



## **Members of Consortium**

### **Partner Organisation**

University of Cádiz, Spain (Coordinator)  
University of Algarve, Portugal  
University of Aveiro, Portugal  
University of Bologna, Italy  
Russian State Hydrometeorological University  
(RSHU), Russia

Cádiz, 20<sup>th</sup> April 2010

**EACEA**

Education, Audiovisual & Culture Executive Agency  
Erasmus Mundus Programme (2010–2014).  
Avenue du Bourget 1 (BOUR 02/31).  
B – 1140, Brussels, Belgium.  
Fax: +32-2-292.13.28

To may it concerns,

Dear Sir or Madam,

I, Mr. **Diego Sales Márquez**, Rector of the University of Cadiz, main coordinator for the ERASMUS MUNDUS Joint Doctorate Programme in “Marine and Coastal Management (MACOMA) Project for the Erasmus Mundus call 2010-2014, am writing to you in order to clarify the content of the letters of commitments from the Consortium Members.

In the new letters it appears the following sentence *“in the application using the material presented in the last year call and that has the Agency in original formats”*.

It is related to the original documents we sent in our proposal for the call 2009 and that are in the Agency. This procedure has been adopted for this call under **agreement** with the **Agency** and with the personal agreement of **Mr. Jose Gutiérrez**. In any case, in the application it is included the new letters and also the copies for the 2009 proposal which was selected as reserve list in the first position (see annex). In the new proposal we have improved all the evaluator comments and added new material and information such as financial and cost agreement, etc. always under the guidelines of the Ph.D. Erasmus Mundus programmes call for 2010.

**Universidad de Cádiz**

Sr. Rector. D. Diego Sales Márquez


*Cádiz, 20 de abril de 2010*

## Letter of commitment

The Universities of the Consortium

- **Universidad de Cádiz, Spain**
- **Universidade do Algarve, Portugal**
- **Universidade de Aveiro, Portugal**
- **Università de Bologna, Italy**
- **Russian State Hydrometeorological University, Russia**

### CONFIRM

Their participation in the new proposal for the ERASMUS MUNDUS Joint Doctorate Programme in "Marine and Coastal Management (MACOMA), and agree to submit the application using the material presented in the last year call and that has the Agency in original formats

**Universidad de Cádiz**

Sr. Rector

D. Diego Sales Márquez



*Cádiz, 9 de Febrero de 2010*

## Letter of commitment

### Agreement of Cooperation Between:

The Universities of the Consortium

- Universidad de Cádiz, Spain
- Universidade do Algarve, Portugal
- Universidadek de Aveiro, Portugal
- Università de Bologna, Italy
- Russian State Hydrometeorological University, Russia

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**Universidade do Algarve**

Sr. Vice-Rector

Dr. Sérgio Manuel Machado Jesus




universidade de aveiro

Reitoria  
Universidade de Aveiro  
Campus Universitário de Santiago  
3810-193 Aveiro  
Portugal  
reitoria@ua.pt



*Aveiro, 18 de Março de 2010*

## Letter of commitment

### Agreement of Cooperation Between:

The Universities of the Consortium

- Universidad de Cádiz, Spain
- Universidade do Algarve, Portugal
- Universidade de Aveiro, Portugal
- Università de Bologna, Italy
- Russian State Hydrometeorological University, Russia

### CONFIRM

Their participation in the new proposal for the ERASMUS MUNDUS Joint Doctorate Programme in "Marine and Coastal Management (MACOMA), and agree to submit the application using the material presented in the last year call and that has the Agency in original formats.

**Universidade de Aveiro**

Exmo. Sr. Vice-Reitor

Prof. Doutor José Fernando Ferreira Mendes





AMMINISTRAZIONE

## Letter of commitment

### Agreement of Cooperation Between:

The Universities of the Consortium

- **Universidad de Cádiz, Spain**
- **Universidade do Algarve, Portugal**
- **Universidade de Aveiro, Portugal**
- **Università di Bologna, Italy**
- **Russian State Hydrometeorological University, Russia**

### CONFIRM

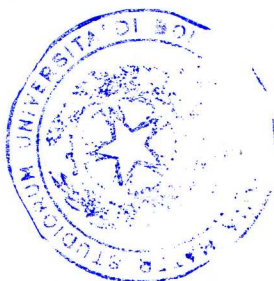
Their participation in the new proposal for the ERASMUS MUNDUS Joint Doctorate Programme in "Marine and Coastal Management (MACOMA), and agree to submit the application using the material presented in the last year call and that has the Agency in original formats

**Università di Bologna**

Rector

Prof. Ivano Dionigi

Bologna,



**UCA**Universidad  
de Cádiz**Rector**C/ Ancha, 16 - Rectorado  
11001 - Cádiz  
Tel. 956015027 Fax. 956015049  
rector@uca.es*Cádiz, 1 de febrero de 2010***Letter of commitment****Agreement of Cooperation Between:**

The Universities of the Consortium

- Universidad de Cádiz, Spain
- Universidade do Algarve, Portugal
- Universidade de Aveiro, Portugal
- Università de Bologna, Italy
- Russian State Hydrometeorological University, Russia

**CONFIRM**

Their participation in the new proposal for the ERASMUS MUNDUS Joint Doctorate Programme in "Marine and Coastal Management (MACOMA)", and agree to submit the application using the material presented in the last year call and that has the Agency in original formats

**Russian State Hydrometeorological University**

Sr. Rector

D. Lev Karlin





ALMA MATER STUDIORUM  
UNIVERSITÀ DI BOLOGNA



**UAlg**  
UNIVERSIDADE DO ALGARVE

Fig. 1.1  
EU-12  
al corpo

*[Handwritten signatures]*

Agreement for the development of a Joint PhD in

## **Marine and Coastal Management (MACOMA)**

between

University of Cadiz (coordinator)

University of Algarve

University of Aveiro

University of Bolonia

Russian State Hydrometeorological University





ALMA MATER STUDIORUM  
UNIVERSITA DI BOLOGNA



**UAlg**

UNIVERSIDADE DO ALGARVE

## Pre-amble

The partner institutions are active in both ERA, the European Research Area and EHEA, the European Higher Education Area. The Universities of the consortium have a history of co-operation in research and higher education under the framework of EU- research, Interreg EU programmes, EU-TEMPUS, Erasmus-Mundus Masters, Alban, INCO, Erasmus Mundus External cooperation windows and UNESCO UNITWIN and IOC programmes.

The partner institutions in order to fully integrate their joint academic and research strengths have established cooperation within the scope of a joint third cycle doctoral programme in ***Marine and Coastal Management (MACOMA)***

The present agreement will therefore provide the basis for:

- The development and implementation of a joint third cycle doctoral programme in *Marine and Coastal Management (MACOMA)*.
- Shared Direction and Supervision of doctoral theses in *Marine and Coastal Management (MACOMA)*.
- Multilateral exchange of doctoral students, giving students the opportunity to attend doctoral courses and carry out research activities at partner Universities in *Marine and Coastal Management (MACOMA)*
- Multilateral exchange of Academic staff, which will enable doctoral teaching and research activities at partner Universities in *Marine and Coastal Management (MACOMA)*

## Objectives

To offer a high standard joint third cycle doctoral programme in *Marine and Coastal Management (MACOMA)* taking advantage of the complementary and specific strengths of the partner Universities through the mobility of doctoral students and academic staff. This approach is aimed at encouraging doctoral students to become integrated into international research groups and to help them to acquire new experiences and skills in *Marine and Coastal Management (MACOMA)*.

Students of the joint third cycle doctoral programme in *Marine and Coastal Management (MACOMA)* will participate in the relevant research activities carried out at the host Universities.

The academic staff of the partner Universities will give guest students the necessary doctoral supervision and teaching advice in *Marine and Coastal Management (MACOMA)*

Students of the joint third cycle doctoral programme in *Marine and Coastal Management (MACOMA)* will be given the required facilities support, so to have the opportunity to carry out the research activities at the research centres of the host Universities .



ALMA MATER STUDIORUM  
UNIVERSITA DI BOLOGNA



**UAlg**

UNIVERSIDADE DO ALGARVE

### **Coordination**

The consortium coordinator is the University of Cadiz and the coordinator of the joint third cycle doctoral programme in *Marine and Coastal Management (MACOMA)*. Each partner University will nominate a Co-ordinator responsible for the implementation of the Agreement. After the first iteration of 5 years, the partnership and coordination will be revised.

### **Application and Selection of Candidates**

The consortium coordinator will coordinate the joint third cycle doctoral programme in *Marine and Coastal Management (MACOMA)* applications. Each partner University will nominate a member of the selection committee who will participate in the selection procedure. The selection of candidates will follow the same rules and criteria as the individual Marie Curie fellowships.

### **Procedure for the issue of the joint doctoral diploma**

The joint doctoral diploma will be issued by the coordinating University on behalf of the consortium. The Diploma will include the crests of all the institutions and be signed by the Rectors of the institutions where the Doctoral student carried out part of the research programme, a minimum of two institutions in different countries.

### **Financial and administrative arrangements for the programme**

The coordinating University will administer the studentships and scholarships on behalf of the consortium, celebrate doctoral student contracts and academic staff contracts and report to EACEA on behalf of the consortium. The funds will be distributed equally among the consortium excepting during the first year and related to the coordination costs, a quantity of 40000€ will be reserved for coordination costs by coordinating institution. The tuition fees will be distributed between the partners in accordance to the number of students and ECTS that each student spends at each institution.



ALMA MATER STUDIORUM  
UNIVERSITA DI BOLOGNA



**UAlg**

UNIVERSIDADE DO ALGARVE

### University of Cádiz

Date

Name and Position

Signature and Stamp

*[Handwritten signature]*



*Prof. Carlos Rodríguez, Rector*

### University of Algarve

Date 23.04.2009

Name and Position

Signature and Stamp

*João Pinto Guerreiro, Rector*



### University of Aveiro

Date 17/04/09

Name and Position

Signature and Stamp

*Dr. Helena Pazare, Rector*



### University of Bologna

Date

Name and Position

Signature and Stamp

*Prof. Pier Ugo Calzolari - Rector*

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### Russian State Hydrometeorological University

Date 14.04.09

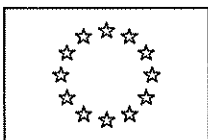
Name and Position

Signature and Stamp

*KARLIN*



*[Handwritten signature]*



UNIVERSITY OF CADIZ  
Mr. Diego SALES MÁRQUEZ  
poligono rio san Pedro s/n. Facultad de ciencias  
del Mar.  
ES - 11500 PUERTO REAL  
España

Brussels, 15/07/2009  
EACEA/P4/JF/cg/ D(2009) 303765  
2009/EM Selection

**Subject:** Erasmus Mundus Action 1 – Joint Doctorate programme  
**Title:** MARINE AND COASTAL MANAGEMENT  
**Reference:** 159630-1-2009-1-ES-ERA MUNDUS-EMJD  
(Please quote this number in all correspondence)

Dear Mr. Diego SALES MÁRQUEZ,

You have submitted a proposal in the framework of the 2009 Erasmus Mundus Call for Proposals (EAC/04/09) for the Action mentioned above.

I regret to inform you that your proposal has not been selected among the main list of projects proposed for funding.

However, in view of its high quality as recognised by the independent academic experts who have assessed it, we would like to inform you that your application has been put on a **reserve list for selection**.

Please note that **applications from the reserve list can only be selected if applications from the main list drop out**. It will only be known at the end of the currently ongoing contracting phase whether applications from the main list will drop out. As a result, if a candidate from the main list does drop out, the Agency will inform you of the new decision applicable to your project **by the 31 October, at the latest**. Beyond that date, your proposal will have to be considered as rejected.

All proposals were assessed with the assistance of independent academic experts. Enclosed you will find for your information a summary of the experts' assessments of your proposal.

The final selection decision was based on:

- The relative quality of your proposal in comparison with the other proposals received, as assessed by independent experts on the basis of the eligibility and award criteria listed in the Erasmus Mundus Programme Guide;
- The budget available.

In the overall ranking resulting from the assessment and selection exercises (see table below), your proposal was among those in the category B

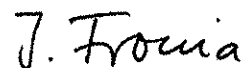
Category description		Number (%)
A	Proposals selected	13 (10,1%)
B	Proposals on the reserve list	6 ( 4,7%)
C	Proposals of good quality (score higher than 75 points out of 100)	27 (20,9%)
D	Proposals of adequate quality (score between 75 and 60 points out of 100)	55 (42,6%)
E	Proposals of insufficient quality (score less than 60 points out of 100)	28 (21,7%)

A new Erasmus Mundus call for proposals will be published by the end of this year. I therefore recommend that you regularly consult our EACEA website at: <http://eacea.cec.eu>.

I thank you for the interest you have shown in the programme and the work you have invested in preparing your proposal, and I hope you will maintain interest in European cooperation in higher education.

Should you have any further questions, you can contact us on the following address: EACEA-ERASMUS-MUNDUS@ec.europa.eu.

Yours faithfully,



Joachim Fronia  
Head of Unit

Annexes: - Comments and recommendations from the two independent experts who have assessed proposal.



Proposal number:	159630-EM-1-2009-1-ES-ERA MUNDUS-EMJD
Proposal title:	MARINE AND COASTAL MANAGEMENT
Coordinator:	Prof. Tomas-Angel DEL VALLS CASILLAS
Applicant organisation:	UNIVERSITY OF CADIZ

<b>Award Criteria</b>	
<b>B.1</b>	<b>Academic and research quality (20% of the max. score)</b>
<p>The needs analysis provides a good overview of the state-of-the-art in the field of marine and coastal management. It is predominantly focused on socio-economic issues. More detail concerning present research outcomes of the field is needed. However it presents a very good framework for the project creation. Objectives of the EMJD are reasonable. They are fully in line with the needs analysis and objectives of the EMJD programme. An analysis of the added value of the project is very exhaustive. It provides separate views for different aspects (education, research...). Added value of the EMJD is well identified. The PhD programme offers good scientific quality in the education, training and research programme. The programme includes an innovative connection between core sciences and management subjects. The main positive feature of the project is its cross-sectorial cooperation. Collaboration of partners from various countries, sectors and fields of interest is very important for up-to-date education of PhD students. The project underlines this type of cooperation. The EMJD will ensure that candidates gain new skills and competencies of a good quality.</p>	
<b>B.2</b>	<b>Partnership experience and composition (20% of the max. score)</b>
<p>The project partners are represented by very well established organisation possessing all necessary experience, capacity and expertise that is needed for a smooth implementation of the EMJD. They have very good research and educational background. The partnership composition represents a very strong feature of the proposed project. It is extremely well suited the for needs of the EMJD. Profiles of partner's organisations prove adequate diversity in professional field of interest and full complementarity in their capacities and expertise. Profiles of partners are highly coherent with the content of the EMJD. The majority of partners are well experienced in networking and cooperation activities. However, they do not present very strong cooperation between themselves in the past. Nevertheless the EMJD is based on results of the EMMC project, in which several partners have been involved. Not enough information about internationalisation is provided for all partners. The majority of the information describes the University of Aveiro's experience in this field. Involvement of partners from the professional sector is fully justified. The role of these partners is very important, not only from the educational point of view but also from financial point of view. A very well elaborated agreement states the rules of the cooperation.</p> <p>The role and the appropriateness of the professional, economic and scientific sector is well described through formalized Consortium and Associate Partners agreements and are clearly stated in Appendices.</p>	
<b>B.3.</b>	<b>European integration and functioning of the programme (20% of the max. score)</b>
<p>The project proposal documents that the EMJD is fully prepared for its implementation. The proposal is elaborated in depth with respect to the structure and content of the education and research activities of all candidates. It provides enough details to convince of a very competent approach of the consortium to building the stated PhD programme. The EMJD is arranged in an extremely structured way with respect to the combination of topics to be taught, organisation of courses, experts covering these topics and sequence of venues and activities. All is well harmonised and logically connected. Mobility periods of students are fully exploited in their professional development. It is advised that</p>	

they stay at least in 3 countries and obtain at least 30% of credits abroad. A process of candidate selection is thought out in extremely detailed way. It is well organised, involving all partners. The selection procedure pays attention to finding and supporting the best candidates. The process of supervising and monitoring of candidates activities is very well suited to programme needs. Relevant partners take responsibility accordingly to which organisations the candidates will visit and the coordinator assumes overall responsibility. Precise conditions assigned to candidates. Only after fulfilling these conditions can the candidates proceed to next academic year. It is a very efficient tool for quality assurance. Rules and process of assessment of the final theses are very well elaborated. All partners and external representatives are fully integrated into this process. A high level of outcome is well secured. Candidates will obtain a joint degree (that has been formalised already) and this can be supported by separate degrees from individual universities with a diploma supplement. There is a common application procedure, selection process, examination and admission procedure that are clearly described and that aim to provide fair and transparent outcomes.

**B.4 Provisions for EMJD candidates and fellowship holders (20% of the max. score)**

The EMJD consortium has prepared a special strategy for advertising the programme and for attracting the best students. The strategy is based on use of broad scale tools and approaches. It is very complex and exhaustive. A special effort will be made by partners to create and disseminate publicity materials.. The consortium has elaborated concrete steps to attract students from third countries. PhD candidates will obtain excellent services at all partner universities. The list of services is very detailed covering their working conditions, housing, leisure time and health provision. The consortium pays a great deal of attention to the language policy. Candidates will have enough possibilities to become familiar with several languages. Even though English is the working language, candidates also have to prove skills in another language. Rules for obligatory use of English, and other languages, are specified in very reasonable terms. The project proposal contains basic document as doctoral candidate agreement, employment contract... Documents are very thoroughly elaborated. They are well balanced in clarification of duties and rights of both sides - candidates and consortia as well. Candidates have covered all their needs by the coordinator. A professional development of candidates and looking for their employment possibilities is supported by partner organisations. Partners have agreed on precise rule concerning fellowship scheme and distribution of grantees. The process is transparent and equally opened to all participating organisations.

**B.5 Programme Management and Quality Assurance (20% of the max. score)**

The project consortium has agreed on rules of their cooperation. Organisational and management structure  
Is very well suited. It is elaborated very thoroughly. It takes into account many practical details connected to the EMJD implementation. The partnership agreement is included into the application form of the project. It is very clear that partnership is based on equal position of all partners with an overall responsibility of the coordinator. The participation costs are the same for all candidates. The costs are distributed among partners on transparent basis of the student stay at the partner organisation. Rules for financial participation are fully justified. The participating organisations are committed very much in future cooperation in implementation of the PhD programme. They have undertaken concrete steps to fix the programme in universities study offer. Partners have searched for supplementary financing of the PhD programme. They have found and used several sources of additional funding. A process of evaluation of EMJD is very well suited. It covers internal evaluation and external one as well. All partners are equally involved in monitoring and evaluation process. PhD students are invited to be active evaluators as well. System of monitoring is very promising. The EMJD pays serious attention to a gender balance and candidates with special needs. The proposal provides detailed information about this topic connected possibilities of partner universities. A gender aspect will be taken into account in the process of selection of successful candidates. There is a reasonable sustainability plan. There are provisions and mechanisms for both, internal evaluation and external assessment through participation of external examiners in candidates thesis and external experts in various committees.

## **Members of Consortium Associated Members**

ABENGOA, Inabensa, S.A. (Spain)  
CONSIGLIO NAZIONALE DELLE  
RICERCHE (Italy)  
ENVIRONMENT CANADA (Canada)  
GOLDER ASSOCIATES (Canada)  
IPIMAR (Portugal)  
LOICZ (Germany)  
MINISTRY OF THE ENVIRONMENT AND  
RURAL AND MARINE AFFAIRS (Spain)  
NINGBO UNIVERSITY (China)  
PROGNOZ (RUSSIA)  
AUTHORITY PORT OF HUELVA (SPAIN)  
SPB IO RAS (RUSSIA)  
UNESCO (France)  
UNIVERSITY OF SANTA CECILIA (Brasil)  
UNIVERSITY OF BASQUE COUNTRY  
(Spain)  
UNIVERSITY OF CANTABRIA (Spain)

## Commitment Letter

### Marine and Coastal Management Joint Ph.D. Programme Erasmus Mundus proposal (MACOMA)

I, **Cristina Huertas-Olivares**, the undersigned, researcher/responsible at the company Instalaciones Inabensa, S.A., Abengoa. of the research lines entitled 'Marine Energy' confirm my participation and the support to the joint PhD programme in 'Marine and Coastal Management (MACOMA)' and agree to collaborate in the supervision of Ph.D. students in the next research lines proposed by the application submitted by coordinating institution, University of Cádiz on behalf of the consortium of participating institutions.

17 of April 2009

  
Dra. Cristina Huertas-Olivares



**Consiglio Nazionale delle Ricerche**

ISMAR - Istituto di Scienze Marine

Castello 1364/a - 30122 Venezia, Italy

Tel +39 041 2404711 Fax +39 041 5204126

[segreteria@ismar.cnr.it](mailto:segreteria@ismar.cnr.it)

C.F. 80054330586 - P.IVA 02118311006



ISMAR - CNR - ISMAR	
Tit VI 14	Cl. FORMAZION F
<b>N. 0002062</b>	<b>06/04/2009</b>



To the  
European Commission  
Brussels

Object: Erasmus Mundus Joint Doctoral Programme

Dear Sirs,

We are aware that the University of Bologna participates in the Call of proposals concerning an ERASMUS MUNDUS Joint Doctorate 2009-2013 under the coordination of the University of Cadiz, in collaboration with other European Institutions.

We acknowledge the high formative value of the ERASMUS MUNDUS Joint Doctorate, which in this particular proposal is addressed to "Marine and Coastal Management".

On the basis of our interest in the field, considering also previous excellent collaborations with the University of Bologna and mainly with some of the participants of the proposal, we hereby attest our full support to the initiative, towards the improvement of knowledge of young graduated students on issues related to the marine and coastal environment, and the dissemination of it at the international level.

IL DIRETTORE

(Dott. Fabio Trincardi)

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Fax +39 071 55313  
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[segreteria@ts.ismar.cnr.it](mailto:segreteria@ts.ismar.cnr.it)





Environnement  
Canada

Environment  
Canada

DATE: April 14, 2009

## Letter of commitment

I, **Christian Gagnon**, the undersigned, as Head of the Fluvial Ecosystems Research Section for Aquatic Ecosystem Protection Research Division (AEPRD), Centre Saint-Laurent (CSL), Montreal, Environment Canada, confirm the commitment of the AEPRD-CSL to the Erasmus Mundus application in Marine and Coastal Management (MACOMA). The University is pleased to build this relationship on the previous Erasmus Mundus success of this academic team.

In the event of the successful bid of MACOMA the AEPRD-CSL will develop and sign Memoranda of Understanding with the relevant partners in the consortium to enable the mobility of PhD and Masters students to collaborate/study at the AEPRD-CSL and where appropriate to register for Joint Degrees with the AEPRD-CSL. The AEPRD-CSL has existing experience of such arrangements and has active agreements with several other international partners.

The AEPRD-CSL offers comprehensive programmes of study in research skills and personal development, and students linked to the MACOMA programme will be entitled to participate in these programmes.

**Christian Gagnon, Ph.D.**

Research scientist, Head of Fluvial Ecosystems Research  
Aquatic Ecosystem Protection Research Division  
Water Science and Technology Directorate  
105 McGill, 7th floor  
Montréal, QUE, Canada, H2Y 2E7  
Tel: (514) 496-7096; Fax: (514) 496-7398  
courriel/e-mail: christian.gagnon@ec.gc.ca

*(Original signed by the above)*



Environment  
Canada

Environnement  
Canada

**Centre Saint-Laurent  
Environnement Canada, Région du Québec  
105 rue McGill, Montréal, QUEBEC, Canada, H2Y 2E7**

## COMMITMENT LETTER

Marine and Coastal Management Joint Ph.D. Programme Erasmus Mundus proposal  
(MACOMA)

I, **Christian BLAISE**, the undersigned, research scientist at the Centre Saint-Laurent, Environment Canada, of the research lines entitled “**Sensitive tools for marine and coastal environmental quality assessment**” confirm my participation and the support to the joint **PhD** programme in ‘Marine and Coastal Management (MACOMA)’ and agree to collaborate in the supervision of Ph.D. students in the next research lines proposed by the application submitted by the coordinating institution, **University of Cádiz**, on behalf of the consortium of participating institutions.

### Research lines title and description:

**Sensitive tools for marine and coastal environmental quality assessment.** Different environmental tools are developed and applied to determine environmental quality in marine and coastal environments. New methods and strategies to detect and to foresee the biological effects of emerging contaminants in these environments are validated. Microbiology approaches to establish their role as organisms and/or as toxicants under determined conditions are proposed. The role of microorganisms in degrading different contaminants is also investigated.

Montréal, (Québec), Canada

April 14, 2009

**Christian Blaise, D.Sc.**

Research scientist, Aquatic Toxicology  
Fluvial Ecosystems Research  
Aquatic Ecosystem Protection Research Division  
Water Science and Technology Directorate  
105 McGill, 7th floor  
Montréal, QUE, Canada, H2Y 2E7  
Tel: (514) 496-7094; Fax: (514) 496-7398  
courriel/e-mail: christian.blaise@ec.gc.ca



Environnement  
Canada

Environment  
Canada

To Laura Martin-Diaz  
Cadiz University  
Cadiz, Spain

April 15, 2009

Object: COMMITMENT LETTER

Marine and Coastal Management Joing Ph.D. Programme Erasmus Mundus proposal  
(MACOMA)

I, **François Gagné**, the undersigned, research scientist at the Centre Saint-Laurent, Environment Canada, of the research lines entitled "**Biomarker research for marine and coastal environmental quality assessment**" confirm my participation and the support to the joint **PhD** programme in 'Marine and Coastal Management (MACOMA)' and agree to collaborate in the supervision of Ph.D. students in the next research lines proposed by the application submitted by the coordinating institution, **University of Cádiz**, on behalf of the consortium of participating institutions.

Research lines title and description:

**Biomarker research for marine and coastal environmental quality assessment.** Different physiological, proteomic and genomic biomarkers are developed and applied to determine environmental quality in marine and coastal environments. New methods and strategies to detect and to foresee the biological effects of emerging contaminants in these environments are validated. Biomarkers destined to evaluate the cumulative effects of various environmental stressors such as climate changes, eutrophication, inflammation (infections) etc will be examined to mitigate which stresses represent the most risk to marine populations of bivalves and other organisms.

Montréal, (Québec), Canada

**Dr François Gagné**  
Research scientist, Aquatic Toxicology  
Fluvial Ecosystems Research  
Aquatic Ecosystem Protection Research Division  
Water Science and Technology Directorate  
105 McGill, 7th floor  
Montréal, QUE, Canada, H2Y 2E7  
Tel: (514) 496-7105; Fax: (514) 496-7398  
courriel/e-mail: christian.blaise@ec.gc.ca

April 12, 2008

Reference No. Admin/Promo

To Whom It May Concern

**Marine and Coastal Management Joint Ph.D. Programme Erasmus Mundus Proposal (MACOMA)**

Dear Sir and/or Madam

I, **Dr. Peter M. Chapman**, the undersigned, Principal/Senior Environmental Scientist at Golder Associates Ltd. (Canada), with expertise and experience in weight-of-evidence assessments and risk assessments, confirm my participation and the support of the joint **PhD** programme in 'Marine and Coastal Management (MACOMA)' and agree to collaborate in the supervision of Ph.D. students in the next research lines proposed by the application submitted by the **Coordinating Institution, University of Cádiz** on behalf of the consortium of participating institutions.

If you have any questions or require any further information, please do not hesitate to contact me at 1-604-230-7395 or [pmchapman@golder.com](mailto:pmchapman@golder.com).

Sincerely,

**GOLDER ASSOCIATES LTD.**



Peter M. Chapman, Ph.D., R.P.Bio.  
Principal / Senior Environmental Scientist

PMC/me

CC: Angel del Valls Casillas, University of Cadiz





## Letter of commitment

I, Carlos Luciano Costa Monteiro, the undersigned, as Director for IPIMAR, National Institute for Biological Resources, confirm the commitment of the IPIMAR to the Erasmus Mundus application in Marine and Coastal Management (MACOMA). The Institution is pleased to build this relationship on the previous Erasmus Mundus success of this academic team.

In the event of the successful bid of MACOMA, IPIMAR will develop and sign Memoranda of Understanding with the relevant partners in the consortium to enable the mobility of PhD and Masters students to collaborate/study at the Institution. The IPIMAR has existing experience of such arrangements and has active agreements with over tens other international partners.

The IPIMAR offers comprehensive programmes of study in research skills and personal development and students on the MACOMA programme will be entitled to participate in these programmes.

Lisbon, 14<sup>th</sup> April 2009

Carlos Costa Monteiro

Director of IPIMAR







## COMMITMENT LETTER

Marine and Coastal Management Joint Ph.D. Programme Erasmus Mundus proposal (MACOMA)

I, **Carlos Alberto Garcia do Vale**, the undersigned, coordinator at IPIMAR, National Institute of Biological Resources, Lisbon, Portugal, of the research lines entitled "Marine Environment and Biodiversity" confirm my participation and the support to the joint PhD programme in 'Marine and Coastal Management (MACOMA)' and agree to collaborate in the supervision of Ph.D. students in the next research lines proposed by the application submitted by **coordinating institution, University of Cádiz** on behalf of the consortium of participating institutions.

The research lines are the following:

- 1. pH & Salinity influence in contaminants behavior and their adverse biological effects in marine and coastal environments, including estuaries.** Different environmental characteristics associated with significant changes in these two key environmental variables are simulated under laboratory to model the contaminants behavior of contaminants and the influence of pH and Salinity. Besides, the changes in the toxicity and bioavailability of these substances are addressed under laboratory conditions to establish the role of these two environmental variables. Changing environmental examples in these two variables are: estuaries, high organic enrichment in coastal/estuarine and wetlands sediments and areas selected for carbon capture and storage with potential leaks during the injection or storage processes.

*Responsible person for the research line Prof. Inmaculada Riba and Dr. Enrique García Luque. Co-supervisor. Dr. Carlos Vale (IPIMAR)*

*Present Projects supporting the research line:*

Ministry of Research and Innovation (Spain): CTM2008-06344-C03-01; CTM2008-06344-C03-02; CTM2008-06344-C03-03

Excellence projects. Autonomous government of Andalusia. RNM-3924

- 2. Mitigation and Emergency plans related to accidental spills in the marine and coastal environment.** The research activity deals with the environmental assessment and management of accidental spills that can affect the marine and coastal environment, including transition areas such as: wetlands and estuaries. The University of Cadiz has leader the impact assessment and management of different accidental spills in Spain, Mining (Aznalcollar, 1998) or Oil (Prestige, 2002) with success. Some models are developed to define the steps to be conducted and the needed research to improve emergency plans or mitigation plans in these cases. The activity goes from the basic research to the application of the results for a correct management of the associated risk in the affected area, including potential effects in the human health. Also, the Maritime Strategy and other related European directives are discussed in this research line.





Ministério da  
Agricultura,  
do Desenvolvimento  
Rural e das Pescas

INRB, I.P.  
Instituto Nacional  
dos Recursos Biológicos, I.P.

*Responsible person for the research line Dr M.C. Morales Caselles (UNESCO) and I. Riba (CSIC/UCA). Co-supervisor: Dr. Carlos Vale (IPIMAR),*

*Present Projects supporting the research line:*

*IOC/UNESCO*

*Ministry for Research and innovation (FIT310100-2006-28), VEM2003-20563*

*Contract between University of Cadiz and Golder Associates Ltd. REF OT2008/133*

*Contract between University of Cadiz and Mining company 'Las Cruces'. OT2008/070*

Lisbon, 14<sup>th</sup> April 2009

Carlos Vale



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Avenida de Brasília  
1449-006 LISBOA - PORTUGAL

Tel. (+351) 213027000 Fax: (+351) 213015948  
E-mail [ipimar@ipimar.pt](mailto:ipimar@ipimar.pt)



GKSS P.O. Box 1160 D-21494 Geesthacht

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LOICZ IPO  
Institute for Coastal  
Research  
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f: +49-(0)4152-87 2040  
name.surname@loicz.org  
www.loicz.org

Your ref.

Our ref.

Phone  
04152/87- 1530

Fax:  
04152/87- 2040

Date:  
24.04.2009

## **Re; Support to the application to Erasmus Mundus for a Joint PhD in Marine and Coastal Management**

To whom it may concern,

On behalf of LOICZ, the Land-Ocean Interactions in the Coastal Zone core project of the International Geosphere Biosphere Programme, IGBP, and the International Human Dimensions Programme on Global Environmental Change, IHDP, I, Hartwig H. Kremer, CEO of LOICZ, strongly support the application by the University of Cadiz and consortium members for funding under the Erasmus Mundus scheme for the Joint PhD in Marine and Coastal Management.

This is an area of growing importance as the increasing extent and diversity of human land and sea uses places ever greater pressure on marine and coastal waters and ecosystems. It is essential to have trained, knowledgeable individuals who can work in this interdisciplinary area to address current and future problems by integrating across social, economic and natural sciences and to assist in reaching an appropriate ecosystem based management response. This is a major requirement expressed in both the "EU Water and Marine Strategy Framework Directives" and the scientific community is called upon to meet this requirement. This programme is ideally placed to match these needs and deliver the appropriate capacity building at a Global level. LOICZ is prepared to offer its communication and dissemination platforms as well as its global network of scientific peers to support the project. We look forward to working with the consortium and to assist the programme in developing common teaching and research interests.

In the name of the LOICZ Scientific Committee and the International Project office

Yours sincerely

**Dr. Hartwig Kremer**

(CEO, LOICZ IPO)



A core project of the International Geosphere-Biosphere Programme and the International Human Dimensions Programme on Global Environmental Change







**MINISTERIO DE  
MEDIO AMBIENTE Y  
MEDIO RURAL Y  
MARINO**

**SECRETARÍA GENERAL DEL MAR**

**DIRECCIÓN GENERAL DE SOSTENIBILIDAD  
DE LA COSTA Y DEL MAR**

**DIVISIÓN DE PROTECCIÓN DEL MEDIO Y  
LOS ECOSISTEMAS MARINOS**

## COMMITMENT LETTER

Marine and Coastal Management Joint Master Programme Erasmus Mundus proposal

I, **Jose Luis Buceta Miller**, the undersigned, Head of the Marine Protection Division at the Ministry of Environment and Rural and Marine Affairs (Spain) confirm my participation and the support to the joint **Master** programme in 'Marine and Coastal Management' and agree to collaborate in the supervision of students in the research lines proposed by the application submitted by **coordinating institution, University of Plymouth** on behalf of the consortium of participating institutions.

Madrid, 16th April 2009



Fdo. Jose Luis Buceta Miller

## COMMITMENT LETTER

Marine and Coastal Management Joing Ph.D. Programme Erasmus Mundus  
proposal (MACOMA)

I, **Xiaojun Yan**, the undersigned, Professor, Director of Key Marine Biotechnology Laboratory, at the Ningbo University of the research lines entitled '*Marine Biotechnology using microorganisms (microalgae and bacteria)*,' confirm my participation and the support to the joint **PhD** programme in 'Marine and Coastal Management (MACOMA)' and agree to collaborate in the supervision of Ph.D. students in the next research lines proposed by the application submitted by **coordinating institution, University of Cádiz** on behalf of the consortium of participating institutions.

## Research Lines title

*Marine Biotechnology using microorganisms (microalgae and bacteria).*

The research focuses on the characterization and biotechnological application of lipids profiles of phytoplankton, which may transferred through dietary chain, organism sedimentation processes. The establishment of high precision analytical methods focusing on lipidomics will afford to evaluate the sourcing of different phytoplankton and bacterial communities in the specified coastal and marine food web and sediment. Ecotoxicological and environmental approaches will also be used. The objective will be to analyze the phytoplankton community evolution closely related with temperature and eutrophication. It will also provide some new idea on the evaluation of ecological importance of marine organic matter, as well as potential application of bioactive natural products from phytoplankton and bacteria. *Responsible person for the research line: Prof. Xiaojun Yan (Ningbo University, China). Researchers involved: Dr. Haimin Chen, Jilin Xu, Dr. Chengxu Zhou, Dr. Peng Zhu (NU)*

Date and signature.

*Xiaojun Yan*  
*April 15, 2009.*



RESEARCH INSTITUTE OF RADIO-ELECTRONIC  
SYSTEMS FOR EMERGENCY PREDICTION



**PROGNOZ**

197376, Saint-Petersburg, Prof. Popova st., 5  
Tel. (812) 234-24-31  
Fax (812) 234-42-50

St-Petersburg, Russia  
14<sup>th</sup> April 2009  
N 37

To the  
European Commission  
Brussels

**Object: Erasmus Mundus Joint Doctoral Programme : statement of support**

Our Scientific Research Institute in the course of many years is occupied by questions of ecological monitoring, by problems, connected with the warning emergency situation and the prognostication of their development in the sea water areas. Special attention in this case is paid to the development of innovation methods and creation of the remote systems of the control of the state of water areas, providing of safety of ports, systems of control of the motion of vessels. A number of works in this direction is conducted in the close collaboration with the scientists Saint-Petersburg Electrotechnical University, and also in the cooperation with the research associations of Germany, Finland.

We highly evaluate the initiative of the ERASMUS MUNDUS Joint Doctorate which works in field of "ICAM".

As the organization, which good understands the significance of stated by you problem we declare our support of your innovation project and we are ready to cooperate.



Dr. Vladimir Veremjev  
Director RI "Prognoz" of  
radio-electronic system for  
emergency prediction at StP ETU "LETI"  
St-Petersburg, Russia



**РОССИЙСКАЯ АКАДЕМИЯ ЕСТЕСТВЕННЫХ НАУК  
RUSSIAN ACADEMY OF NATURAL SCIENCES**

**СПб отделение Секции геополитики и безопасности  
SPb branch of Geopolitics and Safety Section**

191187, СПб, ул. Гагутская, 1  
SPb, Gangutskaya st., 1  
«05» April 2009  
№21/нп

tel: (812) 275-88-47, fax: (812) 279-65-85  
E-mail: belyaev@mail.wplus.net

**COMMITMENT LETTER**

Marine and Coastal Management Join Ph.D. Programme Erasmus Mundus proposal (MACOMA)

I, Vyacheslav Belyaev, the undersigned, Vice-Chairman of the SPb branch of Geopolitics and Safety Section confirm the interest in participation and the support to the joint PhD programme in 'Marine and Coastal Management (MACOMA)' and agree to collaborate in the supervision of Ph.D. students in the next research lines entitled 'Methods of Underwater Acoustic Monitoring for Information Guaranteeing of ICAM system' proposed by the application submitted by coordinating institution, University of Cádiz on behalf of the consortium of participating institutions.

Involving of science and industrial enterprises for process of specialists of high qualification preparation that permit to improve quality of such specialists as a result of promotion of research investigations effectiveness and modern innovative technologies.

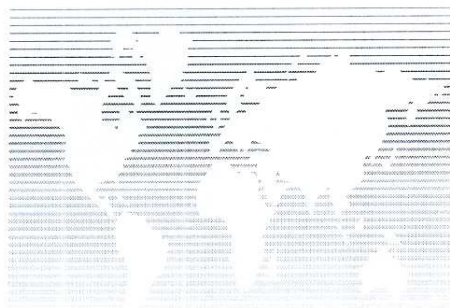
Vice-Chairman SPb branch  
Geopolitics and Safety Section of RANS  
Doct. of Techn. Sc., Professor

V. Belyaev

«15» April 2009







INSTITUTE OF OCEANOLOGY  
St.PETERSBURG BRANCH

RUSSIAN ACADEMY OF SCIENCES

30, Pervaya Liniya, 199053 St.Petersburg  
RUSSIA

Tel.: 7 (812) 218 4350

Fax: 7 (812) 218 5759

E-mail: yulib@GK3103.spb.edu

### COMMITMENT LETTER

Marine and Coastal Management Join Ph.D. Programme Erasmus Mundus proposal  
(MACOMA)

I, **Osadchii Vladimir Yurievich**, the undersigned, Director of the Institute of Oceanology of the Russian Academy of Sciences, Saint-Petersburg Branch confirm the interest in participation in the joint **PhD** programme in 'Marine and Coastal Management (MACOMA)'. Our Institute agrees to collaborate in the supervision of Ph.D. students in the next research lines entitled "**Simulation of Internal Tidal Waves and its Seasonal Variability in the Northern Atlantic Ocean**", "**Influence of Internal Tidal Waves on the Climate of the World Ocean**", "**Long waves (theory, application, impact, risk management)**" proposed by the application submitted by **coordinating institution, University of Cádiz** on behalf of the consortium of participating institutions.

The Institute of Oceanology of RAS has close scientific relationships both with coordinating institution, University of Cadiz and partner University, Russian State Hydrometeorological University. We hope that further development of collaboration will assist to improvement of professional skill and increasing of effectiveness of research within framework of Marine and Coastal Management Join Ph.D Program.

Yours Sincerely



14.04.2009



INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION  
COMMISSION OCÉANOGRAPHIQUE INTERGOUVERNEMENTALE  
COMISIÓN OCEANOGRÁFICA INTERGUBERNAMENTAL  
МЕЖПРАВИТЕЛЬСТВЕННАЯ ОКЕАНОГРАФИЧЕСКАЯ КОМИССИЯ  
اللجنة الدولية الحكومية لعلوم المحيطات  
政府间海洋学委员会

UNESCO - 1, rue Miollis - 75732 Paris cedex 15, France  
<http://ioc-unesco.org> - fax: +33 (0)1 45 68 58 12 - contact phone: +33 (0)1 45 68 39 83/84  
E-mail: [w.watson-wright@unesco.org](mailto:w.watson-wright@unesco.org)

6 April 2010

**Letter of commitment**

I, Wendy Watson-Wright, the undersigned, in my capacity of Executive Secretary of the IOC of UNESCO, confirm the commitment of the IOC to the Joint Ph.D. programme Erasmus Mundus application in Marine and Coastal Management (MACOMA).

Effectively, considering the already strong commitment of the IOC/UNESCO in the management of coastal area through its Integrated Coastal Area Management (ICAM) programme and in the context of its collaboration with the UNESCO Chair in St Petersburg and with UNITWIN/WiCop coordinated by the University of Cadiz, we are pleased to build this relationship on the previous Erasmus Mundus success of this academic team and in previous relationships through UNITWIN/WiCop.

In the event of successful bid of MACOMA the IOC/UNESCO will develop and sign Memorandum of Understanding as continuation of the previous signed with UNITWIN/Cop and with their relevant partners in the consortium to enable the mobility of PhD students to collaborate in the consortium.

We look forward to work with the consortium to support the programme by developing common teaching and research opportunities wherever possible including the reception of students for short periods of time to participate in the Programmes and activities of the Commission.

Wendy Watson-Wright  
Executive Secretary of IOC and  
Assistant Director-General of UNESCO

**Chairperson**

Lic Javier A VALLADARES  
Capitán de navío (Ret.)  
Licenciado en Oceanografía Física  
Asesor Científico en Ciencias del Mar  
Dirección de Relaciones Internacionales  
Secretaría de Ciencias, Tecnología  
e Innovación Productiva  
Av. Córdoba 831 4to. Piso  
(C1054AAH) Buenos Aires  
ARGENTINA

**Executive Secretary**

Dr Wendy WATSON-WRIGHT  
Intergovernmental Oceanographic  
Commission – UNESCO  
1, rue Miollis  
75732 Paris cedex 15  
FRANCE

**Vice-Chairpersons**

Dr Savithri (Savi) NARAYANAN  
Dominion Hydrographer/Director-General  
Ocean Sciences-Canadian Hydrographic  
Service  
Fisheries & Oceans Canada  
615, Booth St., Suite 311  
Ottawa, Ontario, K1A 0E6  
CANADA

Julian A. REYNA MORENO  
Capitán de navío  
Secretario Ejecutivo  
Comisión Colombiana del Océano  
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Bogotá, DC  
COLOMBIA

Prof. Cherif SAMMARI  
Chef, Laboratoire du milieu marin  
Institut National des Sciences et  
Technologies de la Mer (INSTM)  
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TUNISIE

Dr Sang-Kyung BYUN  
Principal Research Scientist  
Climate Change & Coastal Disaster  
Research Dept  
Korea Ocean Research & Development  
Institute (KORDI)  
Ansan, P.O. Box 29  
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REPUBLIC OF KOREA

Nicolay N. MIKHAILOV  
Head, Oceanographic Data Centre  
Russian Federal Service for  
Hydrometeorology & Environmental  
Monitoring  
All-Russia Research Institute of  
Hydrometeorological Information –  
WDC  
6, Korolev St., Obninsk  
Kaluga Region 249020  
RUSSIAN FEDERATION

## COMMITMENT LETTER

### Marine and Coastal Management Joing Ph.D. Programme Erasmus Mundus proposal (MACOMA)

I, **Augusto Cesar**, the undersigned, responsible at the Ecotoxicology Department, Santa Cecília University for the research lines below listed, confirm my participation and the support to the joint **PhD** programme in 'Marine and Coastal Management (MACOMA)' and agree to collaborate in the supervision of Ph.D. students in the next research lines proposed by the application submitted by **coordinating institution, University of Cádiz** on behalf of the consortium of participating institutions.

a) Dredged material characterization and management according to international convention different guidelines must be conducted to the characterization of dredged material before a final decision for its management, including free disposal to the marine and coastal environment. In this research lines, the guidelines proposed by different international bodies are reviewed and updated to improve the management of this kind of material in the marine and coastal environments. Scientific approaches such as: contamination, ecotoxicology and socio-economics parameters are considered under an integrated point of view. Responsible person for the research line T. Angel Del Valls (UCA) M.C. Casado-Martínez (Natural History Museum, London, UK). Augusto Cesar (Universidade de Santa Cecília, Brasil). Present Projects supporting the research line: Ministry of Science and Innovation Spain. PET2006\_0685\_00 Huelva Port Authority Contract for dredged material assessment and management. OT2006/242 Ministry of Development, CEDEX. Contract for revision of protocols in Spanish Law for a correct dredged material management OT2008/0521;

b) Environmental quality assessment based on weight-of-evidence approaches The use of integrative methods based on the weight-of-evidence is proposed to the correct environmental quality assessment in marine and coastal environments. Different lines of evidences such as: contamination, toxicology, ecological integrity, biomarkers, bioaccumulation and other related are included in this kind of method. The integration of the results to derive sediment/water/organisms quality values (criteria) is the main objective proposed to marine and coastal management. Responsible persons for the research line T. Angel Del Valls Casillas (University of Cádiz). Co-supervisors: Dr. Peter Chapman (Golder Associates, Ltd. Vancouver, Canada and Dr. Augusto Cesar (UNISANTA, Brazil).

14<sup>th</sup> April 2009

Professor Augusto Cesar  
aucesar@unisanta.br





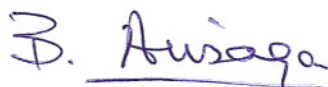
## Letter of commitment

I, BEATRIZ ARIZAGA BOLUMBURU, the undersigned, as Vicerrector for Quality and Educational Innovation and acting Rector of the University of Cantabria according to rectoral resolution number 476 dated April 26<sup>th</sup> 2009, confirm the commitment of the University of Cantabria to the Erasmus Mundus application in Marine and Coastal Management (MACOMA). The University is pleased to build this relationship on the previous Erasmus Mundus success of this academic team.

In the event of the successful bid of MACOMA the University of Cantabria will develop and sign Memoranda of Understanding with the relevant partners in the consortium to enable the mobility of PhD and Masters students to collaborate in the University of Cantabria. The University of Cantabria has existing experience of such arrangements and has active agreements with other international partners.

The University of Cantabria offers comprehensive programmes of study in research skills and personal development and students on the MACOMA programme will be entitled to participate in these programmes.

Santander, 27 April 2009



**NAME OF SIGNING PERSON : Beatriz Arizaga Bolumburu**  
**Acting Rector**

**CONTACT DATA: Tel.: 34 942 20 10 01**  
**e-mail address: rector@uncan.es**






**RESOLUCIÓN RECTORAL DE 26 DE ABRIL DE 2009, POR LA QUE SE DELEGAN LAS FUNCIONES DE RECTOR EN LA VICERRECTORA DE CALIDAD E INNOVACIÓN EDUCATIVA DE LA UNIVERSIDAD DE CANTABRIA.**

De acuerdo con las competencias que me confiere el Art. 35.2 de los Estatutos de la Universidad de Cantabria, aprobados por Decreto del Consejo de Gobierno de Cantabria 169/2003, de 25 de septiembre (B.O.C. 10 de octubre de 2003).

He resuelto delegar las funciones del Rector en la Vicerrectora de Calidad e Innovación Educativa de la Universidad de Cantabria, Sra. Dña. Beatriz Arízaga Bolumburu, los días 27, 28 y 29 de abril de 2009, ambos incluidos.

Santander, 23 de abril de 2009

EL RECTOR,



Federico GUTIÉRREZ-SOLANA SALCEDO

Comuníquese a: Secretaría General, Consejo Social, Vicerrectores, Gerente, Jefes de Servicio, Directores y Decanos de Centro, y Directores de Departamentos y unidades administrativas.