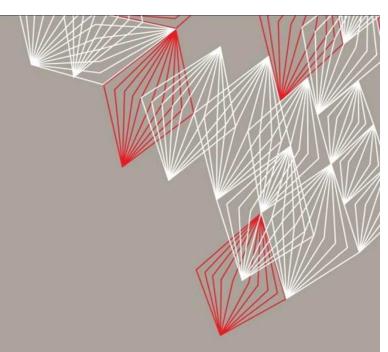
UNIVERSITY OF TWENTE.





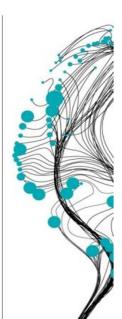
WELCOME PARTICIPANTS GOCE WORKSHOP

Faculty ITC

University of Twente



FACULTY OF GEO-INFORMATION SCIENCE AND EARTH OBSERVATION



UNIVERSITY OF TWENTE

HIGH TECH, HUMAN TOUCH













UNIVERSITI OF TANKINIE.



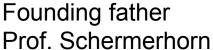
Faculty ITC

- Established: 1950 Appeal by UN in framework of official development assistance - ODA
- Aim: Build capacity for economic development in developing world
- Main instrument: Postgraduate education and training, research, project services
- Main field of science: earth observation, geoinformation science applied to problem-solving in earth sciences, natural and water resources and urban studies
- Achievements

Education and training: 20 000 mid-career professionals

Dean/Rector Prof. Veldkamp

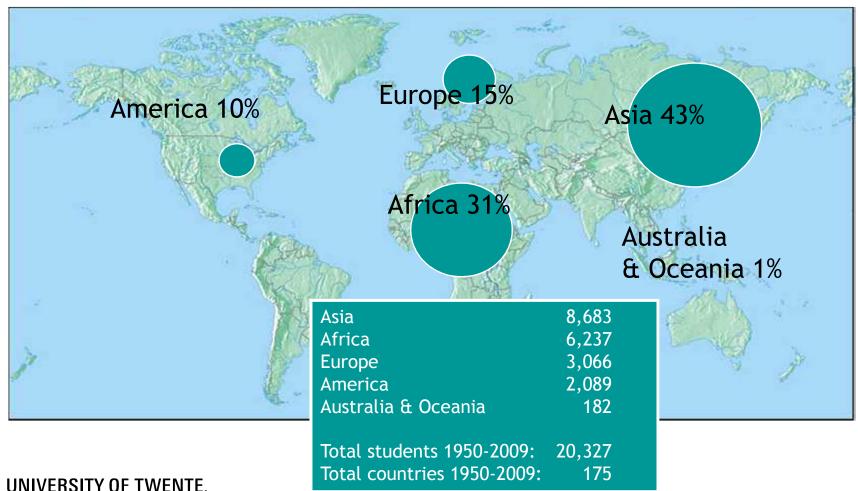






COURSE PARTICIPANTS 1950-2009

ORIGIN OF ITC STUDENTS, EXCLUDING EXTRAMURAL

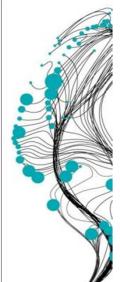




EDUCATION PARTNERSHIPS







EARTH SCIENCES@ITC











EARTH SCIENCES @ ITC

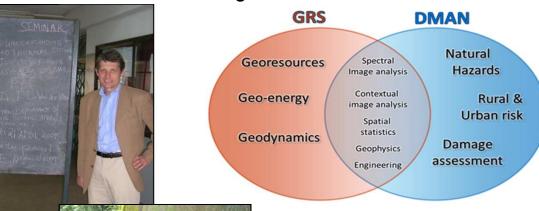
Earth Scientists at Fac. ITC strive at applying relevant geo-information for understanding earth surface and geological processes, the sustainable use of geo resources, and the use of geo-science in the mitigation of natural or man-made damage to our environment.

Chair Prof. Freek van der Meer

- Geo-resource exploration
- Geo-energy
- Geo-dynamics

Chair Prof. Victor Jetten

- Geohazard analysis
- Multihazard Risk Assessment
- GI for Disaster Management



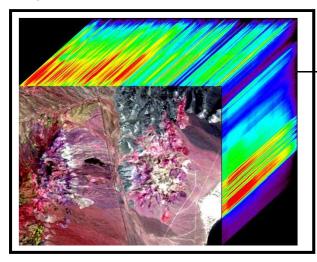


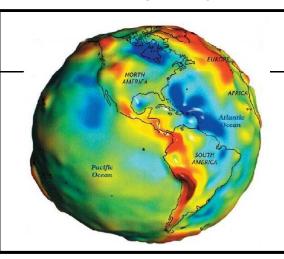
STATE OF ART EARTH OBSERVATION DATA

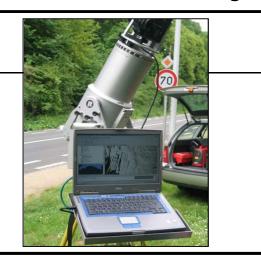
Hyperspectral: VIS_SWIR

Air- & Space geophysics

Terrestrial Laser Scanning



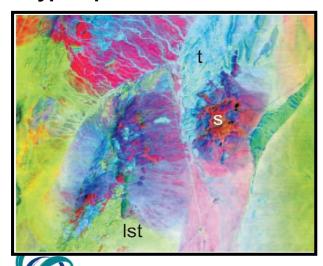


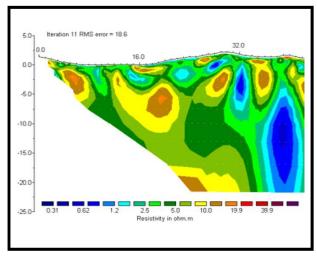


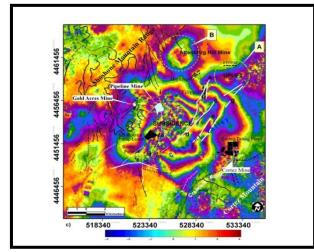
Hyperspectral: TIR

Near surface geophysics

InSAR

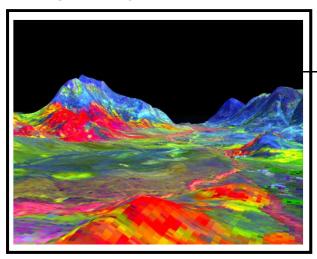




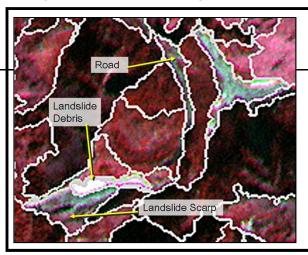


STATE OF ART GEOSPATIAL MODELLING

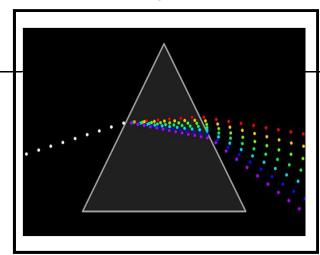
Image analysis



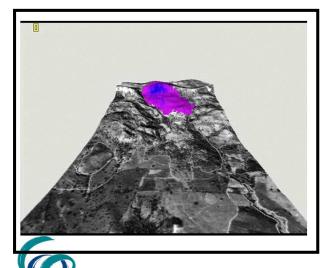
Object based analysis



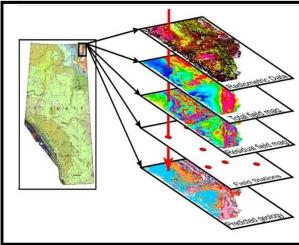
Spectral analysis



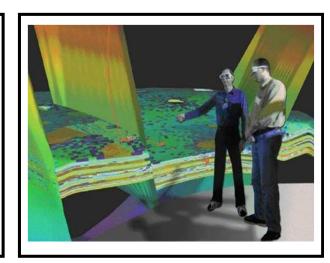
Process based models



Data integration models

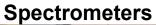


Geostatistics



LABORATORY FACILITIES

Geophysical equipment



PIMA ASD fieldspec

GER 3700 Bruker FTIR MIDAC <u>FTIR</u>







