

UNIVERSITY OF TWENTE.



Acronym: ITC

Full Name: Faculty of Geo-Information Science and Earth Observation, University of Twente

Website: www.itc.nl and www.utwente.nl

Established: 1950

Location: Enschede, The Netherlands

Areas of expertise: geo-information science and earth observation for: earth sciences, natural resources, urban and regional planning, water resources, and environment.

Main Partners and Collaborations: Indian Institute of Remote Sensing (IIRS), Gadjadara University, Indonesia (UGM), Asian Institute of Technology (AIT), Asian Disaster Preparedness Centre (ADPC), Centro de Levantamientos Aeroespaciales y Aplicaciones SIG, Bolivia (CLAS), Centro de Investigaciones en Geografía Ambiental, Mexico (CIGA), Unitar's Operational Satellites Applications Programme (UNOSAT), Centro de Coordinación para la Prevención de Desastres Naturales, Guatemala (CEPRENAC), University Network for Disaster Reduction in Africa University of Geneva, Switzerland (UNEDRA).

Short Description: ITC – SPACE FOR GLOBAL DEVELOPMENT

One of mankind's greatest challenges is to achieve an appropriate balance between developing natural resources and maintaining an optimal natural environment. To meet this challenge, we need detailed and reliable geo-information and geo-information management tools.

At the Faculty of Geo-Information Science and Earth Observation (ITC) of the University of Twente, knowledge of geo-information management is readily available and is continually being developed and extended. By means of *postgraduate education, research and project services*, we contribute to capacity building in developing countries and emerging economies. In doing so, considerable attention is paid to the development and application of geographical information systems (GIS) for solving problems. Such problems can range from determining the risks of landslides, mapping forest fires, planning urban infrastructure, and implementing land administration systems, to designing a good wildlife management system or detecting environmental pollution.

Main activities: The key words characterising our activities are *geo-information management, worldwide and innovative*. We concentrate on earth observation, the generation of spatial information, and the development of data integration methods. Furthermore, we provide tools that can support the processes of planning and decision making for sustainable development and the alleviation of poverty in developing countries and emerging economies.

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