



TEMPUS GE-UZ project

Geoinformatics: enabling sustainable development in Uzbekistan

530808-TEMPUS-1-2012-1-HU-TEMPUS-JPCR Tempus IV

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UWH GEO

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Aims

To ensure that UZ partner universities have the capacity to offer a Master programme in Geoinformatics that meet Bologna process and international academic quality.



Why GIS can be essential?

- Many problems:
 - Land degradation
 - Heavy use of agrochemicals
 - Environmental and health problem
 - land registration in Uzbekistan is done manually without using computer-based GIS, mainly due to lack of competence in digital mapping and particularly lack of competence in GIS

GIS is powerful tool for decision making in national development and poverty reduction strategies; a coordinated and effective response to natural hazards, epidemic; and protect vulnerable populations.

Objectives

- Develop a successful MSc in Geoinformatics
- Ensure qualified staff for course delivery
- Build a sustainable educational network
- Support UZ in sustainable development



Develop a successful MSc in Geoinformatics

WP 2. Curriculum development (DEV)

- 2.1 As-is survey, needs analysis
- 2.2 Bologna conform curriculum
- 2.3 Accredited and licensed courses

WP 3. Development of learning materials (DEV)

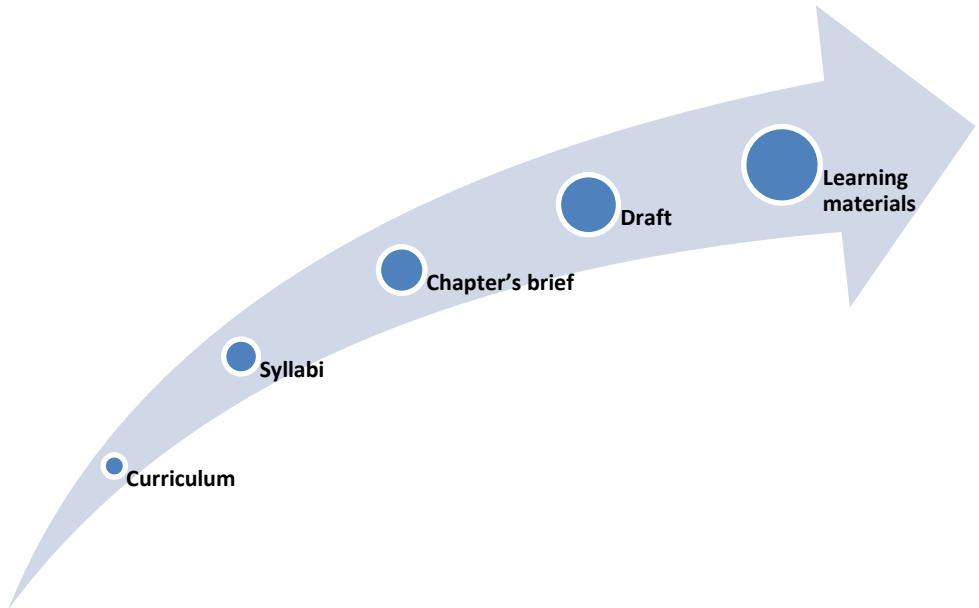
- 3.1 Guidelines
- 3.2 Course syllabi in English
- 3.3 8 modules in Uzbek
- 3.4 Review
- 3.5 Final draft
- 3.6 Feedback from the pilot course
- 3.7 8 core modules in Uzbek and Russian

WP 5. Development of learning environment (DEV)

- 5.1 Learning Management System (LMS)
- 5.2 Installation and operation of 4 computer labs
- 5.3 Use of photogrammetric workstation, laserscanner

WP 7. Quality Management (QPLN)

- 7.1 Quality Manual assuring project quality
- 7.2 Guidelines for Quality Assurance of learning material development
- 7.3 Guidelines for Quality Assurance of course delivery
- 7.4 External Evaluation Report (EER)



Outcomes

- 1. Project management (MNGT)
 - 1.1 Well managed communication and reporting
 - 1.2 Coordinated use of project resources
 - 1.3 Careful cash-flow and budget handling
- 2. Curriculum development (DEV)
 - 2.1 As-is survey, needs analysis
 - 2.2 Bologna conforming curriculum
 - 2.3 Accredited and licensed courses
- 3. Development of learning materials (DEV)
 - 3.1 Guidelines
 - 3.2 Course syllabi in English
 - 3.3 8 modules in Uzbek
 - 3.4 Review
 - 3.5 Final draft
 - 3.6 Feedback from the pilot course
 - 3.7 8 core modules in Uzbek and Russian
- 4. Train-the-teachers (DEV)
 - 4.1 32 trained teachers prepared for course development
 - 4.2 12 trained teachers in data acquisition and GeoDBMS
 - 4.3 12 trained teachers in data analysis
 - 4.4 12 trained staff members in educational quality assurance
- 5. Development of learning environment (DEV)
 - 5.1 Learning Management System (LMS)
 - 5.2 Installation and operation of 4 computer labs
 - 5.3 Use of photogrammetric workstation, laserscanner
- 6. Educational network development (DEV)
 - 6.1 National network based on agreements
 - 6.2 International network based on agreements
- 7. Quality Management (QPLN)
 - 7.1 Quality Manual assuring project quality
 - 7.2 Guidelines for Quality Assurance of learning material development
 - 7.3 Guidelines for Quality Assurance of course delivery
 - 7.4 External Evaluation Report (EER)
- 8 Pilot course implementation
 - 8.1 Business plan (BP)
 - 8.2 Potential students informed
 - 8.3 Motivated students admitted into the MSc course
 - 8.4 16 trained teachers prepared for use of new technologies
 - 8.5 24 students give feedback on the course materials and course delivery
- 9. Dissemination and awareness (DISS)
 - 9.1 Brochures, posters, presentations and other PR materials
 - 9.2 Project website
 - 9.3 GE-UZ visibility in social and professional media
 - 9.4 4 newsletters (annual)
 - 9.5 80 participants from CA countries will be informed on the project results

Sustainable MSc courses

Quality management system

8 textbooks in Uzbek

Learning Management System

32 trained teachers

4 computer labs

Equipments

Learning Management System

<http://elearn.geoinformatics.uz/>

You are logged in as [Administrator](#) | [Logout](#) | [English \(en\)](#)

Tempus Geuz Geoinformatics Uzbekistan

[Home](#)

Navigation

- [Home](#)
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- [Site pages](#)
- [My profile](#)
- [My courses](#)

Settings

- [Front page settings](#)
- [Turn editing on](#)
- [Edit settings](#)
- [Users](#)
- [Filters](#)
- [Backup](#)
- [Restore](#)
- [Question bank](#)
- [My profile settings](#)
- [Site administration](#)

My courses

Workshop Szekesfehervar

Materials for the Workshop in Szekesfehervar

Teacher: Ichromon Abdullaev
Teacher: Oida Alibayov
Teacher: Olimjon Allamazarov
Teacher: Olaibek Avchayev
Teacher: Altaiqergan Bildejondov
Teacher: Tolmas Bobayev
Teacher: Bernhard Breit
Teacher: Oytun Caglar
Teacher: Yalhishmurad Khudayberganov
Teacher: Nigmatdin Mamutov
Teacher: Béla Márkus
Teacher: György Molnár
Teacher: Djamaratdin Muminjanov
Teacher: Uzbekiston Multicos
Teacher: Belichenkoj Nazarov
Teacher: Zyo Ohanov
Teacher: Andrea Pásztor
Teacher: Sherald Rahimovny
Teacher: Atsgej Rupev
Teacher: Esfikabul Satarov
Teacher: Amanjon Saydov
Teacher: Akmatjan Yuldashev

Spatial Analysis Workshop Salzburg

Teacher: Bernhard Breit
Teacher: Ragna Hauthoer-Stampf
Teacher: Barbara Hofer
Teacher: Fakhri Khalid
Teacher: Martin Lüdt
Teacher: Béla Márkus

Courses

Courses	Edit	Select
Workshop Szekesfehervar		<input type="checkbox"/>
2.1.1 Geoinformation Systems and Sciences		<input type="checkbox"/>
2.1.2 Remote Sensing		<input type="checkbox"/>
2.1.3 Spatial Data Models		<input type="checkbox"/>
2.1.4 Data Acquisition and Data Integration		<input type="checkbox"/>
2.2.1 Geodatabases and Distributed Architectures		<input type="checkbox"/>
2.2.2 Cartography and Geovisualization		<input type="checkbox"/>
2.2.3 Spatial Analysis		<input type="checkbox"/>
2.2.4 Project Management and Organisation		<input type="checkbox"/>
Spatial Analysis Workshop Salzburg		<input type="checkbox"/>

Move selected courses to...



Openings









Project partners

Coordinator

P1 University of West Hungary (UWH), Sopron, HU

Uzbekistan

P2 National University of Uzbekistan named after Mirzo Ulug'bek (NUU), Tashkent, UZ

P3 Karakalpak State University (KSU) Nukus, UZ

P4 Tashkent Architecture Building Institute (TABI) Tashkent, UZ

P5 Tashkent Institute of Irrigation and Melioration (TIIM) Tashkent, UZ

P6 Ministry of Higher and Secondary Specialized Education (MHSSE) Tashkent, UZ

P7 National Center of Geodesy and Cartography (NCGC) Tashkent, UZ

P8 State Unitary Enterprise "Geoinformkadastr" (Geoinformkadastr) Tashkent, UZ

EU

P9 Paris-Lodron Universität Salzburg (PLUS) Salzburg, AT

P10 Royal Institute of Technology (KTH) Stockholm, SE

P11 University of Greenwich (UoG) London, UK

Websites

www.ge-uz.eu/

www.geoinformatics.uz

The screenshot shows the homepage of the GEOUZ Tempus website. The header features the EU Tempus logo and the GEOUZ logo. The main content area includes a welcome message, a photo of five people at a table, and several news items. On the left, there's a sidebar with user navigation and a search bar. On the right, there's a sidebar for 'Autumn 2013' news and a photo of a street scene.

2013

Posters



This project has been funded with support from the European Commission. This publication reflects the views only of the author(s) and the Commission cannot be held responsible for any use which may be made of the information contained therein.

The GE-UZ

GeoInformatics: enabling sustainable development in Uzbekistan.



Objectives:

- to develop a successful MSc in GeoInformatics,
- to ensure that there will be qualified staff available for course delivery by organising train-the-teachers
- to ensure the universities are adequate equipments for GIS/geodesy teaching by buying geodetic equipment and GIS laboratories
- to ensure the sustainability of the educational environment with building a sustainable educational network.

Partners:

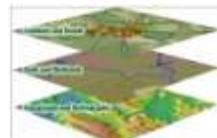
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- P3 Karakalpak State University (KSU) Nukus, UZ
- P4 Tashkent Architecture Building Institute (TAB) Tashkent, UZ
- P5 Tashkent Institute of Irrigation and Melioration (TIIIM) Tashkent, UZ
- P6 Ministry of Higher and Secondary Specialized Education (MHSSSE) Tashkent, UZ
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- P10 Royal Institute of Technology (KTH) Stockholm, SE
- P11 University of Greenwich (UoG) London, UK



Website: www.ge-uз.eu

Project coordinator:
Prof. Markus Reba – reba@geo.uwh.hu
University of West Hungary (UWH)

Partner country coordinator:
Olib Akbarov – oliba@yahoo.com
Tashkent Institute of Irrigation and melioration (TIIIM)



Outcomes:

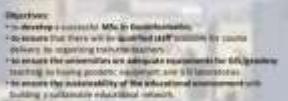
- As-is analysis report
- Updated Bachelor program in Geodesy, Cartography and Cadastre
- MSc curriculum and syllabus in GeoInformatics
- Master courses (8 modules and summer school)
- Developed and published teaching materials
- Retrained staff
- Trained students
- Established centers: website/network portal, 4 GIS labs, software, GIS/surveying equipment
- Dissemination activities
- Business plan and cooperation agreement



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Project coordinator:
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University of West Hungary (UWH)

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Tashkent Institute of Irrigation and Melioration (TIIIM)
www.geo-informatics.cz

Created by Anasofia Gómez

Kick-off meeting, 2013

GI_Forum 2013, Salzburg, Austria

Articles

Geoinformatics: enabling sustainable development in Uzbekistan

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Huaan Fan⁴,
Fakhar Khalid⁵, Mike McGibbon⁵

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Articles

Geoinformatics: enabling sustainable development in Uzbekistan

Needs and responses

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Articles

**Ўзбекистондаги ҳамкор университетларда Геоинформатика
магистратура мутахассислиги учун таълим тизимини
яратиш**

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2 Фарбий Венгрия университети, Будапешт, Венгрия

3 Париж-Лодрон университети, Залцбург, Австрия

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Newsletters

Development of learning environment, academic quality assurance, partners



Tempus
GE-UZ Newsletter Nr 2, May 2013



GEOUZ

The GE-UZ

Geoinformatics: enabling sustainable development in
Uzbekistan www.geuz.ru & www.geoinformatics.uz



Tempus

GE-UZ Азборотнома № 2, Mai 2013



GECUZ

The GE-UZ

(Геоинформатика: Узбекистонда бирордир ривожланганша
ҳизматини ташкилантиш - [www.ge-uz.eu](http://ge-uz.eu) & [www.geoinformatics.uz](http://geoinformatics.uz))

Мулодарни

- Политикадан ишлаб чибарсан
- Тайлан оидигина равозлантириш
- Moodle, Lms
- Веб-сайт

- Геоинформатика саласидаги мактабнинг
- с. КТН
- ТИИИ
- Геоинформатика

Kick-off meeting in Tashkent
A well-organized and successful conference was held in Tashkent with GE-UZ project partners on 17-18 January in 2013. The goal of the project is to ensure that Uzbek partner universities (TBU, TABU, KGU) will have the capacity to offer a doctoral program "Gesamtkunstwerk" that meets bologna process international academic quality standards, job market needs and support Uzbekistan in sustainable development. The objective of the conference was bringing project partners and stakeholders together around to discuss project aims, tasks and future plans. The conference was organized by Uzbek partners and visited in NUIA, TABU and TBU premises.



The Vice Rector of TAU welcomed the project partners and wished a very fruitful cooperation on the 1st day of the conference. Under the guidance of Prof. Boaz Markus [Project Coordinator], PAB (Project Management Board) meeting was held in TAU premises with participation of Project Partner Coordinators, to discuss the project objectives, undertaken tasks, future plans, expected outcomes and responsibilities. Several meetings and decisions were passed regarding work-packages. In the afternoon, the project partner coordinators met the stakeholders and project beneficiaries at PAB (Project Advisory Board) meeting organized at NJU premises. First Dr. Dafna Albaroni-TBH and Andrea Pernici (WUR) presented the objectives of the project and the results of the needs analysis for beneficiaries. After acceptance of several

useful meeting a conference dinner was addressed to project partners at IBM where we could get acquainted with each other much better and enjoyed the local dishes and traditional Uzbek dances. In a word a dash of Uzbekistan. The hospitality and the local people's attitude were amazing and respectful.

To sum up the kick-off meeting, one thing is for sure; the conference was obviously positive and effective driven by institution firms supported by participants from all over the globe. Thank you to the organizers especially Dr. Abdullaev, who organized a number of presentations and identified what we were able to meet with stakeholders and beneficiaries personally and experienced that Uzbekistan and more precisely the project partner need to be provided with Arctic Geospatialistics qualification. Uzbekistan declared no visible progress and stay on the way of development, which is the main goal of the project.

Лейтенант очищек нахристи
2013-й. Взял в 17-18 января курсы СБ-412
лечебного очищения яичник марсово-чкарофитом
Рязань.
Лейтенант - давни макары
Ульяновскому южному университату (Тимонин
ТАИИ). УМУМ, КафДМС. Болеею жаждею.
Задорно таланы сифе стандартары, молот
бензин сапиердик же ведение
и Ульяновскими барбором очищением яичник
результаты очищеник яичник марсово-чкарофитом
все инструменты патогенитиким привозил избара.
Командование давни лобзик хамароды за
мужество. Тимонин Николай Герасимович обещание
написал на маздаради, кружевами склонил рекомендаци
акта о награждении чукческих казаков. Конференция
Ульяновскому южному университату (Тимонин
ТАИИ). ТАИИ за УМУМ за ученые.



Ученикът използва таланта на изразяване чрез изграждането на кинеси. Всеки акт библиотека за изследване на кабър използва същ. цирковия УМЧМ. Теографична книга „Галактика“ фокусирането е било във външността.

Конференцията има място в рамките на ТИМС „Разговори проф. Устин Узуновски – заболяването очище“ организирана от същия сън библиотека. Като представител на УМЧМ е приет Симеон Струмски – директор на Библиотека „Борис Бугарев“. На конференцията са представени теми като възможността на използването на кабър във външността на изложба и използването на кабър за промоции на изложбата и т.н.

пакетом підтримки залежності координатора від підконтрольних та неконтрольованих територій міжнародного вищого рівня. Усю цю підтримку залежності координатора від підконтрольних та неконтрольованих територій ТІМНАС вимірює позитивно чи негативно та зазначається відповідно до цього.

Thank you for your attention
ge-uz@geo.info.hu