

## C.1 Participation in R&D calls

---

**Type of participation:** Coordinador científic

**Research groups :** (MC)2 - Grup de Mecànica Computacional en Medis Continus

**Code of funding body :** European Research Council

**Title:** On a free open source extreme scale finite element software (FEXFEM)

**Start date:** 01/03/2015

**End date:** 31/08/2016

**Duration:** 1 Year/s 6 Month/s

**Funding:** 149250.00 €

**Scope:** Europeu

**Participants:** 3

**Institution in which the research was undertaken:** Centre Internacional de Mètodes Numèrics en Enginyeria (CIMNE)

**Funding bodies:** European Research Council

**Participating institutions:**

**Head researcher:** Badia, S.

---

**Type of participation:** Investigador

**Research groups :** (MC)2 - Grup de Mecànica Computacional en Medis Continus

**Code of funding body :** 2014 SGR 1607

**Title:** Anàlisi numèrica i computació científica

**Start date:** 01/01/2014

**End date:** 31/12/2016

**Duration:** 3 Year/s

**Funding:** 21000.00 €

**Scope:** Autonòmic

**Participants:** 10

**Institution in which the research was undertaken:** Departament de Resistència dels Materials i Estructures en Enginyeria

**Funding bodies:** AGAUR. Agència de Gestió d'Ajuts Universitaris i de Recerca

**Participating institutions:**

**Head researcher:** Codina, R.

---

**Type of participation:** Coordinador científic

**Research groups :** (MC)2 - Grup de Mecànica Computacional en Medis Continus

**Code of funding body :**

**Title:** Multi-physics simulation of high temperature superconducting devices

**Start date:** 01/10/2014

**End date:** 31/03/2016

**Duration:** 1 Year/s 6 Month/s

**Funding:** 249784.00 €

**Scope:** Europeu

**Participants:** 3

**Institution in which the research was undertaken:** University of Edinburgh

**Funding bodies:** Unió Europea - FP7

**Participating institutions:**

**Head researcher:** Badia, S.

---

**Type of participation:** Investigador

**Research groups :** (MC)2 - Grup de Mecànica Computacional en Medis Continus

**Code of funding body :** European Union

**Title:** Numerical Methods and Tools for Key Exascale Computing Challenges in Engineering and Applied Sciences (NUMEXAS)

**Start date:** 01/10/2013

**End date:** 30/09/2016

**Duration:** 3 Year/s

**Funding:** 1670000.00 €

**Scope:** Europeu

**Participants:** 4

**Institution in which the research was undertaken:** Centre Internacional de Mètodes Numèrics en Enginyeria (CIMNE)

**Funding bodies:** European Commission

**Participating institutions:** Centre de Supercomputació de Catalunya (Cesca); National Technical University of Athens (NTUA); Centre Internacional de Mètodes Numèrics en Enginyeria (CIMNE); Leibniz Universität Hannover

**Head researcher:** Oñate, E.

---

**Type of participation:** Coordinador científic

**Research groups :** (MC)2 - Grup de Mecànica Computacional en Medis Continus

**Code of funding body :** ENE2011-285556

**Title:** Herramientas Computacionales para Interacción Sólido-Metal Líquido. Aplicación al diseño de módulos de ensayo de envoltura líquida (FUSSIM)

**Start date:** 01/01/2012

**End date:** 31/12/2014

**Duration:** 3 Year/s

**Funding:** 86400.00 €

**Scope:** Estatal

**Participants:** 4

**Institution in which the research was undertaken:** CIMNE

**Funding bodies:** Ministerio de Ciencia e Innovación

**Participating institutions:**

**Head researcher:** Badia, S.

---

**Type of participation:** Coordinador científic

**Research groups :** (MC)2 - Grup de Mecànica Computacional en Medis Continus

**Code of funding body :** 258443

**Title:** Computational Methods for Fusion Technology (COMFUS)

**Start date:** 01/01/2011

**End date:** 31/12/2015

**Duration:** 5 Year/s

**Funding:** 1320000.00 €

**Scope:** Europeu

**Participants:** 5

**Institution in which the research was undertaken:** CIMNE

**Funding bodies:** European Research Council

**Participating institutions:**

**Head researcher:** Badia, S.

---

**Type of participation:** Investigador

**Research groups :** (MC)2 - Grup de Mecànica Computacional en Medis Continus; TE - Tecnologia d'Estructures

**Code of funding body :** 2009 SGR 1510

**Title:** GRUP DE RESISTÈNCIA DE MATERIALS I ESTRUCTURES A L'ENGINYERIA

**Start date:** 30/09/2009

**End date:** 30/04/2014

**Duration:** 4 Year/s 7 Month/s 1 Day/s

**Funding:** 50960.00 €

**Scope:** Autonòmic

**Participants:** 18

**Institution in which the research was undertaken:** Departament de Resistència dels Materials i Estructures en Enginyeria

**Funding bodies:** AGAUR. Agència de Gestió d'Ajuts Universitaris i de Recerca

**Participating institutions:**

**Head researcher:** Oliver, J.

---

**Type of participation:** Investigador

**Research groups :** (MC)2 - Grup de Mecànica Computacional en Medis Continus

**Code of funding body :** CSD2008-00079 (CONSOLIDER)

**Title:** Fusion Technology Programme (TECNO\_FUS)

**Start date:** 02/01/2009

**End date:** 01/01/2014

**Duration:** 5 Year/s

**Funding:** 227737.00 €

**Scope:** Estatal

**Participants:** 6

**Institution in which the research was undertaken:** CIMNE

**Funding bodies:** Ministerio de Ciencia e Innovación

**Participating institutions:**

**Head researcher:** Sedano, L.

---

**Type of participation:** Coordinador científic

**Research groups :** (MC)2 - Grup de Mecànica Computacional en Medis Continus

**Code of funding body :** MICINN-08-CSD2008-00079

**Title:** Propuesta de Nuevo Programa de Tecnología de Fusión Termonuclear (TECNOFUS)

**Start date:** 15/12/2008

**End date:** 14/12/2013

**Duration:** 5 Year/s

**Funding:** 80000.00 €

**Scope:** Estatal

**Participants:** 4

**Institution in which the research was undertaken:** Centro de Investigaciones Energéticas, Medioambientales y Tecnológicas (CIEMAT)

**Funding bodies:** Ministerio de Ciencia e Innovación

**Participating institutions:** Centre Internacional de Mètodes Numèrics en Enginyeria (CIMNE)

**Head researcher:** Chiumenti, M.; Agelet De Saracibar, C.; Cervera, M.; Badia, S.

---

**Type of participation:** Investigador

**Research groups :** (MC)2 - Grup de Mecànica Computacional en Medis Continus

**Code of funding body :** PSE-420000-2008- 003

**Title:** NANOSOST: Hacia una nanotecnología responsable y segura.

**Start date:** 20/05/2008

**End date:** 31/12/2009

**Duration:** 1 Year/s 7 Month/s 12 Day/s

**Funding:** 246922.00 €

**Scope:** Estatal

**Participants:** 2

**Institution in which the research was undertaken:** CIMNE

**Funding bodies:** Ministerio de Ciencia e Innovación

**Participating institutions:**

**Head researcher:** Sempere, J.

---

**Type of participation:** Coordinador científic

**Research groups :** (MC)2 - Grup de Mecànica Computacional en Medis Continus

**Code of funding body :** 039522 - European Commission, Marie Curie Actions

**Title:** Towards a general approach to multiscale simulation and its application to nanotechnology (NANOSIM)

**Start date:** 01/12/2006

**End date:** 30/11/2009

**Duration:** 3 Year/s

**Funding:** 265388.26 €

**Scope:** Europeu

**Participants:** 1

**Institution in which the research was undertaken:** CIMNE

**Funding bodies:** European Commission

**Participating institutions:**

**Head researcher:** Badia, S.

---

**Type of participation:** Investigador

**Research groups :** (MC)2 - Grup de Mecànica Computacional en Medis Continus

**Code of funding body :** VEM2003-20069-C03-03

**Title:** Prediction of the heat transport by natural convection of fuel in wrecks. Hydrodynamic modellization and simulation (PRESTADOS)

**Start date:** 17/12/2003

**End date:** 16/12/2006

**Duration:** 3 Year/s

**Funding:** 23000.00 €

**Scope:** Estatal

**Participants:** 2

**Institution in which the research was undertaken:** Universitat Politècnica de Catalunya

**Funding bodies:** Ministerio de Ciencia y Tecnología

**Participating institutions:**

**Head researcher:** Codina, R.

---

**Type of participation:** Investigador

**Research groups :** (MC)2 - Grup de Mecànica Computacional en Medis Continus

**Code of funding body :** REN2003-09686-C03-02

**Title:** Desarrollo de un entorno informático para la gestión de datos y la visualización de resultados para modelos numéricos de transporte biofísico aplicados a la gestión de recursos pesqueros (FISHGID)

**Start date:** 15/12/2003

**End date:** 14/12/2004

**Duration:** 1 Year/s

**Funding:** 6900.00 €

**Scope:** Estatal

**Participants:** 2

**Institution in which the research was undertaken:** CIMNE

**Funding bodies:** Ministerio de Ciencia y Tecnología

**Participating institutions:**

**Head researcher:** Bugada, G.

---

**Type of participation:** Investigador

**Research groups :** (MC)2 - Grup de Mecànica Computacional en Medis Continus

**Code of funding body :** BIA2003-09078-C02-01

**Title:** New tools for analysis and design of light structures under wind loads (ADEL)

**Start date:** 01/12/2003

**End date:** 30/11/2006

**Duration:** 3 Year/s

**Funding:** 121900.00 €

**Scope:** Estatal

**Participants:** 2

**Institution in which the research was undertaken:** CIMNE

**Funding bodies:** Ministerio de Ciencia y Tecnología

**Participating institutions:**

**Head researcher:** Idelsohn, S.R.

---

**Type of participation:** Investigador

**Research groups :** (MC)2 - Grup de Mecànica Computacional en Medis Continus

**Code of funding body :** HPRN-CT-2002-00270

**Title:** Mathematical Modelling of the Cardiovascular System (HaeMOdel)

**Start date:** 10/01/2002

**End date:** 30/09/2006

**Duration:** 4 Year/s 8 Month/s 21 Day/s

**Funding:**

**Scope:** Europeu

**Participants:** 2

**Institution in which the research was undertaken:** Politecnico di Milano

**Funding bodies:** European Commission

**Participating institutions:**

**Head researcher:** Quarteroni, A.

---