

Title of Partnership

PAGEM: Partnership for Geo-information Science and Earth Observation for Environmental Modelling and Management

Masters Course running the Partnership

GEM - Geo Information Science and Earth Observation for Environmental Modelling and Management

Duration : 3 years

Summary description

The objectives of the partnership are to:

- Develop the current Erasmus Mundus partnership between EU institutions into a global partnership with universities of the highest international quality in the United States, Australia and China.
 - Offer European students and scholars the opportunity to experience non-EU institutions, teaching and cultures and to personalise their career development.
 - Enhance academic excellence of the Erasmus Mundus master of science course Geo-information Science and Earth Observation for Environmental Modelling and Monitoring (GEM).
 - Enhance international profile and visibility of European Higher Education.
- These objectives are to be achieved over a three year period

The consortium of the GEM Master of Science course consists of ITC (The Netherlands), the University of Southampton (UK), Lund University (Sweden) and University of Warsaw (Poland). The consortium enters into a partnership with the Boston University (BU) in the USA, the University of New South Wales (UNSW) and the University of Sydney (UoS) in Australia, and Tsinghua University (TU) in China.

The role of the third country partner universities is to provide EU-GEM students with an opportunity to apply the knowledge gained in the curricular part of the course in on-going research projects relevant to GEM. The partnership activities include the joint provision of taught modules, electives, fieldwork and supervision of thesis research at partner institutions. The partners will offer replacement modules for the GEM electives and leading researchers will supervise fieldwork as well as co-supervise theses with EU partners. Opportunities exist for significant projects and fieldwork with a private company or government agency.

The contribution of each partner institute is worth approximately 15-20 ECTS. Scholarships will be offered for three month periods. This will allow the partnership to engage in teachers exchange, joint curriculum development, development and dissemination of e-learning methodologies and the further intensification of cooperation schemes through shared educational events.

In principle 20 European Erasmus Mundus studentships and 3 scholarships will be available per annum. Students are selected on the basis of performance in the GEM core course, and the quality of required letters of motivation for scientific and personal development.

The scholars are outstanding scientists in the field of Environmental Modelling and Management. Scholars with an interest in linking scientific results to policy and management will be highly valued. They are selected from the consortium members on the basis of their involvement in teaching of the GEM course, the appropriateness of modules, research and other assignments proposed, statements of intent and a clearly elaborated plan of activities. Besides their contribution to the development of the Masters of Science Course curriculum they add value to the consortium's research program. Scholar duties at the home institutions will be assured. A minimum of one scholarship will be awarded each year to each degree awarding partner in the consortium. The language of instruction and work in all partnership institutions will be English.

Beneficiary

International Institute for Geo-Information Science and Earth Observation
Hengelosestraat 99
7514 AE Enschede
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Co-ordinator

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<http://www.itc.nl>

Department of Natural Resources

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7514 AE Enschede

The Netherlands

European Partners

1) University of Southampton (UK)

2) Lunds Universitet (S)

3) Uniwersytet Warszawski (PL)

Third-Country Partner Institutions

1) University of New South Wales (Australia)

2) University of Sydney (Australia)

3) Boston University (USA)

4) Tsinghua University (China)

Grant

348.000 € (45.000 € partnership + 303.000 € scholarships)