



# Impact of ECAP project in Uzbekistan



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Slides developed by KarSU staff



KarSU developed the following two courses:

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



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## Courses:

Both courses are available in two languages: Uzbek and English

The reason of 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



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# "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



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# 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.



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## 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 +



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**Thank you for your attention!**

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