

Ecohydrological Approaches to Wise Use,
Restoration,
Management and Conservation of Wetlands
Třeboň, Czech Republic 4 - 9 June 2007

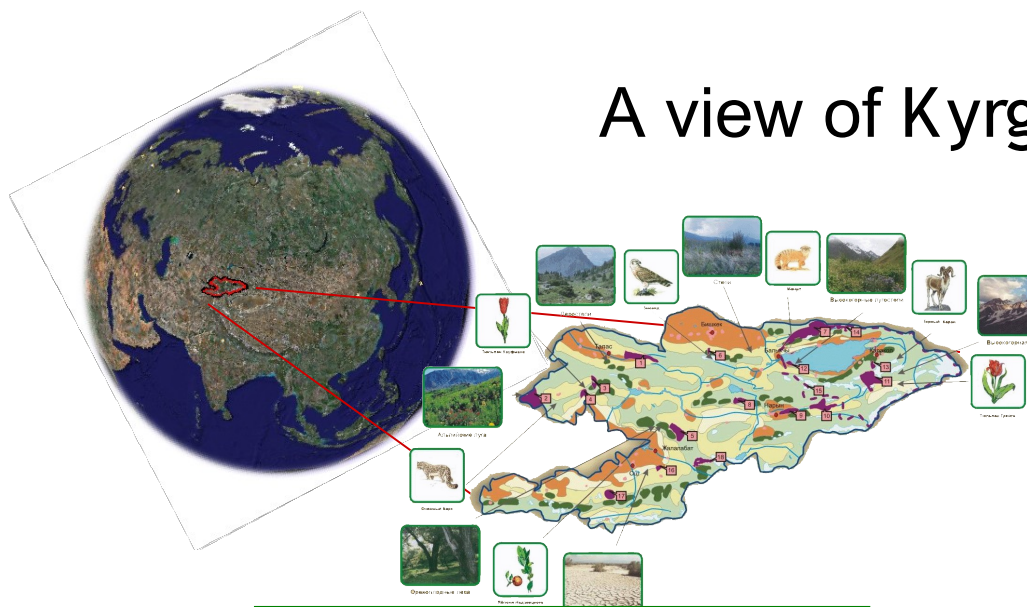


Wetlands conservation activity

Expertness and
approaches of Ecological
Movement BIOM,
Kyrgyzstan

Domashov Ilia,
Ecological Movement "BIOM"

A view of Kyrgyzstan ...



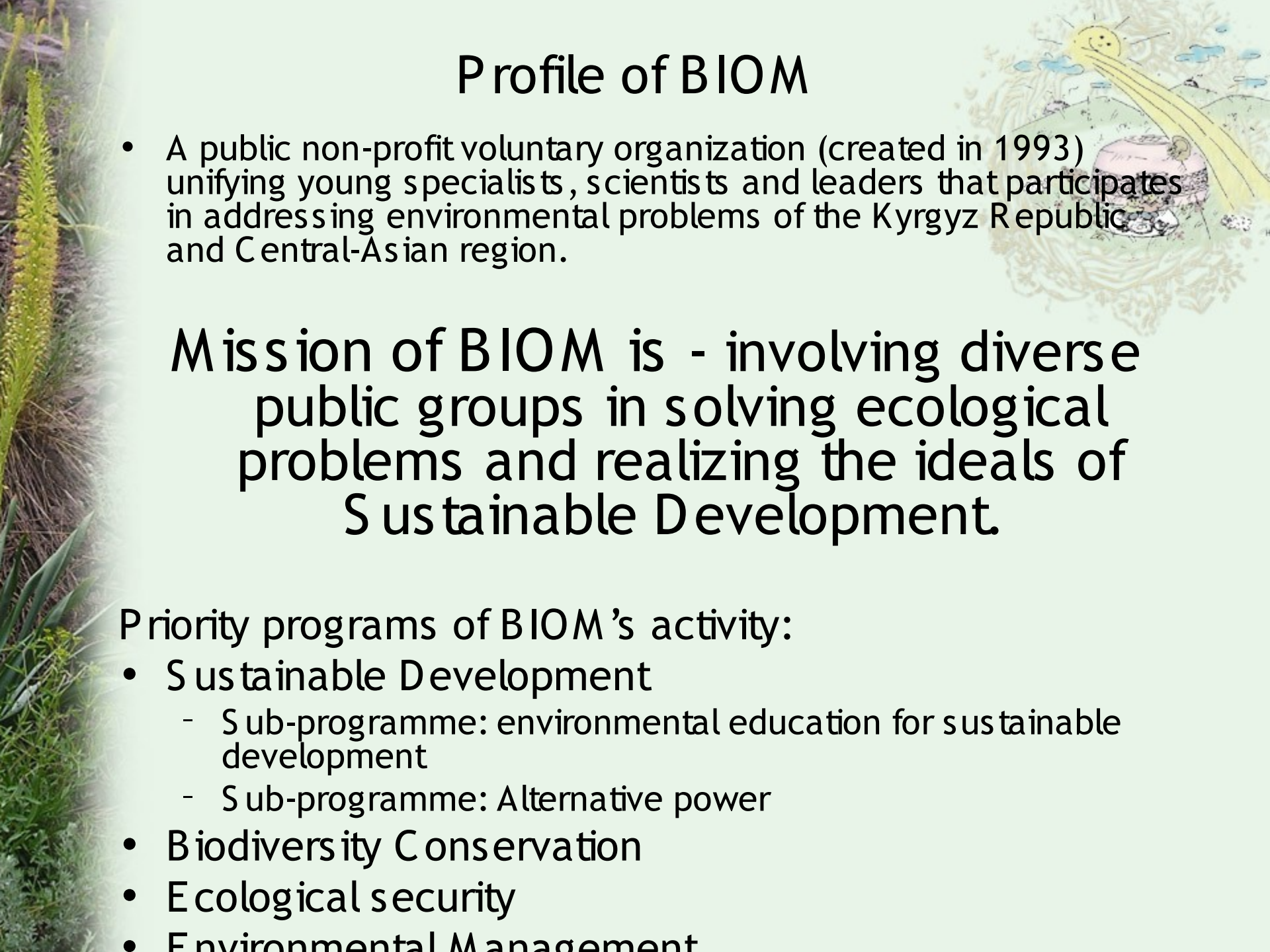
Profile of BIOM

- A public non-profit voluntary organization (created in 1993) unifying young specialists, scientists and leaders that participates in addressing environmental problems of the Kyrgyz Republic and Central-Asian region.

Mission of BIOM is - involving diverse public groups in solving ecological problems and realizing the ideals of Sustainable Development.

Priority programs of BIOM's activity:

- Sustainable Development
 - Sub-programme: environmental education for sustainable development
 - Sub-programme: Alternative power
- Biodiversity Conservation
- Ecological security
- Environmental Management

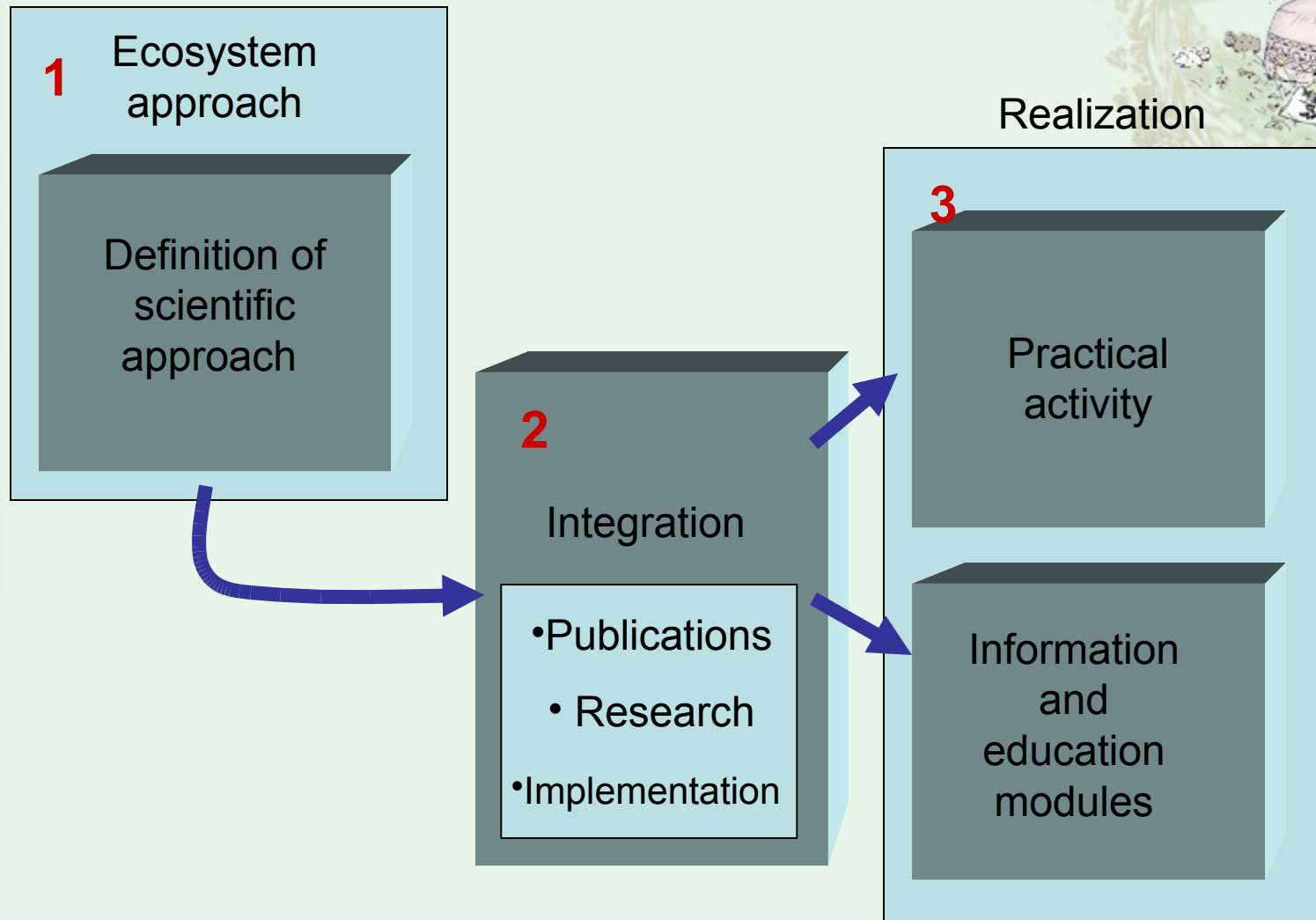




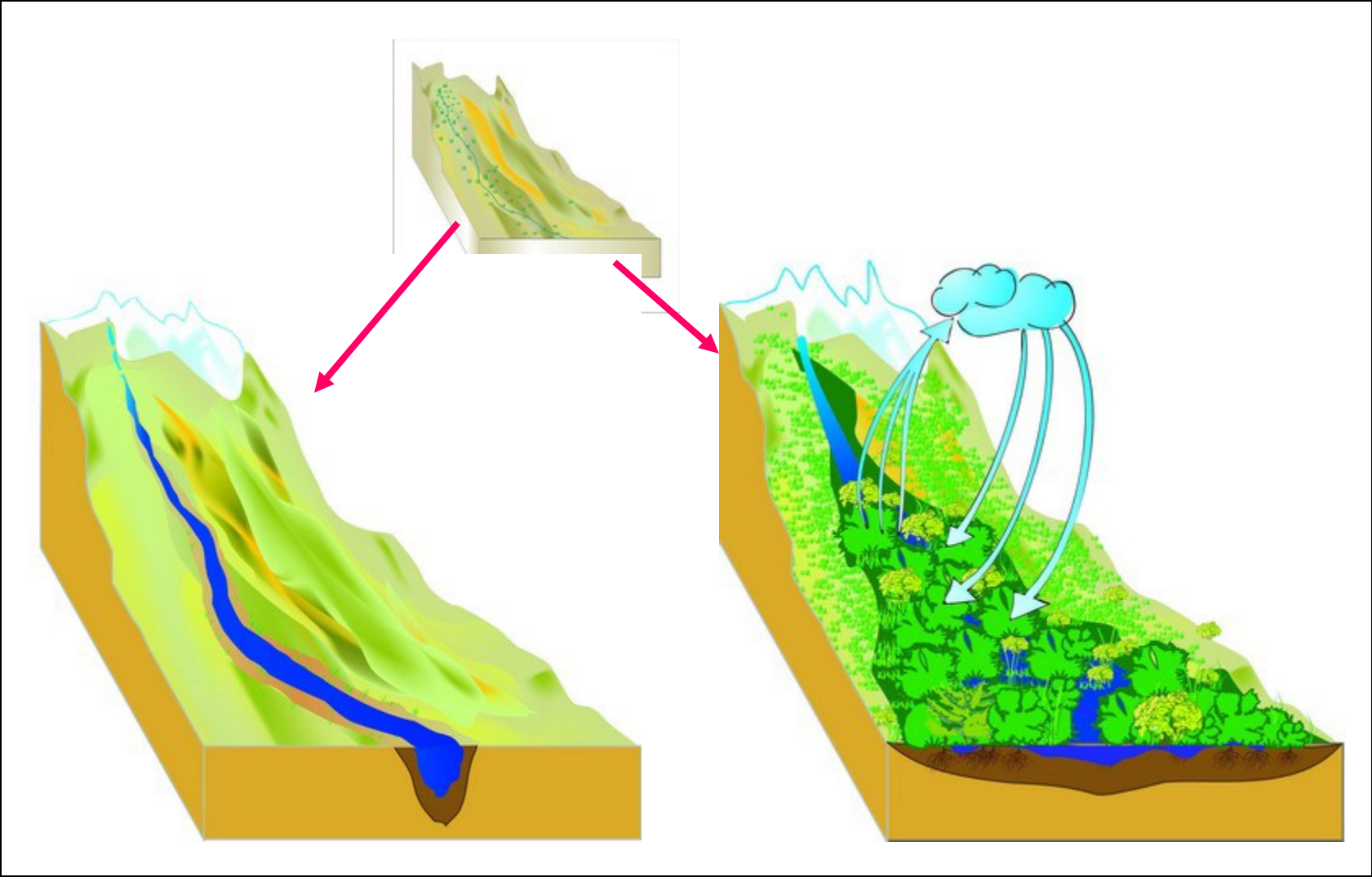
Topic activity

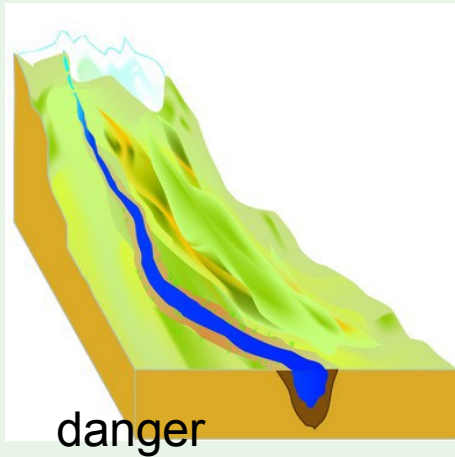
- Conservation of mountain wetlands in Kyrgyzstan
- Conservation of bogs around Issyk-kul lake

5 steps of conservation activity of BIOM



Concept of mountain wetlands conservation in Kyrgyzstan



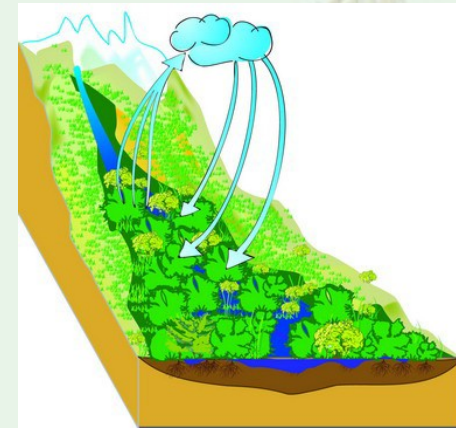


Benefits

- Flow is concentrated in one place

Risks

- High level of destruction, quick flow (erosion, mudflows and floods);
- High level of water haziness;
- Siccation of territories around;



Benefits

- High level of soil moistening;
- Sustainable micro climate;
- High level of moistening of territories around

Risks

- Complicated access directly to the river.



Benefits for local communities

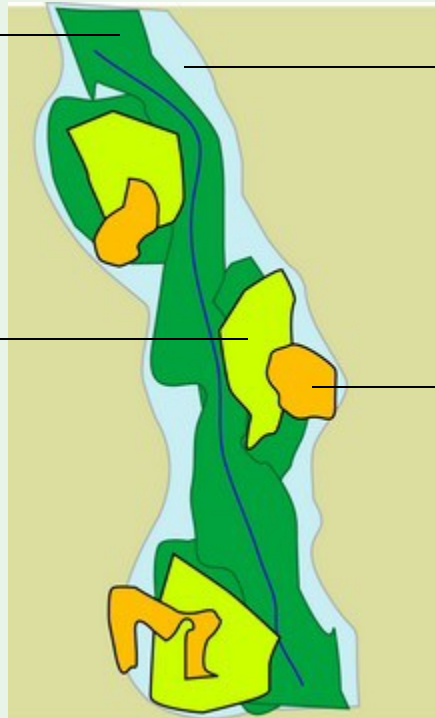


Tugai forests

Area of artificial moistening

Forest plantations

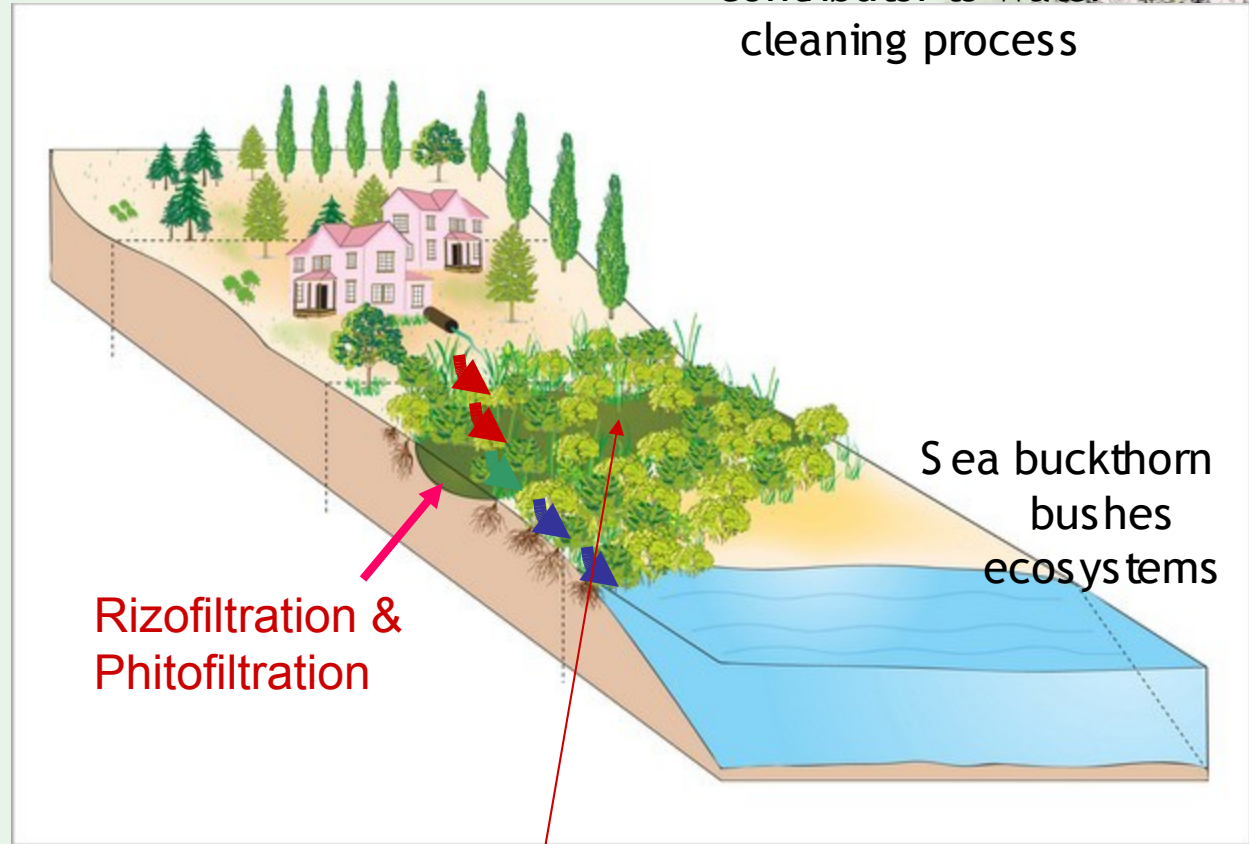
Planting of berry-fields and other bushes



Concept of wetlands conservation in Issyk-Kul lake

Polluted water comes to the bugs and, where it is clearing, and then cleaned water flows to Issyk-Kul lake

Microorganisms is the main contributor to water cleaning process



Rizofiltration & Phitofiltration

Sea buckthorn bushes ecosystems

sea-buckthorn (*Hippophae rhamnoides*)

Barberry (*Berberis sphaerocarpa*)

- Concept is developed together with Kyrgyz professor Emil Shukurov,
- Vernadsky V.I.
- Theory of biotic regulation of the environment <http://www.biotic-regulation.pl.ru>



BIOM's publications on conservation of wild ecosystems



Work with local communities



Summary



- Only through assistance of local population it is possible to guarantee sustainable future of water and wetlands in the landscape;
- Not disturbed wetlands increase level of moistening of territory, promote attraction of precipitation, cleaning of water from diverse pollutants, etc.
- Direct benefits for local population from wetlands could come from creation of



Thanks for the attention

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