.

Name of the conference: 19th International Meeting on Organic Geochemistry,

City of event: Istanbul., Turkey

Date of event: 1999

E. Calvo, J.O. Grimalt, C. Pelejero, A. Plaza, A. Palanques.

156 Title of the work: A multidisciplinary approach to a 50 kyr images record (MD 95-2043) in the Alboran Sea (W Mediterranean).

Name of the conference: 6th International Conference on Paleoceanography.

City of event: Lisboa., Portugal

Date of event: 1998

Plaza A., Palanques A., Alonso A., Barcena M.A., Cacho, I. Sierro, F., Casa, D.

157 Title of the work: Field measurements of suspended sediment concentration during FANS field campaigns: a comparative analysis.

Name of the conference: FANS Second Plenary Workshop.



City of event: Bangor, United Kingdom

Date of event: 1998

J. Guillén, A. Palanques, P. Puig.05/1998.

- 158 Title of the work:** Low frequency variability of the shelf/slope circulation off the Ebro Delta.
Name of the conference: FANS Second Plenary Workshop.
City of event: Bangor, United Kingdom
Date of event: 1998
M.A. García, M.D. Herrera, J. Puigdefábregas, A. Sánchez Arcilla, T. Rippeth, J. Simpson, J. Guillén.
- 159 Title of the work:** Paleoceanographic evolution in the Western Bosphorus Strait from long term record of carbon and opal storage.
Name of the conference: 6th International Conference on Paleoceanography.
City of event: Lisboa, Portugal
Date of event: 1998
E. Isla, A. Barcena, A. Palanques, A. Plaza, P. Puig, J. Guillén, J. A. Flores, F.J. Sierro.
- 160 Title of the work:** Seasonal evolution of water mass structure and shelf slope exchanges at the Iberian shelf (NW Mediterranean).
Name of the conference: European Geophysical Society XXIII General Assembly EGS 1998.
City of event: Niza, France
Date of event: 1998
J. Salat, P. Abelló, L. Arín, P.A. Arnau, A. Castellón, M.A. Garcia, J. Guillén, M.D. Herrera, A. Ju.
- 161 Title of the work:** Seasonal evolution of water mass structure and shelf slope exchanges at the Iberian shelf (NW Mediterranean). Preliminary results of FANS cruises.
Name of the conference: FANS Second Plenary Workshop.
City of event: Bangor, United Kingdom
Date of event: 1998
J. Salat, P. Abelló, L. Arín, P.A. Arnau, A. Castellón, M.A. Garcia, J. Guillén, M.D. Herrera, A. Ju.
- 162 Title of the work:** Sediment fluxes across the shoreface and continental shelf. A FANS keypoint.
Name of the conference: FANS Second Plenary Workshop.
City of event: Bangor, United Kingdom
Date of event: 1998
A. Palanques (1998).
- 163 Title of the work:** Short term relatively deep sedimentation on the Ebro Delta Coast. Opening the closure depth.
Name of the conference: 26th International Conference on Coastal Engineering.
City of event: Copenhagen, Denmark
Date of event: 1998
V. Gracia, J. A. Jiménez, A. Sánchez Arcilla, J. Guillén, A. Palanques.
- 164 Title of the work:** Temporal variability of the shelf circulation off the Ebro Delta at mesoscale.
Name of the conference: EGS 1998. Annales Geophysicae, v. 16 II.
City of event: Niza, France
Date of event: 1998
M.A. García, M.D. Herrera, J. Puigdefábregas, A. Sánchez Arcilla, T. Rippeth, J. Simpson, J. Guillén.



- 165** **Title of the work:** 210 Pb derived sedimentation rates on the Barcelona Continental shelf.
Name of the conference: International Conference Progress in Oceanography of the Mediterranean Sea.
City of event: Roma, Italy
Date of event: 1997
J.A. Sanchez-Cabeza, P. Masqué, A. Ragolta, J. Merino, M. Frignani, A. Palanques, P. Puig.
- 166** **Title of the work:** Fluxes across a narrow-shelf: The relevance of the nearshore interactions in the Ebro Delta region.
Name of the conference: International Conference Progress in Oceanography of the Mediterranean Sea.
City of event: Roma, Italy
Date of event: 1997
A. Sánchez Arcilla, J.H. Simpson, P. Fraunie, A.M. Fraunie, A.M. Davies, A. Palanques, B. Gjevik, M.
- 167** **Title of the work:** Space and time evolution of biogeochemical features in the sediments from the Balearic Sea.
Name of the conference: International Conference Progress in Oceanography of the Mediterranean Sea.
City of event: Roma, Italy
Date of event: 1997
I. Cacho, A. Calafat, M. Canals, J.A. Flores, T. Schoolmeester, A. Palanques.
- 168** **Title of the work:** Submarine canyons as habitat of singular plankton populations in the Mediterranean: An ecological approach.
Name of the conference: Workshop on Mediterranean Biodiversity. CIESM, EU-DG XII NCMR
City of event: Nicosia, Cyprus
Date of event: 1997
J. M. Gili, J. Bouillon, F. Pages, A. Palanques, P. Puig, Serge Heussner.
- 169** **Title of the work:** Flujos de partículas en el margen continental de Barcelona: El control de los cañones submarinos en la transferencia plataforma-talud
Name of the conference: IV Congreso Geológico de España. Alcalá de Henares, España
City of event: Alcalá de Henares, Spain
Date of event: 1996
Puig, P., Palanques, A.
- 170** **Title of the work:** Highlights of the EUROMARGE-NB multidisciplinary contribution to the Mediterranean Targeted Project.
Name of the conference: Second Workshop of the Mediterranean Targeted Project
City of event: Paris, France
Date of event: 1996
M. Canals, A. Monaco, A. Dinet, A. Palanques, F. Nyffeler and S. Heussner. 1996.1996.
- 171** **Title of the work:** Topographic constrain of currents on the Northwestern Mediterranean.
Name of the conference: European Geophysical Society XXI General Assembly
City of event: La Haya, Holland
Date of event: 1996
X. Durrieu de Madron, J. Carbonne, E. García-Ladona, A. Palanques, A. Calafat, M. Moll, P. Puig.
- 172** **Title of the work:** The Ebro delta coastal change: natural and human factors.
Name of the conference: MEDCOAST 95.
City of event: Tarragona, Spain
Date of event: 1995



Palanques, J. Guillén.

- 173 Title of the work:** Accumulation rates in the Balearic Sea: a critical overview.
Name of the conference: 2nd International Conference on the geology of siliciclastic shelf seas.
City of event: Gent, France
Date of event: 1994
J.A. Sánchez-Cabeza, P. Masqué, M. Canals, A.M. Calafat, A. Palanques.
- 174 Title of the work:** Coastal dynamics inferred from the sediment grain size distribution: longshore, cross-shore and temporal changes in a microtidal deltaic shoreface (Ebro Delta).
Name of the conference: 2nd International Conference on the geology of siliciclastic shelf seas.
City of event: Gent, France
Date of event: 1994
J. Guillén, A. Palanques.
- 175 Title of the work:** Long term changes of sedimentary transfer and depocenters in the NW Mediterranean during the Plio-Quaternary.
Name of the conference: First Workshop of the Mediterranean Targeted Project.
City of event: Barcelona, Spain
Date of event: 1994
A. Palanques, Alonso, B., Canals, M., Ercilla, G., Got, H., Farrán, M., Benkhelil, J.
- 176 Title of the work:** Mesoscale processes of sediment particle transfer across Northwestern Mediterranean continental margins: The EUROMARGE experiment.
Name of the conference: European Conference on Grand Challenges in Ocean and Polar Science
City of event: Bremen, Germany
Date of event: 1994
M. Canals, A.M. Calafat, A. Dinet, S. Heussner, A. Monaco, A. Palanques and the EUROMARGE-NB Group.
- 177 Title of the work:** Preliminary particle flux of Euromarge NB Project in the NW Mediterranean continental Margin.
Name of the conference: First Workshop of the Mediterranean Targeted Project.
City of event: Barcelona, Spain
Date of event: 1994
A. Palanques, Heussner, S. Monaco, A., Puig, P., Carbonne, N., Delsaut, N, Calafat, A.
- 178 Title of the work:** Research activities and research topics for collaboration about the oceanography at the shelf break.
Name of the conference: Oceanography at the shelf break.
City of event: Mallorca, Spain
Date of event: 1994
A. Palanques.
- 179 Title of the work:** A record of anthropogenic environmental impact in the continental shelf north of Barcelona city.
Name of the conference: International Symposium on Applications of Isotope Techniques in Studying Past and Current Environmental Changes in the Hydrosphere and Atmosphere
City of event: Viena, Austria
Date of event: 1993
J.A. Sánchez-Cabeza, P. Masqué Barri, W.R. Schell, A. Palanques, M. Valiente, C. Palet, R. Perez Obi.



- 180** **Title of the work:** Analyse Pollinique d'une séquence marine récente (Barcelona, Espagne) datée par Pb 210.
Name of the conference: 13 Symposium de l'Association Française de Palynologues.
City of event: Besançon, France
Date of event: 1993
J. Pantaleon Cano, Perez-Obiol, R., Roure, J., Sánchez Cabeza, J.A., Masqué, P., Palanques, A.
- 181** **Title of the work:** Factors controlling sediment budget in the lower Ebro River.
Name of the conference: : XVIII General Assembly of the European Geophysical Society
City of event: Wiesbaden, Germany
Date of event: 1993
J. Guillén, A. Palanques.
- 182** **Title of the work:** Long term changes of sedimentary transfer and depocenters in the NW Mediterranean during the Plio-Quaternary.
Name of the conference: First Workshop of the Mediteranean Targeted Project.
City of event: Barcelona, Spain
Date of event: 1993
A. Palanques, Alonso, B., Canals, M., Ercilla, G., Got, H., Farrán, M., Benkhelil, J.
- 183** **Title of the work:** Transport and fate of heavy metal pollution dumped in the Besós River and the Barcelona littoral area (Northwestern Mediterranean).
Name of the conference: European Meeting on Chemical Industry and Environment. LUGAR DE CELEBRACION:
City of event: Girona, Spain
Date of event: 1993
A. Palanques, I. Díaz.
- 184** **Title of the work:** Impacto de las alteraciones geoambientales originadas por actividades antrópicas en el medio marino.
Name of the conference: I Jornadas en Ciencias y Tecnologías Marinas.
City of event: Alicante, Spain
Date of event: 1992
A. Palanques.1992.
- 185** **Title of the work:** Littoral Morphology and sediment distribution in the Ebro Delta (NW Mediterranean).
Name of the conference: Rapport de la Commission Internationale pour l'exploration scientifique de la Mer Méditerranée (CIESM), 33
City of event: Trieste, Italy
Date of event: 1992
J. Guillén, A. Maldonado, J.I. Díaz, A. Palanques, A. Sánchez Arcilla, A. J.A. Jiménez, M.A. García.
- 186** **Title of the work:** Meto and hydrodynamic conditions governing the recent evolution of the Ebro Delta.
Name of the conference: Rapport de la Commission Internationale pour l'exploration scientifique de la Mer Méditerranée (CIESM), 33
City of event: Trieste, Italy
Date of event: 1992
M.A. García, J.A. Jiménez, A. Sánchez Arcilla, J. Sospedra, O. López, J. Gómez, A. Maldonado, J. Gui.



- 187** **Title of the work:** Circulació de la falca salina en el riu Ebre.
Name of the conference: XXXVII Assemblea Intercomarcal d'estudiosos.
City of event: Amposta, Spain
Date of event: 1991
J. Guillén, A. Palanques, J Camp.
- 188** **Title of the work:** Effects of sea level changes in deep environments. The case of the Valencia Valley trough during the Quaternary.
Name of the conference: 3 Congres Français de Sedimentologie.
City of event: Brest, France
Date of event: 1991
A. Palanques, B. Alonso, M.Farrán.
- 189** **Title of the work:** The Valencia Valley: origin and evolution of a Mid-Ocean Channel" sea valley type in the Northwestern Mediterranean.
Name of the conference: 3 Congres Français de Sedimentologie.
City of event: Brest, France
Date of event: 1991
B. Alonso, A. Palanques, M. Canals, M., J.P.Rehault.
- 190** **Title of the work:** Transport de sediments en la part baixa del riu Ebre.
Name of the conference: XXXVII Assemblea Intercomarcal d'estudiosos.
City of event: Amposta, Spain
Date of event: 1991
A. Palanques, J. Guillén.
- 191** **Title of the work:** Dispersal patterns of suspended particulate matter on the Ebro continental margin, (Northwestern Mediterranean Sea).
Name of the conference: American Geophysical Union Spring Meeting
City of event: Baltimore., United States of America
Date of event: 1990
A. Palanques, D.E. Drake.
- 192** **Title of the work:** Impact of man's recent activities on the Ebro margin sedimentation system. (Northwestern Mediterranean Sea).
Name of the conference: American Geophysical Union Spring Meeting
City of event: Baltimore., United States of America
Date of event: 1990
A. Palanques, A. Maldonado, F. Plana.
- 193** **Title of the work:** Microtidal influence in the Ebro River salt wedge (Northwestern Mediterranean)
Name of the conference: Rapport de la Commission Internationale pour l'exploration scientifique de la Mer Méditerranée (CIESM)
City of event: Perpignan, France
Date of event: 1990
J. Guillén, A. Palanques, J. Camp, J.I. Díaz.
- 194** **Title of the work:** Patterns and controls on the distribution of suspended particulate matter over the shelf and upper slope south of New England.
Name of the conference: American Geophysical Union Spring Meeting
City of event: Baltimore, United States of America



Date of event: 1990

A. Palanques, P.E. Biscaye.

- 195** **Title of the work:** Study of the sewage sludge discharged in the Barcelona nearshore area.
Name of the conference: Epicontinental Seas Environment Meeting.
City of event: Lille., France
Date of event: 1990
A. Palanques, J.I. Díaz, A. Maldonado.
- 196** **Title of the work:** The effects of damming and recent climatic changes on the sediment and water discharge of the Ebro River (Northwestern Mediterranean).
Name of the conference: Rapport de la Commission Internationale pour l'exploration scientifique de la Mer Méditerranée (CIESM),
City of event: Perpignan, France
Date of event: 1990
A. Palanques, J. Guillén, J. Camp.
- 197** **Title of the work:** Subsea Landscape of Valencia Trough
Name of the conference: 28th International Geological Congress.
City of event: Washington, United States of America
Date of event: 1989
W.B.F. Ryan, C.G. McHugh, S. O'Connell, A. Maldonado, A. Palanques.
- 198** **Title of the work:** Impacto ambiental de los vertidos del emisario submarino de la planta depuradora de Barcelona.
Name of the conference: Congreso Geológico de España.
City of event: Granada, Spain
Date of event: 1988
City organizing entity: Granada, Spain
A. Checa, J.I. Díaz, S. Giró, A. Palanques, A. Maldonado.
- 199** **Title of the work:** Metales pesados en los sedimentos superficiales y en las partículas en suspensión del estuario del Guadalquivir un mes después del vertido de Aznalcóllar. Factores hidrodinámicos que regulan su descarga.
Name of the conference: Jornadas Científicas de Doñana.
City of event: Doñana, Spain
Date of event: 1988
A. Palanques, J. Guillén, P. Puig, X. Querol, A. Alastuey (1998).
- 200** **Title of the work:** Determinación y dinámica de los metales pesados asociados a la materia particulada en suspensión y a los sedimentos de fondo del margen continental del Ebro.
Name of the conference: II Congreso de Geoquímica de España.
City of event: Soria., Spain
Date of event: 1987
A. Palanques.
- 201** **Title of the work:** Distribution des suspensions sur le plateau du delta de l'Ebre.
Name of the conference: Colloque International d'oceanologie ENTIDAD: C.I.E.S.M.
City of event: Perpignan., France
Date of event: 1987
A. Palanques, D. Drake.



- 202** **Title of the work:** Quantitative analysis of clay minerals in a modern sedimentary basin.
Name of the conference: The sixth meeting of the European clay groups.
City of event: Sevilla., Spain
Date of event: 1987
A. Palanques, F. Plana, J. Rius.1987.
- 203** **Title of the work:** Dinámica de la materia particulada en el Golfo de Cádiz.
Name of the conference: XI Congreso Español de Sedimentología.
City of event: Barcelona, Spain
Date of event: 1986
A. Palanques, F. Plana, A. Maldonado.
- 204** **Title of the work:** Sedimentación de lodos al sur del Delta del Ebro.
Name of the conference: XI Congreso Español de Sedimentología.
City of event: Barcelona, Spain
Date of event: 1986
H. Nelson, A. Maldonado, D. Drake, A. Palanques, M.E. Field, J.V. Gardner, J.I. Díaz, M. Farrán, D.B.
- 205** **Title of the work:** Depositional environment processes of a distal fan variant: the Valencia fan.
Name of the conference: 6th European Regional Meeting of Sedimentology ENTIDAD: I.A.S.
City of event: Lérida, Spain
Date of event: 1985
A. Maldonado, A. Palanques, B. Alonso, K. Kastens, H. Nelson, S, O'Connell, W.B.F. Ryan.
- 206** **Title of the work:** Factors controlling Ebro deep-sea fan growth, Mediterranean Sea.
Name of the conference: G.S.A. Meeting
City of event: Orlando, United States of America
Date of event: 1985
H. Nelson, A. Maldonado, B. Alonso, A. Palanques, W.B.F. Ryan, K. Kastens, S. O'Connell.
- 207** **Title of the work:** Recent Sedimentation in the Valencia Valley (Northwestern Mediterranean).
Name of the conference: 6th European Regional Meeting of Sedimentology ENTIDAD: I.A.S.
City of event: Lérida, Spain
Date of event: 1985
S. O'Connell, B. Alonso K. Kastens, A. Maldonado, H. Nelson, A. Palanques, W.B.F. Ryan.
- 208** **Title of the work:** Sedimentary processes and outcrop geology of the western strait Gibraltar sill, Northern sector.
Name of the conference: 6th European Regional Meeting of Sedimentology ENTIDAD: I.A.S.
City of event: Lérida, Spain
Date of event: 1985
A. Maldonado, J.I. Diaz, M. Farrán, S. Giró, A. Palanques, A. Vázquez.
- 209** **Title of the work:** Statistic definition of deep-sea mixed siliciclastic-calcaeous deposits.
Name of the conference: 6th European Regional Meeting of Sedimentology ENTIDAD: I.A.S.
City of event: Lérida, Spain
Date of event: 1985
A. Palanques, B. Alonso, A. Maldonado.



- 210** **Title of the work:** Sedimentología de las turbiditas de los sistemas deposicionales de la Fosa de Valencia. Ilustre Colegio Oficial de Geólogos (ed.).
Name of the conference: I Congreso Español de Geología.
City of event: Segovia, Spain
Date of event: 1984
City organizing entity: Spain
Alberto Palanques; Andrés Maldonado.
- 211** **Title of the work:** Caracterización de los aportes terrígenos y urbanos en el área metropolitana de Barcelona.
Name of the conference: X Congreso Nacional de Sedimentología.
City of event: Mahon, Spain
Date of event: 1983
J.I. Díaz, A. Palanques, A. Maldonado.
- 212** **Title of the work:** La Fosa de Valencia. Un sistema deposicional profundo alimentado por aportes longitudinales y transversales.
Name of the conference: X Congreso Nacional de Sedimentología.
City of event: Mahon, Spain
Date of event: 1983
A. Palanques, A. Maldonado.
- 213** **Title of the work:** La superficie de erosión y las evaporitas del Messiniense en el sector septentrional de la Fosa de Valencia.
Name of the conference: X Congreso Nacional de Sedimentología
City of event: Ciudadela, Spain
Date of event: 1983
City organizing entity: Mahon, Spain
A. Palanques, A. Maldonado.
- 214** **Title of the work:** Modelos sedimentarios de abanicos submarinos en el Mediterráneo noroccidental.
Name of the conference: X Congreso Nacional de Sedimentología.
City of event: Mahon, Spain
Date of event: 1983
A. Maldonado; B. Alonso; H. Got; A. Monaco; H. Nelson; A. Palanques; Ruiz-Ortiz.

Works submitted to national or international seminars, workshops and/or courses

- 1** **Title of the work:** Participante y conferenciante invitado a la Jornada en relación con el problema de los lodos tóxicos del embalse de Flix
Name of the event: Fòrum Flix 2011
City of event: Flix, Catalonia, Spain
Date of event: 28/06/2011
- 2** **Title of the work:** conferenciante invitado en la Mesa redonda sobre Geología Marina . Las Palmas de Gran Canaria. 18 Julio 2008
Name of the event: VII CONGRESO GEOLÓGICO DE ESPAÑA
City of event: Las Palmas de Gran Canarias, Canary Islands, Spain
Date of event: 18/07/2008



- 3** **Title of the work:** Conferencia invitada "Control climático de los flujos sedimentarios."
Date of event: 15/05/2008
Organising entity: Universidade de Vigo **Type of entity:** University
- 4** **Title of the work:** Conferencia invitada para presentar el problema de los fangos contaminados del Embalse de Flix y su remediación
City of event: Barcelona, Catalonia, Spain
Date of event: 09/05/2007
Organising entity: Facultad de Ciencias Ambientales
- 5** **Title of the work:** Conferencia invitada "Dinámica del sedimento contaminado en medios fluviales y costeros".
Name of the event: III Jornada de Descontaminación de Suelos i Acuíferos. ECO CITY
Date of event: 27/02/2007
City organizing entity: Barcelona, Catalonia, Spain
- 6** **Title of the work:** Conferencia de divulgación de la problemática de los residuos acumulados en Flix.
Name of the event: Seminarios ICM
Date of event: 14/01/2005
Organising entity: Instituto de Ciencias del Mar **Type of entity:** State agency
- 7** **Title of the work:** Debate de la problemática de los residuos acumulados en Flix (CSIC)
Name of the event: Seminarios ICM
Date of event: 30/11/2004
Organising entity: organización medioambiente APROMA
City organizing entity: Barcelona, Catalonia, Spain
- 8** **Title of the work:** Conferencia de divulgación de la problemática de los residuos acumulados en Flix.
Date of event: 30/10/2004
Organising entity: Facultad de Geología **Type of entity:** University Centres and Structures and Associated Bodies
- 9** **Title of the work:** Conferencia de divulgación de la problemática de los residuos acumulados en Flix.
Date of event: 23/10/2004
Organising entity: Universitat de Barcelona **Type of entity:** University
- 10** **Title of the work:** Conferencia de divulgación y rueda de prensa de la problemática de los residuos acumulados en Flix
Date of event: 15/10/2004
Organising entity: Generalitat de Catalunya **Type of entity:** Gobierno autonómico
- 11** **Title of the work:** Conferencia de divulgación de la problemática de los residuos acumulados en Flix
City of event: Flix, Catalonia, Spain
Date of event: 05/08/2004
Organising entity: Ayuntamiento de Flix
- 12** **Title of the work:** Conferencia de divulgación de la problemática de los residuos acumulados en Flix.
Date of event: 12/2003
Organising entity: Universitat Autònoma de Barcelona **Type of entity:** University



- 13** **Title of the work:** Conferencia sobre los efectos de la pesca de arrastre en el sedimento de zonas fangosas
Name of the event: Seminarios
Date of event: 05/2001
Organising entity: Instituto de Ciencias del Mar **Type of entity:** State agency
- 14** **Title of the work:** Conferencia invitada titulada "Optical techniques to measure suspended matter"
Name of the event: Curso: Measuring and modelling of sediment transport processes
City of event: Bergen, Norway
Date of event: 05/2000
Organising entity: Aanderaa Instruments
City organizing entity: Norway
- 15** **Title of the work:** Conferencia acerca de la distribución y evolución histórica de metales pesados en el área costera de Barcelona,
Name of the event: Seminarios ICM
Date of event: 1998
Organising entity: Instituto de Ciencias del Mar **Type of entity:** State agency
- 16** **Title of the work:** Conferencia sobre los efectos del accidente de Aznalcollar en el estuario del Guadalquivir
Name of the event: Seminarios ICM
Date of event: 1998
Organising entity: Instituto de Ciencias del Mar **Type of entity:** State agency
- 17** **Title of the work:** Cursos acerca de la geología de los abanicos submarinos durante la campaña TREDMAR realizada en el Mediterráneo Noroccidental para estudiantes postgraduados de ciencias marinas
Name of the event: TREDMAR
Date of event: 1993
Organising entity: UNESCO
- 18** **Title of the work:** Conferencia sobre la influencia de los procesos hidrodinámicos i biológicos en la dinámica del sedimento fino.
Name of the event: Seminarios ICM
Date of event: 04/1991
Organising entity: Instituto de Ciencias del Mar **Type of entity:** State agency

R&D management and participation in scientific committees

Organization of R&D activities

- 1** **Title of the activity:** Industrial Pollution in rivers. Effects on water Quality, biota and agriculture
Type of activity: International Workshop **Geographical area:** European Union
Convening entity: Generalitat de Catalunya **Type of entity:** gobierno autonómico
Start-End date: 06/02/2008 - 08/02/2008 **Duration:** 3 days
- 2** **Title of the activity:** Primeras Jornadas del Proyecto “Estudio de la movilidad de los metales pesados, compuestos organoclorados y radionúclidos del Embalse de Flix y de su acumulación en las cadenas tróficas”
Type of activity: Jornadas **Geographical area:** National
Convening entity: Instituto de Ciencias del Mar **Type of entity:** State agency
Start-End date: 16/11/2005 - 17/11/2005 **Duration:** 2 days
- 3** **Title of the activity:** Cañones Submarinos
Type of activity: Workshop internacional (acompanying measure) **Geographical area:** European Union
Convening entity: Unión Europea
City convening entity: Sitges, Spain
Start-End date: 07/04/2002 - 10/04/2002 **Duration:** 4 days
- 4** **Title of the activity:** procesos en la interfase sedimento-agua”
Type of activity: workshop **Geographical area:** European Union
Convening entity: Simposio sobre el Margen Continental Iberico Atlantico
City convening entity: Faro, Portugal
Start-End date: 25/09/2000 - 27/09/2000 **Duration:** 2 days
- 5** **Title of the activity:** Meeting final del Proyecto de la CEE “Flujos across narrow shelves” 1998
Type of activity: Reunión científica **Geographical area:** European Union
Convening entity: Instituto de Ciencias del Mar **Type of entity:** State agency
Start-End date: 09/11/1998 - 12/11/1998 **Duration:** 4 days
- 6** **Title of the activity:** Curso titulado "Flujos y procesos de transferencia de material particulado entre el continente y el mar profundo.
Type of activity: Curso **Geographical area:** National
Convening entity: Instituto de Ciencias del Mar **Type of entity:** State agency
Start-End date: 10/06/1991 - 14/06/1991 **Duration:** 5 days



Evaluation and revision of R&D projects and articles

- 1** **Name of the activity:** Presidente Tribunal Oposición
Performed tasks: Presidente del Tribunal número 312 correspondiente a la convocatoria a la convocatoria del proceso selectivo para el nombramiento de funcionarios en la escala de Científicos Titulares del CSIC, especialidad "Oceanografía y Bioeconomía Costera"
Entity where activity was carried out: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Start date: 2006
- 2** **Name of the activity:** Presidente Tribunal Oposición
Performed tasks: Presidente del Tribunal número 39 correspondiente a la convocatoria a la convocatoria del proceso selectivo para el nombramiento de 100 funcionarios en la escala de Científicos Titulares del CSIC, especialidad "Procesos sedimentarios actuales en el medio marino"
Entity where activity was carried out: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Start date: 2004
- 3** **Name of the activity:** Tribunal Oposición
Performed tasks: Vocal titular del tribunal número 88 correspondiente a la convocatoria del proceso selectivo para el nombramiento de funcionarios en la escala de Científicos Titulares del CSIC, especialidad "Química orgánica"
Entity where activity was carried out: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Start date: 2001
- 4** **Name of the activity:** Tribunal Oposición
Performed tasks: Vocal titular del tribunal número 33 correspondiente a la convocatoria del proceso selectivo para el nombramiento de 145 funcionarios en la escala de Científicos Titulares del CSIC, especialidad "Sedimentología Marina Reciente" y "Sedimentología ambiental de lagos y embalses"
Entity where activity was carried out: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Start date: 2000
- 5** **Name of the activity:** Tribunal Oposición
Performed tasks: Vocal titular del tribunal número 34 correspondiente a la convocatoria del proceso selectivo para el nombramiento de 55 funcionarios interinos en la escala de Colaboradores Científicos del CSIC, especialidad "Sedimentología Marina Reciente" año 1998.
Entity where activity was carried out: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Start date: 1998
- 6** **Performed tasks:** Evaluador de la Agencia de Gestión de Ayudas Universitarias y de Investigación (AGAUR).
Entity where activity was carried out: AGENCIA DE GESTIO D'AJUTS UNIVERSITARIS I DE RECERCA
City of entity: Catalonia, Spain
Start date: 1997
- 7** **Performed tasks:** Evaluador de proyectos de la Agencia Nacional de Evaluación y Prospectiva
Entity where activity was carried out: Agencia Nacional de Evaluación y Prospectiva **Type of entity:** Agencia



Start date: 1994

8 Name of the activity: Tribunal Oposición

Performed tasks: Vocal titular del tribunal número 11 correspondiente a la convocatoria del Concurso-Oposición libre para cubrir plaza de la Escala 5404 Colaboradores Científicos del CSIC, especialidad "Procesos oceánicos y litorales"

Entity where activity was carried out: Consejo Superior de Investigaciones Científicas

Type of entity: State agency

Start date: 1994

9 Performed tasks: Editor científico adjunto de la revista científica "Scientia Marina"

Entity where activity was carried out: Instituto de Ciencias del Mar

Type of entity: State agency

10 Performed tasks: Revisor de artículos en la revista Chemosphere

11 Performed tasks: Revisor de artículos en la revista Continental Shelf Research

12 Performed tasks: Revisor de artículos en la revista Deep Sea Research

13 Performed tasks: Revisor de artículos en la revista Journal of Marine System

14 Performed tasks: Revisor de artículos en la revista Limnology and Oceanography

15 Performed tasks: Revisor de artículos en la revista Marine Chemistry

16 Performed tasks: Revisor de artículos en la revista Marine Geology

17 Performed tasks: Revisor de artículos en la revista Progress in Oceanography

18 Performed tasks: Revisor de artículos en la revista Scientia Marina

19 Performed tasks: Revisor de artículos en la revista Sedimentology

20 Performed tasks: Revisor de artículos en la revista The Science of the Total Environment



21 Performed tasks: Revisor de artículos en la revista Water Research

22 Performed tasks: Revisor de artículos para la revistas Oceanológica Acta

Other achievements

Stays in public or private R&D centres

- 1 Entity:** Netherlands Institute for Sea Research. **Type of entity:** R&D Centre
City of entity: Texel., Holland
Start-End date: 01/10/1987 - 15/11/2087 **Duration:** 1 month - 15 days
Name of programme: Técnicas de análisis de difracción de rayos X.
Goals of the stay: Post-doctoral
- 2 Entity:** Lamont Doherty Geological Observatory **Type of entity:** R&D Centre
Faculty, institute or centre: Universidad de Columbia
City of entity: Palisades, United States of America
Start-End date: 01/12/1987 - 31/08/1999 **Duration:** 1 year - 9 months
Name of programme: Procesos dinámico-sedimentarios y difusión de los contaminantes en el medio marino.
Goals of the stay: Post-doctoral
- 3 Entity:** U.S. Geological Survey, Menlo Park (Marine Science). **Type of entity:** R&D Centre
City of entity: Menlo Park, United States of America
Start-End date: 01/06/1987 - 31/07/1987 **Duration:** 2 months
Name of programme: Dinámica sedimentaria en el margen continental del Ebro.
Goals of the stay: Post-doctoral

Obtained grants and scholarships

- 1 Name of the grant:** Concesión de Ayudas como Grupo de Investigación de Calidad reconocido por la Generalitat de Cataluña. "Grupo de Procesos Litorales y Oceánicos
Awarding entity: Generalitat de Catalunya **Type of entity:** Gobierno autonómico
Conferral date: 2014 **Duration:** 4 years
End date: 2017
- 2 Name of the grant:** Concesión de Ayudas como Grupo de Investigación de Calidad reconocido por la Generalitat de Cataluña. "Grupo de Procesos Litorales y Oceánicos
Awarding entity: Generalitat de Catalunya **Type of entity:** Gobierno autonómico
Conferral date: 2009 **Duration:** 4 years
End date: 2013



- 3** **Name of the grant:** Concesión de Ayudas como Grupo de Investigación de Calidad reconocido por la Generalitat de Cataluña. "Grupo de Procesos Litorales y Oceánicos"
Awarding entity: Generalitat de Catalunya **Type of entity:** Gobierno autonómico
Conferral date: 2005 **Duration:** 4 years
End date: 2008
- 4** **Name of the grant:** Concesión de Ayudas como Grupo de Investigación de Calidad reconocido por la Generalitat de Cataluña. "Grupo de Procesos Litorales y Oceánicos"
Awarding entity: Generalitat de Catalunya **Type of entity:** Gobierno autonómico
Conferral date: 2002 **Duration:** 3 years
End date: 2004
- 5** **Name of the grant:** Concesión de Ayudas como Grupo de Investigación de Calidad reconocido por la Generalitat de Cataluña. "Grupo de Procesos Litorales y Oceánicos"
Awarding entity: Generalitat de Catalunya **Type of entity:** Gobierno autonómico
Conferral date: 2000 **Duration:** 2 years
End date: 2001
- 6** **Name of the grant:** Concesión de Ayudas como Grupo de Investigación de Calidad reconocido por la Generalitat de Cataluña. "Grupo de Procesos Litorales y Oceánicos"
Awarding entity: Generalitat de Catalunya **Type of entity:** Gobierno autonómico
Conferral date: 1998 **Duration:** 2 years
- 7** **Name of the grant:** Concesión de Ayudas como Grupo de Investigación de Calidad reconocido por la Generalitat de Cataluña. "Grupo de Procesos Litorales y Oceánicos"
Awarding entity: Generalitat de Catalunya **Type of entity:** Gobierno autonómico
Conferral date: 1997 **Duration:** 1 year
- 8** **Name of the grant:** Ayuda para la organización de un curso
Aims: curso
Awarding entity: "Comissió Interdepartamental de Recerca i Investigació Tecnològica" CIRIT
Conferral date: 1991
- 9** **Name of the grant:** Concesión de una bolsa para la compra de material científico por valor de 7 millones de pesetas dentro de la convocatoria PRAE.
Awarding entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Conferral date: 1990
- 10** **Name of the grant:** Ayuda para una estancia de corta duración al extranjero.
Aims: Post-doctoral
Awarding entity: "Comissió Interdepartamental de Recerca i Investigació Tecnològica" CIRIT
Conferral date: 1987 **Duration:** 2 months



Scientific societies and professional associations

- 1 Name of the society:** American Geophysical Union
Start date: 1990
- 2 Name of the society:** Sociedad Geológica de España
Start date: 1990
- 3 Name of the society:** International Association of Sedimentologist
Start date: 1985
- 4 Name of the society:** European Geophysical Society

Co-operation networks

Name of the network: - Miembro de la Red Temática sobre “Procesos hidrodinámicos y sedimentarios en el litoral”.

Periods of research activity

Nº of recognized periods: 4

Certifying entity: Ministerio de Ciencia e Innovación. **Type of entity:** Ministerio Investigación

Summary of other achievements

- 1 Description of the achievement:** - Divulgación en Radio Nacional de España, Radio Barcelona, Radio Tarragona, Cadena SER de la problemática de los residuos acumulados en Flix. Septiembre 2004.
- 2 Description of the achievement:** - Divulgación en telenoticias de TVE1, TV3, TV5, Antena 3 de la problemática de los residuos acumulados en Flix. Septiembre 2004
- 3 Description of the achievement:** - Divulgación por televisión en dos programas en “Punt Omega” del Canal 33 sobre los cañones submarinos. 2001-2002
- 4 Description of the achievement:** - Investigador responsable del “Grupo de Procesos Litorales y Oceánicos”, grupo de calidad consolidado en el marco del Plan de Investigación de Cataluña las convocatorias 2000-2002 (2000/SRG 00107), 2002-2004 (2002/SRG 00107), 2005-2008 (2005/SRG 00919) y 2009-20013 (2009 SGR 899)



- 5 Description of the achievement:** - Jefe de campañas de recogida de testigos de sedimento en el embalse de Flix (río Ebro). Mayo 2000.
- 6 Description of the achievement:** - Jefe de la Campaña FLUXALB I, que se desarrolló en el margen continental del Mar de Alborán, en la zona del Guadiaro, en Octubre de 1997. Instalación de anclajes con trampas de sedimento transmisómetros y correntímetros, CTD+fluorómetro transmisómetro. Toma de muestras de agua para materia en suspensión, y cocolitos. Toma de muestras de material en suspensión con bomba de filtración "in situ" de alto volumen. Toma de muestras de sedimento con testigos de gravedad y maxicorer.
- 7 Description of the achievement:** - Jefe de la Campaña FLUXALB II, que se desarrolló en el margen continental del Mar de Alborán, en la zona del Guadiaro, en el estrecho de Gibraltar, Golfo de Cádiz y Estuario del Guadalquivir en Mayo de 1998. Recuperación y reinstalación de anclajes con trampas de sedimento transmisómetros y correntímetros, CTD+fluorómetro transmisómetro. Toma de muestras de agua para materia en suspensión y metales. Toma de muestras de material en suspensión con bomba de filtración in situ de alto volumen para radionúclidos. Toma de muestras de sedimento con testigos de gravedad y maxicorer.
- 8 Description of the achievement:** - Jefe de la Campaña FLUXALB III, que se desarrolló en el margen continental del Mar de Alborán, en la zona del Guadiaro, en el estrecho de Gibraltar, Golfo de Cádiz y Estuario del Guadalquivir en Octubre de 1998. Recuperación de anclajes con trampas de sedimento transmisómetros y correntímetros, CTD+fluorómetro transmisómetro. Toma de muestras de agua para materia en suspensión y metales. Toma de muestras de material en suspensión con bomba de filtración in situ de alto volumen para radionúclidos. Toma de muestras de sedimento con testigos de gravedad y maxicorer.
- 9 Description of the achievement:** - Jefe de la campaña CAÑONES I. Instalación de anclajes con correntímetros, trampas de sedimento, y turbidímetros + estaciones de CTD+T+F con toma de muestras de agua y registro de perfiles de corrientes con ADCP. Marzo de 2001.
- 10 Description of the achievement:** - Jefe de la campaña CAÑONES III. Recogida e instalación de anclajes con correntímetros, trampas de sedimento, y turbidímetros + estaciones de CTD+T+F con toma de muestras de agua y registro de perfiles de corrientes con ADCP. Julio de 2001.
- 11 Description of the achievement:** - Jefe de la campaña CAÑONES IV. Recogida de anclajes con correntímetros, trampas de sedimento, y turbidímetros + estaciones de CTD+T+F con toma de muestras de agua y registro de perfiles de corrientes con ADCP. Noviembre de 2001.
- 12 Description of the achievement:** - Jefe de la campaña FANS I, que se desarrolló en el margen continental del Delta del Ebro en Noviembre de 1996. Instalación de anclajes con transmisómetros y correntímetros, CTD+fluorómetro transmisómetro. Toma de muestras de agua para materia en suspensión, nutrientes, clorofilas y oxígenos.
- 13 Description of the achievement:** - Jefe de la campaña FANS III, que se desarrolló en el margen continental del Delta del Ebro en Julio de 1997. Instalación de anclajes con transmisómetros y correntímetros, CTD+fluorómetro transmisómetro. Toma de muestras de agua para materia en suspensión, nutrientes, clorofilas y oxígenos.
- 14 Description of the achievement:** - Jefe de la campaña HERMES II . Recogida e instalación de anclajes con correntímetros, trampas de sedimento, y turbidímetros + estaciones de CTD+T+F con toma de muestras de agua. Pescas de plancton. Abril de 2006.



- 15 Description of the achievement:** - Jefe de la campaña HERMES III. Recogida de anclajes con correntímetros, trampas de sedimento, y turbidímetros + estaciones de CTD+T+F con toma de muestras de agua. Pescas de plancton. Octubre 2006
- 16 Description of the achievement:** - Jefe de la campaña RIA DE HUELVA. Instalación de anclajes con correntímetros y turbidímetros + estaciones de CTD+T+F con toma de muestras de sedimento (testigos HASP y dragas) de agua y registro de perfiles de corrientes con ADCP. 2002.
- 17 Description of the achievement:** - Jefe de la campaña SEDMET I. Instalación de trípodes instrumentados con correntímetros, trampas de sedimento, y turbidímetros + estaciones de CTD+T+F con toma de muestras de agua y toma de testigos sedimentarios. Septiembre de 2007.
- 18 Description of the achievement:** - Jefe de la campaña SEDMET II Recogida y reinstalación de trípodes instrumentados con correntímetros, trampas de sedimento, y turbidímetros + estaciones de CTD+T+F con toma de muestras de agua y toma de testigos sedimentarios. Noviembre 2007.
- 19 Description of the achievement:** - Jefe de la campaña SEDMET III, Marzo 2008. Recogida y reinstalación de trípodes instrumentados con correntímetros, trampas de sedimento, y turbidímetros + estaciones de CTD+T+F con toma de muestras de agua y toma de testigos sedimentarios. Marzo 2008.
- 20 Description of the achievement:** - Jefe de la campaña SEDMET IV. Recogida de trípodes instrumentados con correntímetros, trampas de sedimento, y turbidímetros + estaciones de CTD+T+F con toma de muestras de agua y toma de testigos sedimentarios. Junio 2008.
- 21 Description of the achievement:** - Jefe de la campaña oceanográfica GC-93-1 desarrollada en el margen continental de Barcelona. Instalación de anclajes con correntímetros, transmisómetros y trampas de sedimento. Extracción de Testigos sedimentarios. Se realizó a bordo del buque oceanográfico García del Cid del 20 al 29 de abril de 1993
- 22 Description of the achievement:** - Jefe de la campaña oceanográfica GC-93-3 desarrollada en el margen continental de Barcelona. Instalación de anclajes con correntímetros, transmisómetros y trampas de sedimento. Se realizó a bordo del buque oceanográfico García del Cid del 22 al 26 de octubre de 1993.
- 23 Description of the achievement:** - Jefe de la campaña oceanográfica GC-94-1 desarrollada en el margen continental de Barcelona y el margen balear. Instalación de anclajes con correntímetros, transmisómetros y trampas de sedimento. Extracción de Testigos sedimentarios. Se realizó a bordo del buque oceanográfico García del Cid del 4 y el 9 de Mayo de 1994.
- 24 Description of the achievement:** - Jefe de la campaña que tuvo lugar en el Pacífico Sur a bordo del BIO Hespérides en marzo de 1996. Toma de testigos de sedimentos.
- 25 Description of the achievement:** - Jefe de la campaña que tuvo lugar en el río Ebro (embalse del Flix) en mayo de 1995. Toma de muestras superficiales de sedimento.
- 26 Description of the achievement:** - Jefe de la campaña que tuvo lugar en el río Ebro (embalse del Flix) entre el 27 y el 30 de junio de 1994. Registro de perfiles sísmicos de alta resolución y sonografías. Toma de muestras superficiales de sedimento.
- 27 Description of the achievement:** - Miembro de la Comisión de Técnica para la remediación de los residuos del Embalse de Flix en representación del CSIC. Otras instituciones son Ministerio de Medio Ambiente, Confederación Hidrográfica del Ebro, Conselleria del Medi Ambient, FECSA-ENDESA. Desde 2004.



- 28 Description of the achievement:** - Miembro del Grupo Consultivo del Comité Organizador del Network sobre "Advanced Study Workshops on Mediterranean Marine Geosciences" de la European Science Foundation para investigar los abanicos submarinos en el Mediterráneo Occidental en el cuadro del Programa TREDMAR de la Unesco y ESF 1994-95.
- 29 Description of the achievement:** - Organizador de las reuniones plenarias del del Proyecto titulado "Dinámica de los flujos de Partículas y contaminantes inorgánicos, transferencia continente-océano". Instituto de Ciencias del Mar. 1992-1995.
- 30 Description of the achievement:** - Organizador de las reuniones plenarias del del proyecto titulado "Flujos sedimentarios asociados al intercambio en zonas de mares semicerrados y frentes". Instituto de Ciencias del Mar. 1996-1999.
- 31 Description of the achievement:** - Organizador del 5º Ejercicio de Intercomparación sobre microanálisis elemental orgánico 2002.
- 32 Description of the achievement:** - Organizador del 6º Ejercicio de Intercomparación sobre microanálisis elemental orgánico 2003.
- 33 Description of the achievement:** - Organizador del 7º Ejercicio de Intercomparación sobre microanálisis elemental orgánico 2004.
- 34 Description of the achievement:** - Organizador del 8º Ejercicio de Intercomparación sobre microanálisis elemental orgánico 2005.
- 35 Description of the achievement:** - Organizador y presentador de una mesa redonda sobre la calidad ambiental de nuestras costas durante la Semana de la Ciencia y la Tecnología. Noviembre 2001.
- 36 Description of the achievement:** - Participación en Conferencia de Prensa en el Cosmo-Caixa sobre el artículo publicado en la revista Nature "FLUSHING SUBMARINE CANYONS" que trata sobre Cascadas submarinas i sus consecuencias extraordinarias. 16-11-2006
- 37 Description of the achievement:** - Participación en programa de radio (OM RÀDIO ("La Malla Ràdio", Mònica Lòpez) sobre el artículo publicado en la revista Nature "FLUSHING SUBMARINE CANYONS" que trata sobre Cascadas submarinas i sus consecuencias extraordinarias. 16-11-2006.
- 38 Description of the achievement:** - Participación en programa de radio RNE (Olga Viza) sobre el artículo publicado en la revista Nature "FLUSHING SUBMARINE CANYONS" que trata sobre Cascadas submarinas i sus consecuencias extraordinarias. 16-11-2006.
- 39 Description of the achievement:** - Participación en programa de radio sobre el cambio de los fondos marinos inducido por actividades humanas. 28 Junio 2006
- 40 Description of the achievement:** - Presidente del Tribunal de la Tesis Doctoral de Sergi Soriano "Influència de les comunitats bentòniques sobre el sediment al litoral del Delta de l'Ebre" dirigida por el Dr Jorge Gullén. Leída el 20 de Junio de 2004.
- 41 Description of the achievement:** - Profesor de cursos avanzados del "Marine Science and Technology program" impartidos en la Universidad Politécnica de Cataluña. 28-9 de Julio 1999.



- 42 Description of the achievement:** - Representante del Instituto de Ciencias del Mar en el Programa de doctorado de Ciencias Marinas desde 2005.
- 43 Description of the achievement:** - Representante español en la reunión científica Hispano-Inglesa titulada "Oceanography at the Shelf Break" que tuvo lugar en Mallorca. 1994.
- 44 Description of the achievement:** - Secretario titular del Tribunal de la Tesis Doctoral de Jorge Guillén Aranda con el título "Dinámica y balance sedimentario en los ambientes fluvial y litoral del Delta del Ebro" dirigida por el Dr. Andrés Maldonado López. Leída en 1992.
- 45 Description of the achievement:** - Vocal suplente del Tribunal de la Tesis Doctoral de Elisa García titulada "Aplicación de un perfilado acústico por efecto doppler a la medida de corrientes marinas en el Mediterráneo Occidental" dirigida por el Dr. Jordi Font. Leída en 1997.
- 46 Description of the achievement:** - Vocal titular del Tribunal de Tesis de Licenciatura de Pere Masqué Barri, titulada "Introducción a la datación de sedimentos marinos con la técnica del 210Pb." dirigida por el Dr. Joan Albert Sánchez Cabeza. Leída en 1996.
- 47 Description of the achievement:** - Vocal titular del Tribunal de la Tesis Doctoral de Andrés Rodríguez con el título "Estudio experimental de la hidrodinámica en zona de rompientes" dirigida por el Dr. Agustín Sánchez-Arcilla. Leída en 1997.
- 48 Description of the achievement:** - Vocal titular del Tribunal de la Tesis Doctoral de Carlota Montori titulada "Sistema de drenaje de playas. Investigación y desarrollo" dirigida por el Dr Jordi Serra. Leída el 20 de Junio de 2002.
- 49 Description of the achievement:** - Vocal titular del Tribunal de la Tesis Doctoral de Chloé Dumas "Impact of extreme events on particulate trace metal transfer from the continent to the deep sea" dirigida por el Dr W. Ludwig, i el Dr D. Aubert. Leída el 2 de Junio de 2014.
- 50 Description of the achievement:** - Vocal titular del Tribunal de la Tesis Doctoral de Cristina Maldonado titulada "Estudio del transporte, distribución y acumulación de los contaminantes orgánicos en el medio marino", Dirigida por el Dr. Josep M^a Bayona. Leída el 14 de Septiembre de 1999.
- 51 Description of the achievement:** - Vocal titular del Tribunal de la Tesis Doctoral de David Amblàs "Morfofodinàmica sedimentària de marges continentals passius silicoclàstics" dirigida por el Dr Miquel Canals i el Dr Roger Urgeles. Leída el 13 de Septiembre de 2012.
- 52 Description of the achievement:** - Vocal titular del Tribunal de la Tesis Doctoral de Diana Zúñiga "Flujos biogeoquímicos y procesos de sedimentació reciente en la cuenca Argelino-Balear" dirigida por el Dr Antoni Calafat. Leída el 2 de Febrero de 2007.
- 53 Description of the achievement:** - Vocal titular del Tribunal de la Tesis Doctoral de Eva Calvo titulada "Reconstrucción de las condiciones climáticas del Atlántico norte durante los dos ciclos glacial-interglacial mediante biomarcadores moleculares". Dirigida por el Dr Joan Grimalt. Leída el 13 de Septiembre de 2001.
- 54 Description of the achievement:** - Vocal titular del Tribunal de la Tesis Doctoral de Isaac Andrés Azuz Adeath titulada "Modelo morfodinámico de evolución del fondo en zona costera" dirigida por el Dr. Agustín Sánchez-Arcilla. Leída en 1997.



- 55 Description of the achievement:** - Vocal titular del Tribunal de la Tesis Doctoral de Jordi Dachs con el título Dinámica de los contaminantes orgánicos y de los trazadores moleculares en la columna de agua del Mediterráneo dirigida por el Dr. Josep M. Bayona. Leída en 1997.
- 56 Description of the achievement:** - Vocal titular del Tribunal de la Tesis Doctoral de Marina Higuera "Impact of eastern storm on the transfer of particulate organic matter into the Gulf of Lion (NW Mediterranean Sea)" dirigida por el Dr Phillippe Kerherve, i el Dr Antoni Calafat. Leída el 1 de Julio de 2014.
- 57 Description of the achievement:** - Vocal titular del Tribunal de la Tesis Doctoral de Natalie Durand titulada "Modelisation numérique tridimensionnelle du panache de l'Ebre". Dirigida por el Dr. P Fraunie. Leída el 19 de Diciembre de 2000.
- 58 Description of the achievement:** - Vocal titular del Tribunal de la Tesis Doctoral de Sergi Soriano "Development of a morphodynamic numerical model" dirigida por el Dr Joan Pau Sierra y Agustín Sánchez Arcilla. Leída el 20 de Julio de 2005.
- 59 Description of the achievement:** -1991 Ayuda para asistir al 3 congreso de sedimentología Francés. "Comissió Interdepartamental de Recerca i Investigació Tecnològica" CIRIT.
- 60 Description of the achievement:** -Conferencia acerca de los abanicos profundos de Valencia y del Ebro en el "Centre d'Etudes et de Recherches Océanographiques de Villefranche-Sur-Mer" (Francia).
- 61 Description of the achievement:** -Conferencia sobre "Morfología y sedimentología de la parte profunda del Mar Catalano-Balear: aportaciones de la Campaña TREDMAR" impartida en el Instituto de Ciencias del Mar de Barcelona.
- 62 Description of the achievement:** -Conferencia titulada "Preliminary ideas about sedimentation in the deeper Valencia Trough: a contribution for the deep sea knowledge", impartida en el Congreso de la C.I.E.S.M celebrado en Trieste (Italia).
- 63 Description of the achievement:** -Organizador del 2º Ejercicio de Intercomparación sobre microanálisis elemental orgánico 1999.
- 64 Description of the achievement:** -Organizador del 3º Ejercicio de Intercomparación sobre microanálisis elemental orgánico 2000.
- 65 Description of the achievement:** -Organizador del 4º Ejercicio de Intercomparación sobre microanálisis elemental orgánico 2001.
- 66 Description of the achievement:** -Representante de personal en la Junta del Instituto de Ciencias del Mar (1994-1999).
- 67 Description of the achievement:** Divulgación en los diarios El País, La Vanguardia, El Mundo, La razón, El periodico, El Diario de Tarragona de la problemática de los residuos acumulados en Flix. Septiembre 2004
- 68 Description of the achievement:** Divulgación en los diarios El País, La Vanguardia, El Mundo, La razón, El periodico, El Diario de Gerona, El diario de Extremadura y New Scientist sobre el artículo publicado en la revista Nature "FLUSHING SUBMARINE CANYONS" que trata sobre Cascadas submarinas i sus consecuencias extraordinarias de la problemática de los residuos acumulados en Flix. Noviembre 2006.