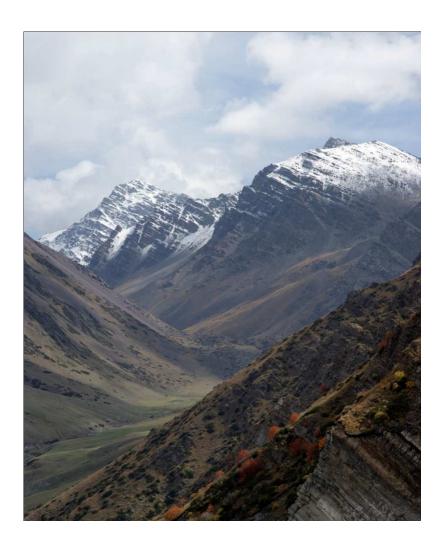
Biodiversity of Central Asia: A Visual Synthesis







(FOEN)

produced by:



Viktor Novikov, Istanbul regional workshop, 19 October 2011

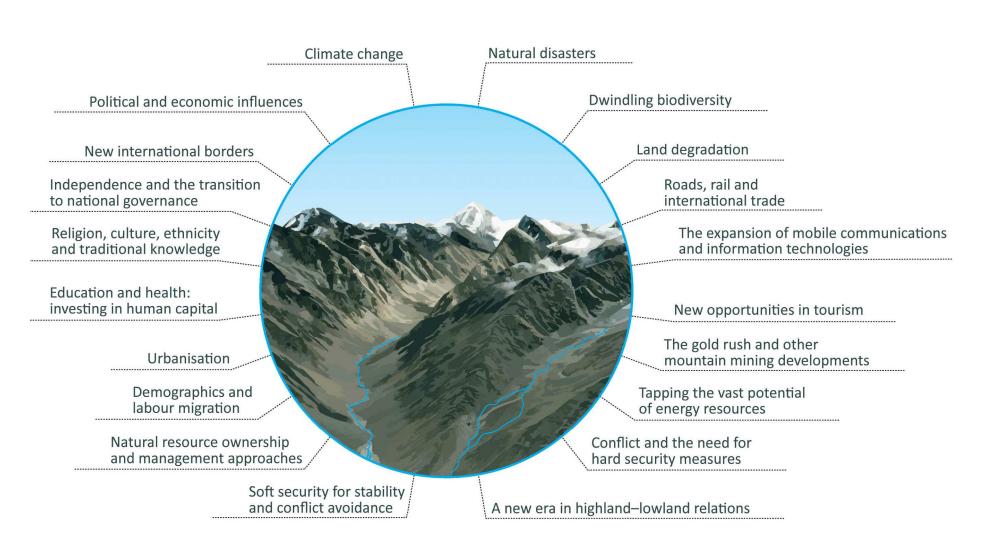
Report preparation process:

- Consult global reports, global databases, eco-footprint
- Consult national biodiversity reports, NBSAPs, SoEs
- Consult scientific and popular papers, officials and NGOs

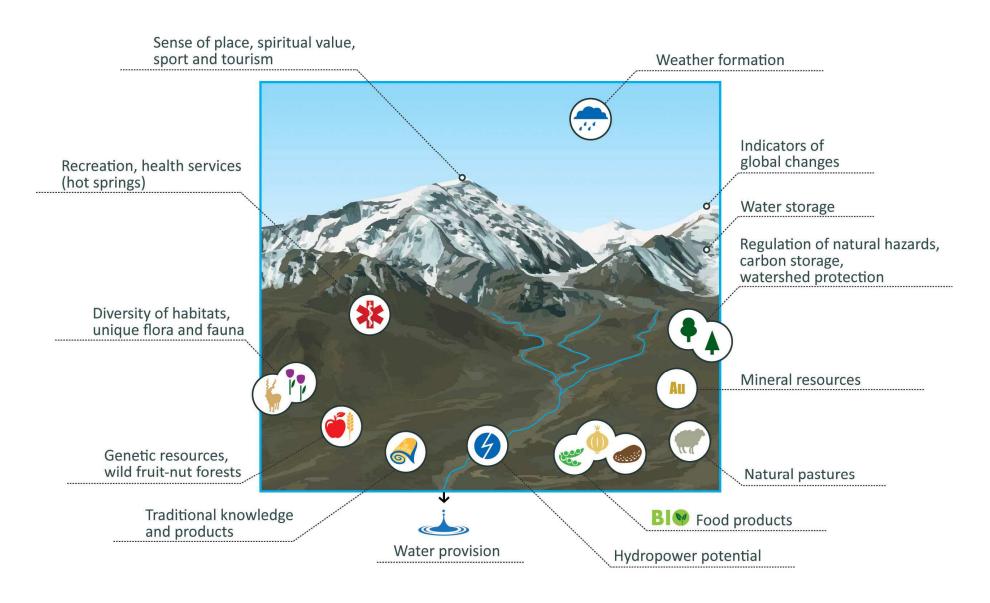
Report contents:

- Central Asia and Global Biodiversity
- Biodiversity Richness of Central Asia
- Biodiversity Products and Services
- Challenges for Biodiversity
- Safeguarding Biodiversity
- Visuals: more than 80 maps and graphics, 30 photos

Drivers of change and trends affecting Central Asia nations and their key ecosystems



Ecosystem goods and services





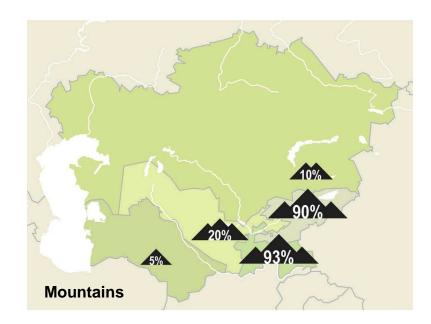
Key ecosystem communities





Steppes

Deserts





Central Asia flagship species



0 100 200 300 km

Map produced by ZOÏ Environment Network, October 2011



Map produced by ZOÏ Environment Network, October 2011

 $Source: Interactive Agricultural Ecological Atlas of Russia and Neighboring Countries (\longrightarrow www.agroatlas.ru/ru/content/vegetation_maps/Arable)$

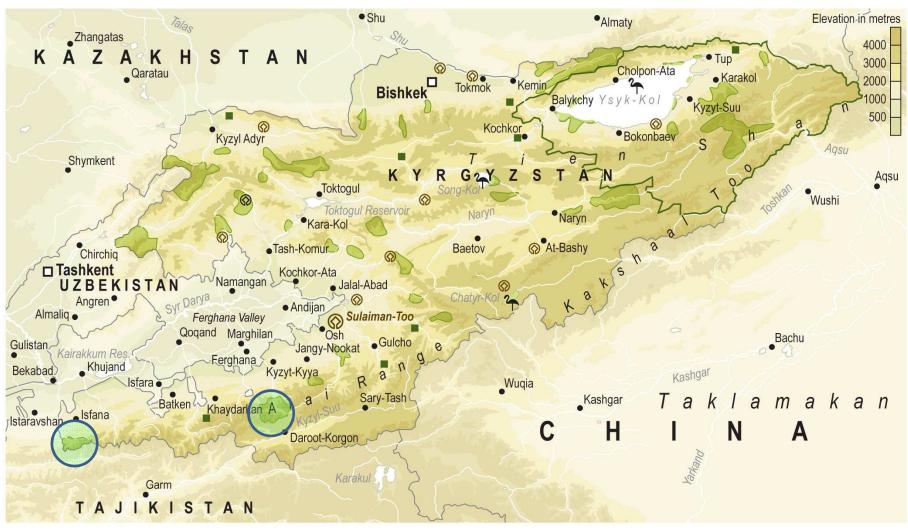


Protected areas in Kazakhstan

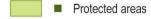


RAMSAR sites (Convention on wetlands of international importance especially as waterfowl habitat)

- UNESCO natural world heritage
- UNESCO cultural world heritage
- Tentative UNESCO natural world heritage
- Tentative UNESCO cultural world heritage

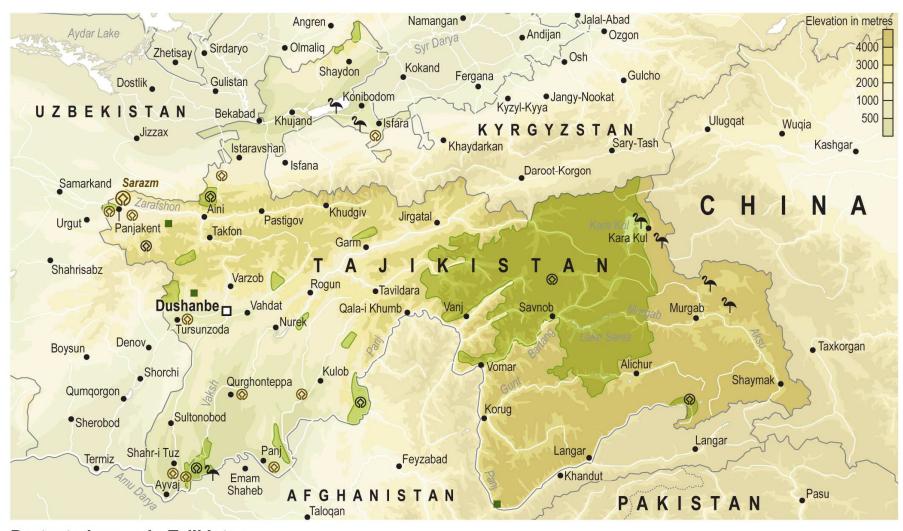


Protected areas in Kyrgyzstan



RAMSAR sites (Convention on wetlands of international importance especially as waterfowl habitat)

- UNESCO natural world heritage
- UNESCO cultural world heritage
- Tentative UNESCO natural world heritage
- Tentative UNESCO cultural world heritage



Protected areas in Tajikistan



- UNESCO natural world heritage
- Tentative UNESCO natural world heritage

- RAMSAR sites (Convention on wetlands of international importance especially as waterfowl habitat)
- UNESCO cultural world heritage
- Tentative UNESCO cultural world heritage



Protected areas in Turkmenistan



2

- - RAMSAR sites (Convention on wetlands of international importance especially as waterfowl habitat)
- UNESCO natural world heritage
- (2) UNESCO cultural world heritage
- Tentative UNESCO natural world heritage
- Tentative UNESCO cultural world heritage



Protected areas in Uzbekistan

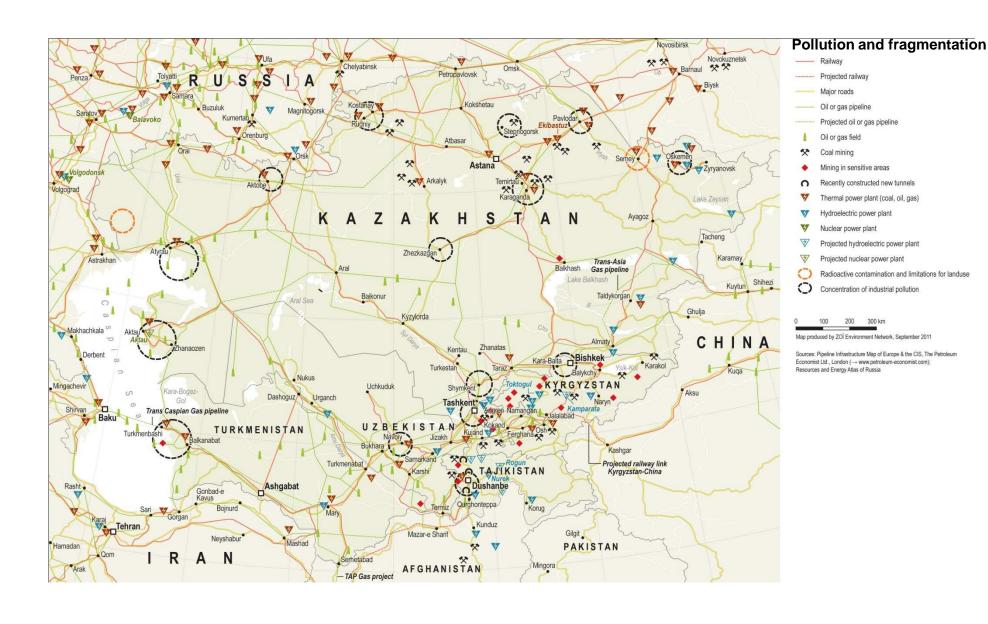


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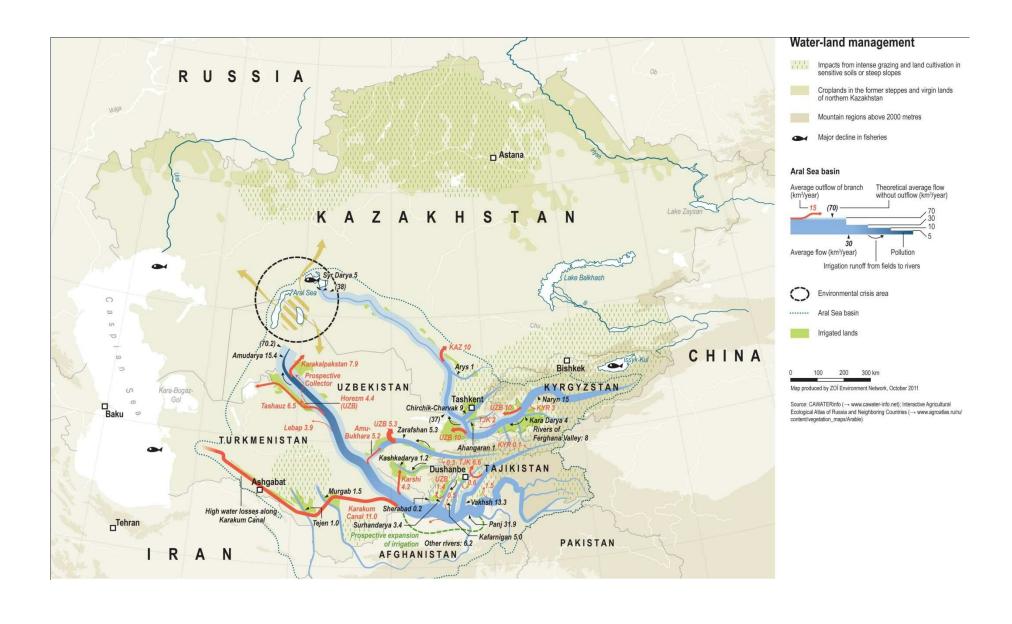
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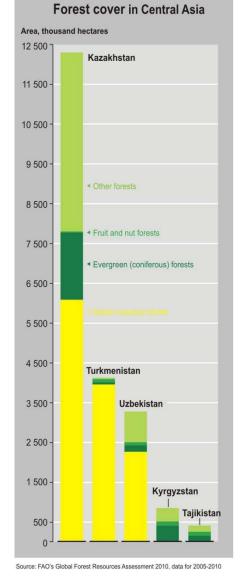






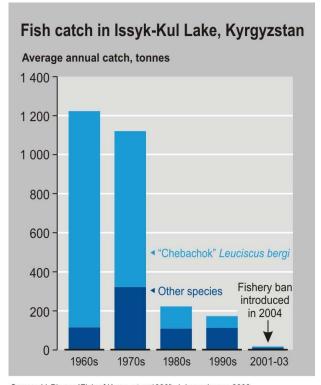




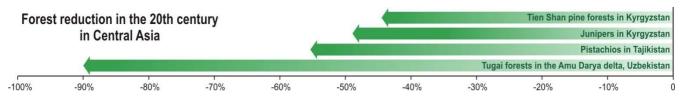








Source: V. Pivnev "Fish of Kyrgyzstan 1990"; J. Ismanbaeva 2008

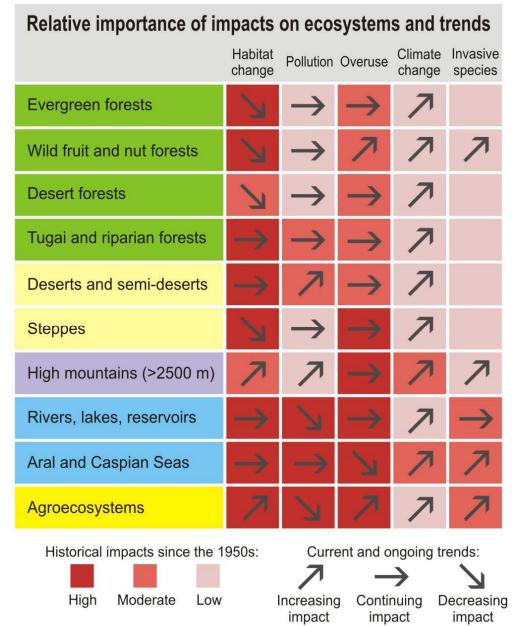


Safeguarding biodiversity





Istanbul exercise



Source: synthesis of information from countries' national biodiversity strategies, reports and expert judgement

Indicators Kazakhstan Kyrgyzstan Tajikistan Turkmenistan Uzbekistan Population pressure on natural ecosystems and agrobiodiversity Ecosystem fragmentation, accessibility and habitat change Climate change challenges for biodiversity Pollution and over-exploitation of biodiversity Challenges of alien species and biosafety control Ecological footprint Forest cover, area Forest cover, tree density and conditions Abudance and distribution of selected species, 1991-2000 Abudance and distribution of selected species, 2001-2010 Change in status of threatened species Fish resources and catch: marine Fish resources and catch: freshwater Genetic resources of agrobiodiversity (domestic animals, plants) Food production, 2001-2010 Agriculture and forestry areas under sustainable management Protected areas (number and coverage): terrestrial Protected areas (number and coverage): freshwater, marine Protected areas ecological corridors: cross-border cooperation Protected areas: management and conservation efficiency Afforestation, control of forest fires and deseases Botanical gardens, nurseries, ex-situ conservation Policies and measures on biodiversity: planning Policies and measures on biodiversity: implementation partial partial partial Biodiversity inventories, monitoring and services

Istanbul exercise