



IRSEL
Innovation on Remote Sensing Education and Learning

Newsletter 1

Highlights

Background
Aims and objectives
Results

Our partners
Our activities

What we are working on now?

Background

Innovation in Remote Sensing Education and Learning (IRSEL) project is aimed at raising awareness in Remote Sensing by innovative teaching materials, methods and learning support systems. It mainly focuses on developing an innovative learning platform for Asian countries with relevant activity in the field of Remote Sensing. Furthermore, this project will increase educational opportunities, equip people with additional skills and knowledge. Additionally, the knowledge from this project can be widely used in many fields such as planning land use, urban planning, environmental monitoring, disaster prevention and preparedness, and geological surveys, forestry, natural resource-ecology, agriculture, surveying and mapping, water resource management and disaster management and many more.

It is planned by improving the related education 1) by establishing LMS at each Asian universities, 2) by creating a Knowledge Pool of high level eLearning teaching materials for a

wider scientific and engineering community, and 3) by organizing workshops, a trainings and a summer school for the teaching and the administration staff.

Aims, objectives

- To develop an innovative learning platform, a Learning Management System (LMS) for China and Thailand.
- 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 sciences 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.





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Results

- 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

Our partners

The project involves 4 partners from Europe and 4 from Asia.

P1 Óbuda University, Alba Regia Technical Faculty – OU

OU is the project coordinator and is responsible for the daily management of the project, the administration, the coordination and the reporting of project activities to the commission. It will be the

WP leader for Project management (WP1) and Development of learning materials (WP3). It will serve as Task Leader of Quality Manual development (WP7.1), leads the development of a systematic Course Evaluation System on a Workshop (WP 7.4), organizes the External evaluation by international experts (WP7.5), conducts the website development (WP 9.2) and taking the task leadership on several tasks of the learning material development (WP3.1, WP3.3, WP3.4, WP3.5).

P2 University of Natural Resources and Life Sciences – BOKU

BOKU will be the WP leader for the Human Resource Development (WP4), also it hosts the Workshop on remote sensing experiences (WP4.1). It will serve as Task Leader of delivering the final versions of the Learning Modules (WP3.7), to conduct the Quality Assurance of course delivery (WP7.3), and to deliver publications in social and professional media about the project (WP9.3).

P3 Jagiellonian University – JU

JU will be the WP leader establishing a Learning Network Infrastructure (WP6). It will serve as Task Leader of Comparison of existing curricula (WP2.2) of the Asian universities to provide a base for new curriculum development. JU organizes and hosts Workshop on innovative teaching/learning (WP4.2), and conducts the Development of learning guides (WP8.3).





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P4 University of Twente – ITC

ITC will be the WP leader for the Quality assurance and evaluation (WP7), also it hosts the Workshop on a systematic course evaluation system (WP7.4). It will serve as Task Leader of preparing International cooperation and agreements (WP1.4), to plan new curricula (WP2.3), and co-organize the Workshop on remote sensing experiences (WP4.1).

P5 Fujian Normal University – FNU

FNU will be the WP leader for the Development of learning environment (WP5). It will serve as Task Leader of Testing the modules in pilot courses (WP3.6), will conduct the Quality Assurance of learning material development (WP7.2), and taking roles in dissemination and awareness building by leading the production of PR materials (WP9.1) and organization of multiplier events (WP9.4).

P6 Yunnan Normal University – YNU

YNU will be the WP leader for the Curricula Planning (WP2). It will serve as Task Leader of module development (WP3.2), hosts and organizes the joint 2nd review meeting and the Train-the-teachers on learning management (WP4.3), conducts the installation of Knowledge Centres (WP5.2) and the Establishment of an international e-Learning Infrastructure (WP6.2), and lead the preparation of the exploitation document of Feasibility study of post-project actions (WP8.1).

P7 Asian Institute of Technology – AIT

AIT will be the WP leader for the Exploitation (WP8), developing its Business Plan (WP8.2) and organizing and hosting the Summer School (WP8.4) jointly with the final review meeting. AIT is also the Task Leader of Implementation of Learning Management System (WP5.1).

P8 Khon Kaen University – KKU

KKU will be the WP leader for the Dissemination and Awareness Building (WP9). KKU conducts the preparation of the Needs (as-is) analysis (WP2.1), overviews the purchase of software and data bases (WP5.3) and the installation of a knowledge sharing platform (WP6.1).

All of partners will contribute to all other WPs as well.

What are we working on now?

At the beginning of the project needs-analyses will be accomplished and the further curriculum development will be based on the results of these analyses. To better understand the needs of partners, universities and companies in China and Thailand two questionnaires and the competency matrix have already been created for needs analysis. The overall programme definition is discussed by all partners, and general rules and templates will be set for an elaborate description. The curriculum and syllabus development is followed by development of the learning materials by the Uzbek partners. The testing and reviewing of the modules will ensure that it will meet the standards and needs of stakeholders. We are making arrangements for the kick-off meeting to be held in China (Fujian Normal University), on 15-17th January 2018.

A website is being created presenting the project as a whole, its progress, and important news in connection with the main phases of the IRSEL project.

The website is available now at <http://www.irsell.eu>.



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Kick-off meeting

The Kick-off Meeting will be held from 15 to 17 January 2018 at Fujian Normal University, China



Fujian Normal University has long history in Fujian Province and is one of ancient universities in the country. The university celebrates 110th anniversary this year.

Fujian Normal University (FNU), a century-old university based in Fuzhou, a historic cultural city known as “Land of Culture on the Coast”, is a time-honored and well-acclaimed provincial institution of higher learning. Founded as Fujian Superior Normal School in 1907 by the famous late-Qing scholar Chen Baochen, who once served as the teacher of China’s last emperor, the present day FNU went through a few changes—merging with the former Hwa-Nan Women’s College of Arts and Sciences, Fukien Christian University and Fujian Provincial Teachers School respectively—to form Fujian Teachers College in 1953. In 1972, the University was renamed Fujian Normal University and has been thus referred to since then. In 2012, the Ministry of Education and Fujian government signed an agreement to jointly support the development of the University. In 2014, FNU was designated as a “provincial high-level university for prioritized construction”. For more information you can visit websites: <http://www.fjnu.edu.cn/english>.

For more information please visit www.irsel.eu



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