A. INSTITUTIONAL DATA

1. Project title:

Coastal and Continental shelf Geoscience

2. Expected starting date:

July 2017

3. Duration:

Six years

4. Domain(s) or discipline(s) concerned:

Geology , Sedimentology, Geophysics, Seismic profiles, Micropaleontology, Paleoceanography, Paleolimnology, Paleoclimatology, Archaeology, Hydrogeology and Hydrology, Oceanography, Limnology, Estuarine Environments, , Human Impact Assessment by Paleoenvironmental Techniques, Water Quality, Environmental Management

5. Name and full address of host institution(s):

Universidad de la República (UDELAR)
Centro Universitario de la Región Este, CURE-Rocha
Ruta intersección Ruta 15 s/n
Rocha (27000)
Uruguay
http://www.cure.edu.uy/

6. Faculty(ies)/Department(s) concerned:

Department of Geoscience
Centro Universitario de la Región Este, CURE-Rocha
Universidad de la República (UDELAR)
Uruguay
http://www.cure.edu.uy/?q=GeocienciasdelHoloceno

7. Executing institution

Centro Universitario de la Región Este, CURE-Rocha
Universidad de la República (UDELAR)
Ruta intersección Ruta 15 s/n
Rocha (27000)
Uruguay
http://www.cure.edu.uy

• Project leader/contact person (name, curriculum vitae):

Mr. Felipe García-Rodríguez, PhD.
Full Professor
Department of Geoscience
Centro Universitario de la Región Este, CURE-Rocha
Universidad de la República (UDELAR)

Rocha - Uruguay
Cel: 099 782 897
e-mail: felipegr@fcien.edu.uy

Publication list: see https://www.researchgate.net/profile/Felipe_Garcia-Rodriguez/contributions

Graduate and postgraduate studies:

2005-06. Post-doctoral and research fellow. Nelson Mandela Metropolitan University. South Africa.

2002. *PhD., Paleolimology.* Programa Sandwich PEDECIBA-DAAD (Uruguay-Germany)
García-Rodríguez F. (2002). Estudio paleolimnológico de Lagunas de Rocha, Castillos y Blanca, sudeste del Uruguay. Tesis Doctorado PEDECIBA/Ecología - DAAD, Facultad de Ciencias, Montevideo. 95 pp.

1994. *Master of Science, Aquatic Botany,* University de Port Elizabeth, República de Sudáfrica
García-Rodríguez F. (1993). The determination and distribution of microbenthic algal chlorophyll-a in selected south Cape estuaries. M.Sc. Thesis. University of Port Elizabeth, Botany Department, Republic of South Africa. 134 pp.

1992. *B. Sc. Honours,* University of Port Elizabeth, República de Sudáfrica.

1990. *B. Sc. Honours Aquatic sciences*, Universidad de la República, Uruguay.

Languages:

Spanish and English, fluent
German and Portuguese, advanced level

Students:

Concluded 4 PhD, 6 MSc thesis
Ongoing, 5 PhD, 4 M.Sc. students

Lecturing:

Paleolimnology, Paleoceanograhy, Limnology, Coastal Oceanography, Human Impact Assessment By Paleoenvironmental Techniques

• Full address/telephone/fax/e-mail/website:

Centro Universitario de la Región Este, CURE-Rocha
Universidad de la República (UDELAR)
Ruta 9 Intersección Ruta 15
Rocha (27000)
Uruguay
Tel: +598-4472.7001
Website: http://www.cure.edu.uy/?q=GeocienciasdelHoloceno

8. Partners (name and address of participating institutions):

Mr. Karl STATTEGGER, PhD
Chair
UNESCO Chair in Marine Geology and Coastal Management
GEOMAR Helmholtz Centre for Ocean Research Kiel, and
Institut für Geowissenschaften, Christian-Albrechts-Universität zu Kiel

- Address: Institut für Geowissenschaften, Christian-Albrechts-Universität zu Kiel, Otto-Hahn-Platz 1, R.115, 24118 Kiel, Germany.

- Phone: +49-431-880-2881
- Email: kst@gpi.uni-kiel.de
- Website: http://www.ifg.uni-kiel.de, http://www.geomar.de

Mr. Sebastian KRASTEL, PhD
Executive Director
Institut für Geowissenschaften
Christian-Albrechts-Universität zu Kiel

- Address: Institut für Geowissenschaften, Christian-Albrechts-Universität zu Kiel, Otto-Hahn-Platz 1, R.115, 24118 Kiel, Germany.
- Phone: +49-431-880-3914
- Email: skrastel@geophysik.uni-kiel.de
- Website: http://www.ifg.uni-kiel.de

Mr. Nelson Luiz SAMBAQUI GRUBER, PhD, Mr. Jair WESCHENFELDER, PhD
Instituto de Geociências (IGeo)
Universidade Federal do Rio Grande do Sul (UFRGS)

- Address: Instituto de Geociências, Universidade Federal do Rio Grande do Sul (UFRGS), Campus do Vale Av. Bento Gonçalves 9500, Porto Alegre - RS - Brasil CEP: 91501-970
- Fone: +55-51-3308-6329
  Email: nelson.gruber@ufrgs.br
- Website: http://www.ufrgs.br/igeo

Mr. Eduardo PIOVANO, PhD
Professor
Centro de Investigaciones en Ciencias de la Tierra (CICTERRA)
Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET), and
Facultad de Ciencias Exactas, Físicas y Naturales (FCEFyN), Universidad Nacional de Córdoba

- Address: Universidad Nacional de Córdoba, Av. Velez Sarsfield 1611, CP: X5016GCA, Córdoba - Provincia de Córdoba – Argentina.
- Phone: +54-351-535-3800
- Email: eduardopiovano@unc.edu.ar
- Website: http://cicterra.conicet.unc.edu.ar/about-cicterra/

9. Total project budget (US $):

708,000 US dollars

10. Funding sources – organizations, bodies, and amount

- ***In cash***

Two invitations of overseas Professors to undertake lecturing activities
Participation of international partners in a biannual research/work meeting.
Presence of at least two international visiting professors per year.
Participation of a local representative in one international event per year.
Publication of a biannual report on the activities undertaken.

Budget: 8000 US dollars

- ***In kind***

Working hours of many scientists, lecturers and administration personnel from CURE-Rocha and the Department of Geoscience (gathering about 20 scientists) and the partner institutions.

Logistical support and the infrastructure from the laboratories of the CURE-Rocha (i.e. sedimentology, dating, core sectioning, geochemistry and micropaleontology) will be used for practical processes which involve the use of equipment and chemical reagents.

700,000 US dollars

B. PROJECT DESCRIPTION

1. Type of project:

UNESCO Chair

2. Domain(s) or discipline(s). Please indicate how the domain or discipline chosen is directly related to one or more of UNESCO's priorities and the Millennium Development Goals: (i) national development, (ii) regional development.

a. Projects corresponding to UNESCO's priorities:

Priority "Science for a Sustainable Future". UNESCO promotes the creation of knowledge and understanding through science equips to find solutions to today's acute economic, social and environmental challenges and to achieving sustainable development and greener societies. Scientific knowledge of the Earth's history and mineral resources, knowledge of ecosystems and biodiversity, and the interaction of humans with ecosystems are important to help us understand how to manage our planet for a peaceful and sustainable future. (http://en.unesco.org/themes/science-sustainable-future)

In addition, the proposal is related to "One Planet, One Ocean", Action "Preserving the ocean". UNESCO's Intergovernmental Oceanographic Commission (IOC-UNESCO) promotes international cooperation in order to generate knowledge about the nature and resources of the ocean and coastal areas and to apply that knowledge to management, sustainable development, marine environment protection, and decision-making processes. (http://en.unesco.org/themes/preserving-ocean).

The proposal also contributes to the achievement of the Sustainable Development Goals 2030. Particularly, to the Goal 6 (Ensure availability and sustainable management of water and sanitation for all), Goal 8 (Sustain inclusive and sustainable economic growth, full and productive employment and decent work for all), Goal 13 (Take urgent action to combat climate change and its impacts), Goal 14 (Conserve and sustainable use the oceans, seas and marine resources for sustainable development), as well as the Goals 5 (Gender) and 16 (Global partnership).

b. Projects corresponding to the Medium-Term Strategy for 2014-2021:

The Chair is aligned with the Strategic Objective 5 of UNESCO Medium- Term Strategy 2014-2021 (34 C/4). Mainly, by contributing to shaping the research agenda of global and regional scientific cooperation, based on the Rio+20 outcome document "The Future We Want" and the post-2015 development agenda. But also by putting into practice integrated approaches to science and engineering for sustainable development, called "sustainability science".

The Chair is also aligned with the Main Line of Action 3 for the major Programme on Natural Science of UNESCO Programme and Budget 2014-2017 (37 C/5) "Promoting knowledge and

capacity for protecting and sustainably managing the ocean and coasts". In particular, through the Expected Result 9: "Global cooperation in the ecological and geological sciences expanded".

The Chair is also aligned with the UNESCO Chair in Marine Geology and Coastal Management GEOMAR Helmholtz Centre for Ocean Research Kiel, and Institut für Geowissenschaften, Christian-Albrechts-Universität zu Kiel (see attached letter).

c. Projects corresponding to the Sustainable Development Goals:

2030 Agenda for Sustainable Development, Sustainable Development Goal (SDG) N. 15: "Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss". Target: "By 2020, ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, in particular forests, wetlands, mountains and drylands, in line with obligations under international agreements".
(http://www.un.org/sustainabledevelopment/biodiversity).

2030 Agenda for Sustainable Development, Sustainable Development Goal (SDG) N. 14: "Life below water: conserve and sustainably use the oceans, seas and marine resources for sustainable development". Targets: "By 2020, sustainably manage and protect marine and coastal ecosystems to avoid significant adverse impacts, including by strengthening their resilience, and take action for their restoration in order to achieve healthy and productive oceans" and "By 2020, conserve at least 10 per cent of coastal and marine areas, consistent with national and international law and based on the best available scientific information".
(http://www.un.org/sustainabledevelopment/oceans)

3. Summary of the project (150 words)

The project aims to develop the interdisciplinary field of the Geoscience, i.e., coastal limnological and continental shelf systems. Mainly through undergraduate and postgraduate activities research and lectures in the fields of Geology, Sedimentology, Micropaleontology, Paleoceanography, Paleolimnology, Paleoclimatology, Archaeology, Oceanography, Limnology, Estuaries, Watershed Hydrology, Human-Impact-Assessments by Paleoenvironmental Techniques, Water Quality, Environmental Management.

In a first stage, special attention will be paid to the Patos-Merin Lagoon System and the adjacent continental shelf, including the freshwater-input from the Río de la Plata and the exceptional mudbelt deposit of the Uruguayan/Brazilian shelf. This is a transboundary system shared by Uruguay and Brazil that is one of the largest but least studied limnological systems of South America. The research will be done in collaboration with the Instituto de Geociências of the UFRGS (IGEO/UFRGS). In a further stage, the South American coastal lagoon systems of eastern Brazil will be addressed to generate comparative paleogeographic data.

The Chair will also develop geoindicators to support the monitoring and follow up of the achievement of Sustainable Development Goals related to ocean and coastal contamination and erosion.

Context and justification (300 words)

Analyse trends and issues surrounding the theme of the proposal. What difference will the project make in terms of capacity-building, transfer of knowledge, and strengthening links between universities/other higher education institutions and development bodies?

The freshwater input from large coastal rivers/lagoons into the ocean represents a massive contribution of terrigenous material of both natural and anthropogenic elements. The continental material deposits on the continental shelf, thus forming exceptional sedimentary records, from which paleoenvironmental information about trophic/climatic changes and human impacts can be inferred. Most of the industrial/productive contaminants of coastal countries are transported into the ocean. Although most problems evolved from this process are of national/local importance, sometimes they acquire trans-boundary nature. In Latin America, many watersheds are being shared by two or more nations (United Nations World Water Report 2015, 2015, e.g., Amazonas, Río de la Plata). Currently, seven waterways are planned (Magdalena, Paraguay-Paraná, Uruguay, Amazonas, Meta/Orinoco and Napo Rivers, and Merín/Patos Lagoon). However, there is no long-term scientific information about the environmental quality, or the contaminant load transported into ocean because of restricted funding and/or institutional fragmentation.

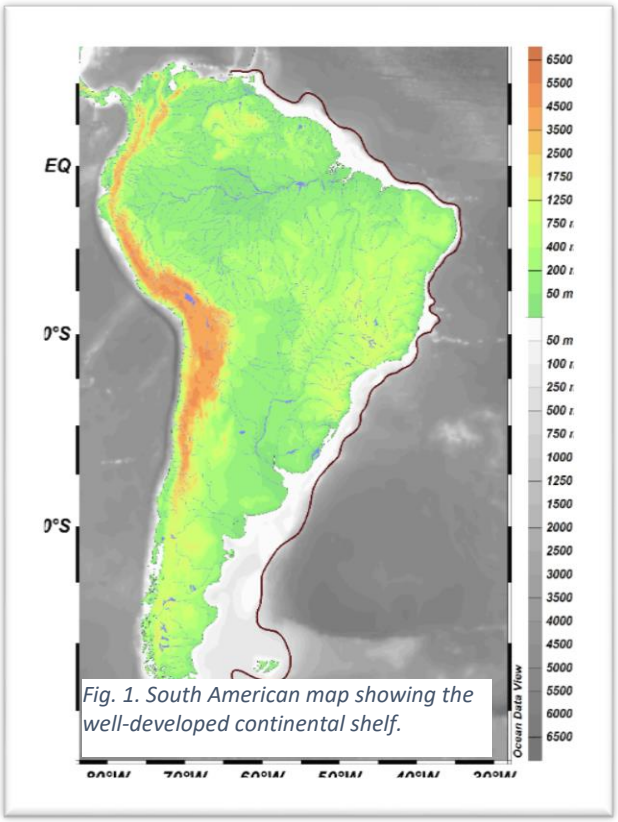

Fig. 1. South American map showing the well-developed continental shelf.

South America contains a well-developed continental shelf, which is a geological formation originated from deposits of large river-systems (Amazonas, Río de la Plata, Patos-Merin) flowing into the ocean. Thus, the shelf is exceptionally large (Fig. 1). Therefore, there is a close/dynamic interaction continent-ocean through the source-to-sink process, derived from the terrigenous continental input (source) into the ocean (sink).

It is extremely important to study the dynamics of such interactions, but the geo-scientific studies are only incipient and rather sporadic, particularly from the historical viewpoint. Although a few studies are available, it is extremely important to further undertaking regional academic activities (research, lecturing, and postgraduate theses). It is necessary to improve our understanding of natural variability and human impacts behind the historical development of coastal systems and the continental shelf in terms of diagnosis for guidelines for the rational use of resources.

4. Objectives

Development objective (long term) – contribution to overall development goals taking into consideration social, economic and cultural development

To foster advanced teaching and research activities to increase the availability of scientific information about coastal and continental shelf Geoscience, thus contributing to the sustainable management and use of natural resources.

Specific objectives- not exceeding 4 (short term) – short-term needs to be satisfied by the proposal

- To develop research, training and lecturing activities for graduate and postgraduate studies (M.Sc. and Ph. D. degrees) in the field of coastal and continental shelf geoscience.

- To cooperate with all interested universities and research centers and all interested governments and stakeholders (academia, decision makers and civil society) in generating scientific inputs for decision making and organizing outreach activities to inform the public of the importance and results of the coastal and continental shelf research.

- To encourage and facilitate the active participation of the teaching and research staff in the implementation of relevant UNESCO activities selected case-by-case.

- To support the activities undertaken by the UNESCO International Programme for Geoscience and Geoparks and the Intergovernmental Oceanographic Commission (IOC) in Latin America and the Caribbean. And to develop geoindicators to support the monitoring and follow up of the achievement of Sustainable Development Goals related to ocean and coastal contamination and erosion.

5. Type of activity (several types of activities can be mentioned)

- ✓ Postgraduate teaching program
- ✓ Short-term training
- ✓ Research and monitoring
- ✓ Visiting professorships
- ✓ Scholarships
- ✓ Institutional development

6. Target beneficiaries

- ✓ Students
- ✓ Academics
- ✓ Professionals
- ✓ Other: decision makers from public and private sectors

7. Visibility and expected results at the national, regional and international level. (Quantitative and qualitative results clearly identified. Please indicate how the visibility of the project activities will be ensured, for example, through publications, brochures and websites).

An internet website will be implemented to optimize the regional/international visibility of the UNESCO Chair. The results of the academic and research activities will be published into peer reviewed international journals, book chapters and congresses. In addition, the general public opinion will be informed about the activities if the Geoscience Chair through brochures, radio/TV interviews. The scientific information will be also transferred to the environmental managers of the State Offices by organizing workshops, roundtables, radio/TV interviews.

8. Implementation strategy – How the project will be implemented?

1. Management.

The Chair will be managed by the Director of the Department of Geoscience of the Holocene of the Of the University of the Republic (Centro Universitario de la Región Este - CURE), the only Institution undertaking geoscience research in Uruguay. The CURE was created in 2009 in the framework of the decentralization of the national public university “Universidad de la República”. The Department of Geoscience of the Holocene is the first one to lead an interdisciplinary

approach of Geosciences in Uruguay. It gathers about 20 scientists who are working hard to succeed at this aim.

2. Capacity-building

The launching and operation of the Chair will strengthen the decentralization process at the University of the Republic. It will also have a relevant role in the generation and transfer of information to develop and improve decision-making regarding the management and sustainability of natural resources. This impact will be particularly noticeable in the country, but also in the countries of origin of institutional partners as in all countries or regions that show interest in the activities of the Chair.

3. Sustainability (Linkages with other relevant activities at institutional, national, regional and international levels. How will benefits be sustained?)

The operation of the Chair will be linked to the daily activities and budget of the Department of Geosciences of the Holocene, so its sustainability will be fully secured.

4. Transfer of knowledge

In all cases, the scientific information derived from such activities will be made available to decision-makers of public/private institutions to help improve the environmental management of natural systems. The process of information transference will be performed by undertaking workshops, meetings and continuous two-way dialogue between scientists and managers.

9. Proposed schedule of major activities

There should be a clear link between the activities and the objectives to be achieved. The schedule should show activities, timing and expected outcomes.

- Objective 1a: To develop research, training and lecturing activities for graduate and postgraduate studies (M.Sc. and Ph. D. degrees) in the field of coastal and continental shelf geoscience.

  Activities:

  - Postgraduate training: develop a postgraduate teaching programme (M.Sc. and PhD) with Professors of Uruguay Brazil, Argentina and Germany on the subjects listed under item 4, in the framework of the Geoscience line of the Programme for the Development of Basic Science (Programa de Desarrollo de las Ciencias Básicas - PEDECIBA) of the Universidad de la República. The postgraduate training programmes of PEDECIBA can be undertaken by inviting external scientists to supervise and co-supervise thesis in a way to foster international cooperation.
    Proposed schedule: One (1) postgraduate teaching programme per year.

  - Short-term courses: implement intensive courses (i.e., 30-hr-week) will be offered on Marine Geology, Limnogeology Sedimentology, Micropaleontology, Paleoceanography, Paleolimnology, Paleoclimatology, Archaeology, Oceanography, Limnology, Estuarine Environments, Watershed Hydrology, Human Impact Assessment by Paleoenvironmental Techniques, Water Quality, Environmental Management
    Proposed schedule: One (1) intensive course per year.

- Scientific research: Promote and develop geoscientific studies of the close/dynamic interaction continent-ocean through the source-to-sink process, particularly from the historical viewpoint, in cooperation with other universities and research centers of the region.
  Proposed schedule:
  - First stage: Patos-Merin Lagoon, in cooperation with the Institute of Geoscience (UFRGS-Brazil), years 2016-2020.
  - Second stage, the South American coastal lagoon systems of eastern Brazil will be addressed to generate comparative paleogeographic data.

- Objective 2: To cooperate with all interested universities and research centers and all interested governments and stakeholders (academia, decision makers and civil society) in generating scientific inputs for decision making and organizing outreach activities to inform the public of the importance and results of the coastal and continental shelf research.
  - Outreach: Publication of scientific results into international peer-reviewed journals, book chapters, congresses, reports and the public opinion.
    Proposed schedule: At least three (3) scientific publications and three (2) briefings for general public or decision makers per year.

  - Capacity building: Organizing workshops for discussing and developing mechanisms of transference of scientific information to the environmental managers, stakeholders and the general public opinion.
    Proposed schedule: At least one (1) workshop per year.

- Objective 3: To support the activities undertaken by the UNESCO International Programme for Geoscience and Geoparks and the Intergovernmental Oceanographic Commission (IOC) in Latin America and the Caribbean. And to develop geoindicators to support the monitoring and follow up of the achievement of Sustainable Development Goals related to ocean and coastal contamination and erosion.

  - *Proposed schedule:* permanent collaboration.

- Objective 4: To encourage and facilitate the active participation of the teaching and research staff in the implementation of relevant UNESCO activities selected case-by-case.
  - *Proposed schedule:* permanent collaboration.

C. PARTNERSHIPS/NETWORKING

The UNITWIN/UNESCO Chairs Programme encourages partnerships (North-South-South) among institutions of higher education, NGOs, foundations, agencies, and public and private sector organizations or businesses.

Please attach one or more letters of support from the head of the institution(s) or businesses concerned, explaining their willingness to cooperate and interest in doing so

.

1. Participating partner institutions (name and address of each)

Confirmed:

UNESCO Chair in Marine Geology and Coastal Management
GEOMAR Helmholtz Centre for Ocean Research Kiel, and
Institut für Geowissenschaften, Christian-Albrechts-Universität zu Kiel

- Address: Institut für Geowissenschaften, Christian-Albrechts-Universität zu Kiel, Otto-Hahn-Platz 1, R.115, 24118 Kiel, Germany.
- Phone: +49-431-880-2881
- Email: kst@gpi.uni-kiel.de
- Website: http://www.ifg.uni-kiel.de, http://www.geomar.de

Institut für Geowissenschaften
Christian-Albrechts-Universität zu Kiel

- Address: Institut für Geowissenschaften, Christian-Albrechts-Universität zu Kiel, Otto-Hahn-Platz 1, R.115, 24118 Kiel, Germany.
- Phone: +49-431-880-3914
- Email: skrastel@geophysik.uni-kiel.de
- Website: http://www.ifg.uni-kiel.de

Instituto de Geociências (IGeo)
Universidade Federal do Rio Grande do Sul (UFRGS)

- Address: Instituto de Geociências, Universidade Federal do Rio Grande do Sul (UFRGS), Campus do Vale Av. Bento Gonçalves 9500, Porto Alegre - RS - Brasil CEP: 91501-970
- Fone: +55-51-3308-6329
  Email: nelson.gruber@ufrgs.br
- Website: http://www.ufrgs.br/igeo

Centro de Investigaciones en Ciencias de la Tierra (CICTERRA)
Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET), and
Facultad de Ciencias Exactas, Físicas y Naturales (FCEFyN), Universidad Nacional de Córdoba

- Address: Universidad Nacional de Córdoba, Av. Velez Sarsfield 1611, CP: X5016GCA, Córdoba - Provincia de Córdoba – Argentina.
- Phone: +54-351-535-3800
- Email: eduardopiovano@unc.edu.ar
- Website: http://cicterra.conicet.unc.edu.ar/about-cicterra/

The Research Centre for marine Geosciences (GEOMAR), University of Kiel, Christian Albrechts-Universität , Kiel hosts a UNESCO Chair in Marine Geology and Coastal Management (95), established in 1997 at the University of Kiel, (Germany). CURE and GEOMAR University of Kiel have already undertaken research activities in the continental shelf of Uruguay after the METEOR Cruise M78/3 and in the coastal zone of Río de la Plata

Universidad Federal do Rio Grande do Sul (UFRGS), Institute of Geoscience will closely collaborate with the chair. CURE and UFRGS have already undertaken joint lecturing activities and are currently supervising a PhD thesis which involves sandwich activities in both institutions.

Universidad de Córdoba, CICTERRA, will closely collaborate with the chair. CURE and Universidad de Córdoba are currently jointly supervising three PhD thesis which include coastal lakes of Uruguay, saline lakes of Argentina and freshwater lakes of Amazonia. CURE and Universidad de Córdoba have already undertaken joint lecturing activities and they are currently exciting an international project funded by ANII-Uruguay) (Agencia Nacional de Investigación e Innovación) and CONICET-Argentina (Consejo Nacional de Investigaciones Científicas y Técnicas).

Proposed:

None.

• D. FUNDING OF THE PROJECT

Please attach the supporting documents for each type of financing, for example, exchange of letters.

1. Total project budget – full details – categories of expenditure, etc.

708,000 US dollars (see details in item 2).

2. Contribution of your institution

Budgetary provision (in US $)

Two invitations of overseas Professors to undertake lecturing activities
Participation of international partners in a biannual research/work meeting.
Presence of at least two international visiting professors per year.
Participation of a local representative in one international event per year.
Publication of a biannual report on the activities undertaken.

Budget: 8000 US dollars

In-kind services (in US $)

Working hours of many scientists, lecturers and administration personnel from CURE-Rocha and the Department of Geoscience (gathering about 20 scientists) and the partner institutions.

Logistical support and the infrastructure from the laboratories of the CURE-Rocha (i.e. sedimentology, dating, core sectioning, geochemistry and micropaleontology) will be used for practical processes which involve the use of equipment and chemical reagents.

700,000 US dollars

The CURE-Rocha holds excellent lecturing rooms with internet/video conference connection, power point projector and laboratories very well equipped for practical work. These include, core sectioning, description and photography, sedimentology, dating and geochemistry. The Professors in charge of lecturing in the frame of the UNESCO Chair hold permanent positions.

3. Extrabudgetary resources to be mobilized

Please refer to the total project budget under D.1 and indicate items for which you will mobilize extrabudgetary resources. Indicate donor funding source, purpose and amounts (US $) – contributions proposed orapproved by donors. Potential funding sources (for example, UNDP, regional development banks, foundations, NGOs, national/bilateral donors, the public or private sector). Indicate those

funding sources which your institutions/associations or the national authorities in your country are in a position to approach and those for which you request external support.

University of the Republic (UdelaR), Sectorial Commision for Scientific Research (CSIC) and Development Programme for Basic Research (PEDECIBA) open calls for applications to undertake lecturing activities every year. These funding opportunities include tickets, accommodation and per diem, and will be utilized for develop and strengthen de UNESCO Chair. Other sources of international funding, e.g., German Service for Academic Exchange (DAAD), International Development Research Center (IDRC), PAGES, IAI, will be sought.

E. SUPPORT

Institutional support. Please note that the project should be presented by the Vice-Chancellors, Rectors or residents of the participating institutions.

LETTERS OF SUPPORT

UNESCO support. Involvement of the UNESCO Offices, Institutes and Centres in your region is important for the processing of the project proposal. Contact with the relevant programme sector at UNESCO Headquarters can also help in defining the project. This is mandatory for the establishment of a UNESCO Chair or UNITWIN Network.

Support by the National Commission for UNESCO in the country concerned. The UNESCO National Commission plays a vital role in the UNITWIN/UNESCO Chairs Programme and should be a partner in the national discussions on the proposal for a UNESCO Chair or UNITWIN Network.

Other support. Please specify.

See attached Letters of support from several Uruguayan and international Institutions.

F. COMPLEMENTARY PRECISIONS

Please add any information relevant to the proposal which has not been covered by the above points.