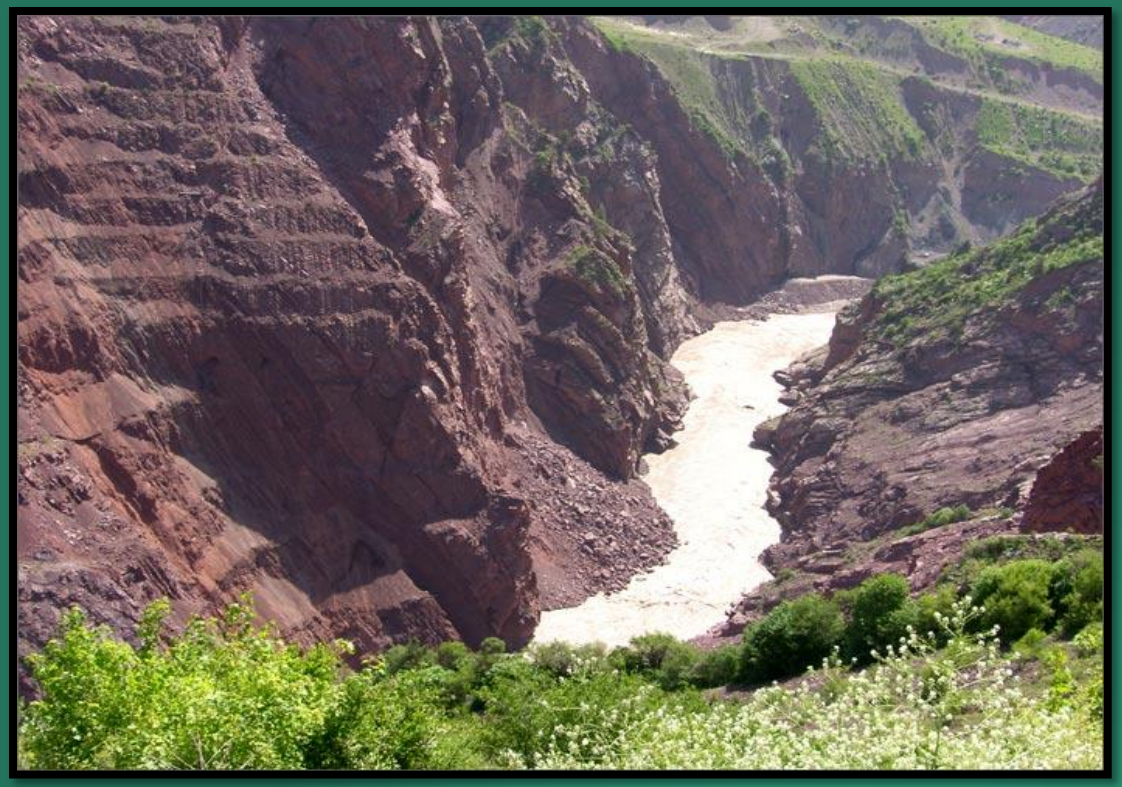
Hydraulic Dams and Water Resources in Central Asia



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- The problem of water management is a fairly young
- Moscow was determined the centralized distribution of water resources between the countries of Central Asia.

The main consumption of water complexes of Central Asia goes to hydropower and irrigation.

Hydropower and Agriculture

- The competition for water between agriculture and energy sectors is not new.
- Focus of the research – the optimal allocation of water between competing uses and under varying constraints.

Effective management of water resources

- Despite the efforts of CA countries the problem of water use still remains unsolved

- It is known, there are no unsolvable problems, there are some unpleasant solutions

International cooperation

- International cooperation in the management of water resources can include both the development and implementation of joint research projects in Central Asia.
- A number of projects proposed by researchers from the AUCA, Kyrgyz Republic, and Michigan State University, USA.

International cooperation

CARIN project – *Central Asia Regional Information Network*

- Create a database on water resources of CA
- Use of GIS techniques for monitoring changes in the state of the countries' nature, including CA water resources
- Create ground-based information centers for the concentration of information on the state of water resources and for the subsequent use of water users, both on the local and regional levels.

International cooperation

CARAN project – *Central Asia Regional Agricultural Network*

- The essence of the project - the creation of a network of agrarian Central Asian countries. In other words, by holding the agro- ecological zoning of CA to offer new solutions for agricultural specialization of CA.
- The CARAN should help the countries of Central Asia will provide a gradual transition to a new specialization, which would be adequate climate, land and water resources of Central Asia, i.e. would have developed under the concept of climate-smart agricultural production in Central Asia

Thank you for Attention