

EDUCATION, TRAINING, RESEARCH AND FELLOWSHIP OPPORTUNITIES IN REMOTE SENSING, GIS AND APPLICATIONS - "A DIRECTORY"

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ABSTRACT

This Educational Directory has been developed as a task of ISPRS WG VI/1 on education and as part of the ISPRS Educational Opportunities Program initiated in 1996. It is a first attempt to providing a comprehensive directory of education and training services in the remote sensing and spatial information sciences. Addresses and contact points for further information are also included. A hundred and eight Institutions in 49 countries are listed in this directory. This Directory is available on <http://www.ltid.inpe.br/educacao.html>

1 INTRODUCTION

This Educational Directory has been developed as a task of ISPRS WG VI/1 on education and as part of the ISPRS Educational Opportunities Program initiated in 1996. It is a first attempt to providing a comprehensive directory of education and training services in the remote sensing and spatial information sciences. The Directory was developed from an original document prepared some years ago by the Office for Outer Space Affairs under the United Nations Program on Space Applications in Vienna. In the UN directory it is possible to get information from all UN members states that are involved in Space Science.

1.1 Directory development

Many faxes and emails messages have been sent to remote sensing and GIS institutions around the world, in order to update the UNU Directory and get information from institutions that were not in the directory. Besides this, additional faxes and emails have been sent to institutions whose addresses were in INPE and SELPER mailing list and ISPRS Silver Book. The information received has generated this directory.

In order to get homogeneous information the following Directory Form has been sent to the institutions:

FORM

INSTITUTION:

Address:

Tel.:

Fax:

E-mail:

Contact person:

Principal function(s) of institution: education and research

1. ACADEMIC AND SCIENTIFIC PROGRAMS

Area(s) of specialization:

Summary of courses and research activities:

Courses:

Research:
Duration/Frequency/Language(s) of instruction:
Facilities:
Number of trainees:
Entry requirements:
Degree/Diploma/Certificate awarded:

2. COST OF PROGRAMS

Cost of tuition, texts and related research material:
Monthly room and board and incidental expenses:

3. SCHOLARSHIP/FELLOWSHIP OPPORTUNITIES

Scholarship/Fellowship opportunities for foreign participants:
Other financial support available for foreign participants:

4. COLLABORATION WITH DEVELOPING COUNTRIES:

Specific areas of interest:
Geographical preference:
Please fill the form and send to Dr. Tania Maria Sausen (tania@ltid.inpe.br)

It was sent about 200 Directory Forms, but just 108 institutions have returned them. Sometimes it was very hard to contact the institutions and get the information because the fax number or emails addresses were not updated or not working out. Other times the contact person that was mentioned in the UN Directory had already retired and the institutions did not advise who had replaced this person. It took around one year to contact the institutions, get the information and build up a homepage dedicated to the Directory. This homepage is under the responsibility of the National Institute for Space Research - INPE and International Society of Photogrammetry and Remote Sensing - ISPRS, and it is managed by Dr. Tania Maria Sausen and Eng. Oton Osorio de Barros.

A hundred and eight Institutions in 49 countries are listed in this directory, such as University of Sydney, Department of Physiology(Australia), Bangladesh Space Research and Remote Sensing Organization - SPARRSO (Bangladesh), Instituto Nacional de Pesquisas Espaciais - INPE (Brazil), Space Science and Technology Center (China), Instituto Geográfico "Agustin Codazzi", Centro de Investigación en Percepción Remota - CIAF (Colombia), University of Copenhagen, Institute of Geography (Denmark), Groupement pour le Developpement de la Teledetection Aerospatiale - GDTA (France), Malaysian Centre For Remote Sensing - MACRES (Malaysia), Royal Centre for Remote Sensing - CRTS (Morocco), National Aeronautics and Space Administration - NASA (USA) etc.

The information contained in this directory for each institution includes its areas of specialization, the educational and research programs offered, the facilities available, the prerequisite qualifications, financial information, fellowship opportunities and opportunities for international cooperation. Addresses and contact points for further information are also included.

This Directory is necessarily incomplete because of the difficulty in obtaining accurate and timely information about all education institutions around the world in a range of languages. Education institutions are encouraged to provide their new or updated details of education and training programs in the remote sensing and spatial sciences information to Dr. Tania Maria Sausen, Head of ISPRS Working Group I - Technical Commission VI - Education and Communication, so that this Directory can provide accurate details for potential students. In order to do this, please take the Directory Form in the site <http://www.ltid.inpe.br/educacao.html>.

2 CONCLUSION

The author hopes this Directory can support professionals and students who are interesting in Education, Training, Research and Fellowship Opportunities in Remote Sensing, GIS and Applications. The author asks to all institutions interested in taking part of this directory, to fill the Directory Form out and contact her by internet, fax or email.