



**Land information systems and administration.
TEMPUS Project in Russia.**

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Russian Federation**

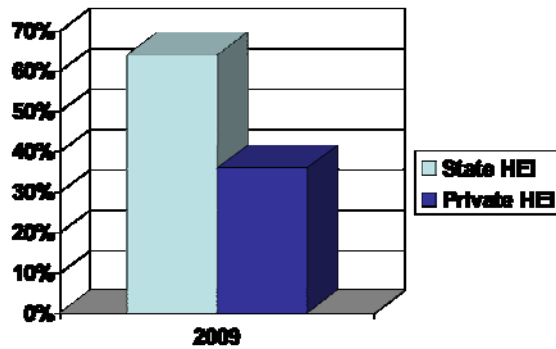


Moscow State University of
Geodesy and
Cartography (MIIGAiK)
was established in 1779
and it is the center of
higher geodetic education
in Russia and the largest
educational institution of
this type in Europe

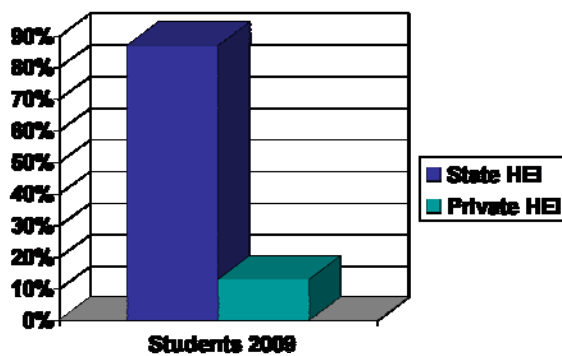




Main Features of the Russian Federation Education System



Students in HEIs





TEMPUS PROGRAMME

**Tempus is one of a number of
European Community programmes
designed to help the process of social
and economic reform
and/or development in the Partner Countries**



TARGET COUNTRIES

- The Partner Countries currently included are the Western Balkan Countries, the Eastern European and Central Asian Countries, and the Mediterranean Partners





Eastern Europe and Central Asia:

Armenia (AM); Azerbaijan (AZ); Belarus (BY); Georgia (GE); Kazakhstan (KZ); Kyrgyzstan (KG); Moldova (MD); Mongolia (MN); Russian Federation (RU); Tajikistan (TJ); Turkmenistan (TM); Ukraine (UA); Uzbekistan (UZ)



Western Balkans (CARDS):

Albania (AL); Bosnia and Herzegovina (BA); Croatia (HR); former Yugoslav Republic of Macedonia (MK); Kosovo; Serbia and Montenegro (CS)



MEDA:

Algeria (DZ); Egypt (EG); Israel* (IL); Jordan (JO); Lebanon (LB); Morocco (MA); Palestinian Authority (PS); Syria (SY); Tunisia (TN)



General project idea:

To develop advanced international
Master programme
“Land information system and
administration”





CONSORTIUM MEMBERS:

Partner Country:

Moscow State University of Geodesy and Cartography
Siberian State Geodetic Academy
Southern Federal University

European Union:

Royal Institute of Technology (Stockholm, Sweden)
Aalto University (Helsinki)
Delft University of Technology

Non-academic:

National Land Survey of Finland
Federal Cadastral Centre "Zemlya"
The Federal Educational Agency
Russian Federal registration authority



Specific objectives:

- to elaborate and introduce new Master Programme
- to train students and retrain teachers
- to establish Information Centres
- to enhance international cooperation
- to build up capacity of RU Universities





Activities:

- methodological seminar
- workshop
- study visits to EU Universities
- info-sessions in Russia
- dissemination



IT Module:

- Introduction to Geodesy and Cartography (OPTIONAL) (10 ECTS)
- Land information systems (10 ECTS)
- Cadastral Technology (5 ECTS)
- Geodesy and Geomatics (5 ECTS)





Administrative module:

- **Legal track**
- Civil Law (OPTIONAL) (10 ECTS)
- Environmental Land and Planning Law (6 ECTS)
- Comparative law (4 ECTS)
- **Economical track**
- Economics (OPTIONAL) (10 ECTS)
- Real estate investment (6 ECTS)
- Real estate valuation (4 ECTS)



Integrative module :

- **Urban land planning and development (10 ECTS)**
- **Mass valuation with GIS-methods (10 ECTS)**
- **Negotiations and communication (5 ECTS)**
- **Infrastructure (5 ECTS)**



Zones of responsibility for each Russian University:

- to develop courses, teaching materials
- to include new Master programme into Universities structure
- to ensure student's recruitment to the new Master



New courses, teaching materials:

- courses structure
- literature
- teaching materials (compendium for each course)





New Master programme in the frames of each University:

- responsibility of universities departments
- order of students admission (basic requirements)



Student recruitment:

- advertizing activities
- selection procedure
- contacts with employers





Principles of curricula development:

- in line with Bologna (descriptors):
 - learning outcomes
 - practical oriented approach
 - modern teaching methodologies
- e-learning component availability
- quality assurance
- diploma supplement



Thank you for your attention