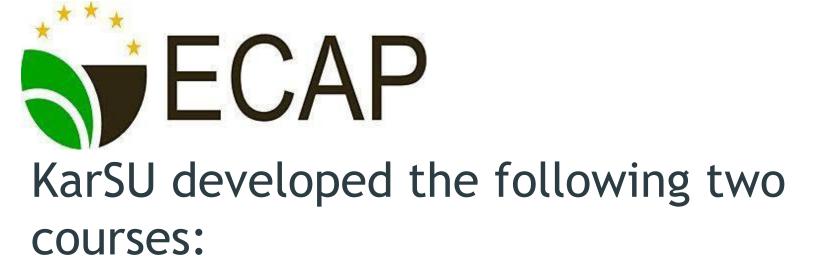




Impact of ECAP project in Uzbekistan



Slides developed by KarSU staff



- 1. "GIS and Environmental Modeling Fundamentals for Ecologists"
- 2. "Climate Changes And Land Use Management"







Both courses are available in two languages: Uzbek and English

The reason od penetration of especially these two courses is because:

- Ecological crisis of Aral Sea
- Global climate change, i.e. learning impact of climate change of Aral region
- Learning the effects of climate change on agriculture





"GIS and Environmental Modeling Fundamentals for Ecologists"

- Chapters:
- 1. The concern and context of environmental model
- 2. Introduction to environmental simulation
- 3. Spatial Data Models and Formats
- 4. Numerical aspects of environmental modeling
- 5. Introduction to spatial analysis
- 6. Air transport models
- 7. Models for sub-surface transport processes
- 8. Ecosystem modeling





"Climate Changes And Land Use Management"

- Chapters:
- 1. Introduction to climate change science: global warming and climatic trends
- 2. Climate change, desertification and regional water balance
- 3. Conception of ecosystem services
- 4. Application of ecosystem services conception
- 5. Use of ecosystem services conception and cost benefit-analysis
- 6. Land management, environment and adaptation strategies
- 7. Land use planning
- 8. Introduction to LIS





ECAP laboratory

ECAP lab was opened in KarSU, funded by ECAP project. Currently, students are using this lab for educational purposes. Moreover, pilot tests are held in this lab.







Achievements of ECAP project

- Penetration and active use of Moodle platform by staff and students
- Students are learning to solve ecological problems via GIS methods
- With a help of ECAP laboratory (20 computers) students are practically learning Land use modeling +





Thank you for your attention!

If you have further questions, please do not hesitate to ask questions