

Aims

To develop an innovative learning platform for Asian countries with relevant activity in the field of Remote Sensing (RS)

Objectives

- To ensure researchers and academic staff in RS and geospatial sciences for studies integrated into world-wide sustainability academia (research) community;
- To strengthen and integrate RS and geospatial science into Multi-Inter-Trans-Cross- Disciplinary sustainability studies and research of Socio-Ecological Systems;
- To enhance the role of Asian institutions in socio-ecological systems studies and researches for the benefit of Asian region;
- To promote internationalization on the relevant knowledge areas;
- To enhance international cooperation between EU and Asian universities and research institutions

Project consortium

- Obuda University (OU), Hungary
- University of Natural Resources and Life Sciences (BOKU), Austria
- Jagiellonian University (JU), Poland
- ITC Faculty, University of Twente (UT), Netherlands
- Fujian Normal University (FNU), China
- Yunnan Normal University (YNNU), China
- Asian Institute of Technology (AIT), Thailand
- Khon Kaen University (KKU), Thailand

Associated partners

- Government Office of the Capital City Budapest, Department of Geodesy, Remote Sensing and Land Offices, Hungary
- Research Centre for Astronomy and Earth Sciences, Hungarian Academy of Science, Hungary
- Yunnan Hanzhe Technology Co. Ltd., China
- Southwest Forestry University, China
- Mahasarakham University, Thailand
- Thammasat University, Thailand

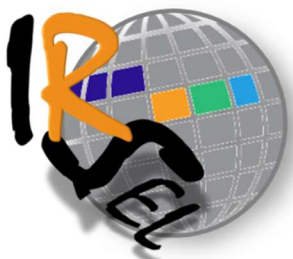
Outputs

- International cooperation and agreements
- New revised curricula
- 20 new modules
- 60 teachers retrained on workshops and a training
- 4 Knowledge Centres
- Knowledge sharing platform, e-Learning infrastructure, Learning Management System
- Quality Manual, Quality monitoring reports, workshop, Course Evaluation Plan
- Feasibility Study and Business Plan of Post-project Actions, Learning Guides, 20 students will be trained on a Summer School
- PR materials, project website, publications, multiplier events



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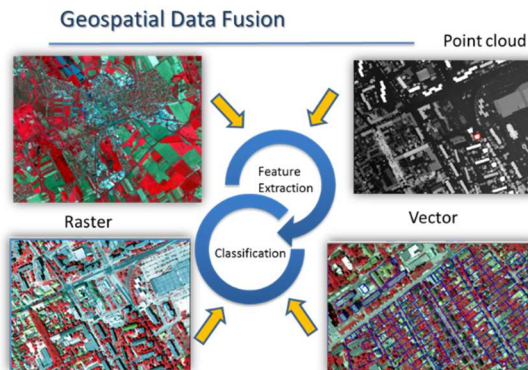


New courses

According to the aims of the project 20 modules (courses) were developed in Moodle LMS for e-learning. The modules are divided into two categories, general and thematic. For each module two institutions were delegated as listed below; the first is the Developer, the second is Contributor.

I. General modules

- M1 Physical Principles of Remote Sensing (AIT, BOKU)
- M2 Data Acquisition, Sensors and platforms (passive sensing) (BOKU, AIT)
- M3 Data Acquisition, Sensors and platforms (active sensing) (KKU, ITC)
- M4 Aerial photogrammetry and remote sensing (YNNU, FNU)
- M5 Digital Image Processing (JU, YNNU)
- M6 Image Classification and interpretation (OU, YNNU)
- M7 Available Software Applied in Remote Sensing (FNU, BOKU)
- M8 Land Change Detection (JU, YNNU)
- M9 3D mapping (JU, AIT)
- M10 Remote Sensing and GIS (Geographical Information Systems) (KKU, FNU)

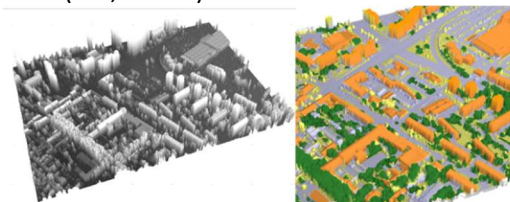


II. Thematic modules

- M11 Application of Remotes Sensing in Agriculture (BOKU, OU)



- M12 Vegetation mapping and monitoring (AIT, FNU)
- M13 Application of Remotes Sensing in Forestry (BOKU, OU)
- M14 Monitoring the environment by using of RS (FNU, JU)
- M15 Application of Remotes Sensing in Water Management (ITC, KKU)
- M16 Oceans/See and Coastal Monitoring (ITC, KKU)
- M17 Remote Sensing in Archaeology (AIT, OU)
- M18 Application of RS in Urban Environment (OU, YNNU)



- M19 Disaster Monitoring (KKU, YNNU)
- M20 RS and Climate Change (JU, ITC)