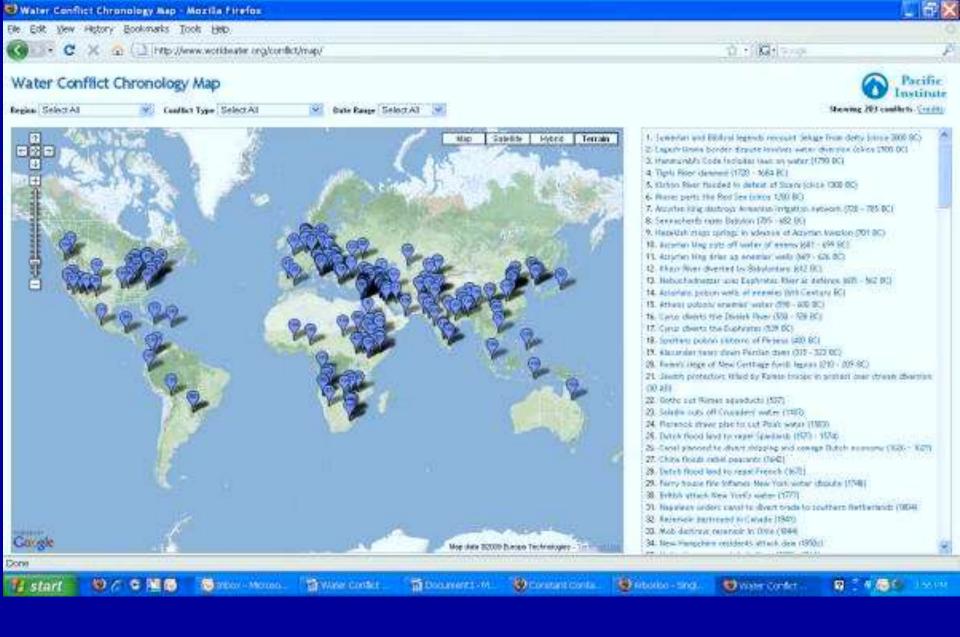
Conflict management and water-related disputes



Helsinki Convention 3.9.2012 MP Pekka Haavisto



Water as a potential source of conflict

Typical water conflicts

- Dispute of the quantity of the water (e.g. use of border rivers, common water table)
- Dispute of the quality of the water (e.g. pollution to rivers and ground water)
- Dispute of the use of the water areas (e.g. fishing)
- Dispute of the use of underwater areas (e.g. oil, natural gas)
- Dispute of the marine borders





Environmental impacts of war

Direct environmental impacts:





Environmental impacts of war

Indirect environmental impacts:





Three ways to look the problem

- Natural resources and environment triggering the conflicts
- How conflicts are influencing to natural resources and environment
- Natural resources and environment as a peace building tool

Natural resources and environment causing the conflicts

- Fight over oil or mineral resources
- Climate change causing environmental refugees
- Natural resources as a financing tool for conflict (forests, diamonds, oil etc.)
- Slowing down the peace processes due to the economic reasons (people benefitting of continued conflict)

Natural resources & conflicts

- Afghanistan
- Angola
- DRC (Congo)
- Indonesia, Aceh
- Liberia
- Sierra Leone
- Somalia
- Sudan, Darfur

- Forests, opium
- Oil, diamonds
- Diamonds, minerals, forests
- Forests, nature gas
- Diamonds, minerals, forests
- Diamonds, coffee, chocoa
- Fishing, charcoal
- Oil, climate change

Conflicts influencing to the natural resources & environment

- Direct influence (destroyed ecosystems, pollution etc.)
- Undirect influence (immigration, refugees, unsustainable use of natural resources etc.)
- Effecting the institutions (collapse of environmental management, increased corruption etc.)

Natural resources & environment in peacebuilding

- Sustainable use of natural resources (e.g. sharing of oil revenues to strenghten peace process)
- Sustainability in reconstruction (environmentally friendly buildings and energy solutions etc.)
- Dialogue and participatory processes (environmental cooperation over borders)

Conclusions

- Conflict prevention: sustainable use of natural resources, climate change adaption, peaceful way of solving conflicts
- During conflicts: help also environment, minimize risks
- After conflicts: environment as part of reconstruction, assess the environmental impacts of the conflicts



Sediment sample from Danube River in FR Yugoslavia, June 1999







Bomb damage at Novi Sad refinery, FR Yugoslavia, May 1999





Refugee camps in FYR of Macedonia, May 1999

Clean-up of environmental « hotspots »

With US\$ 12 million raised from the donor community, UNEP was implementing 15 high priority clean-up operations at three sites:

Pancevo Industrial Complex



EDC, mercury and hydrocarbon remediation, repair of wastewater plant, canal remediation, groundwater monitoring

Kragujevac Car Factory



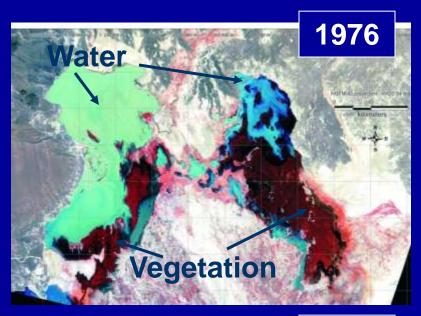
PCB decontamination and treatment/disposal of hazardous wastes

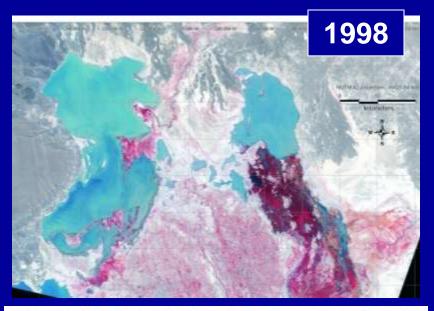
Novi Sad
Oil Refinery



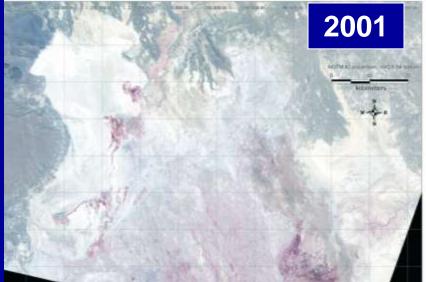
Hydraulic barrier construction, hydrocarbon remediation, repair of wastewater pipeline, groundwater monitoring

Sistan Basin Wetland





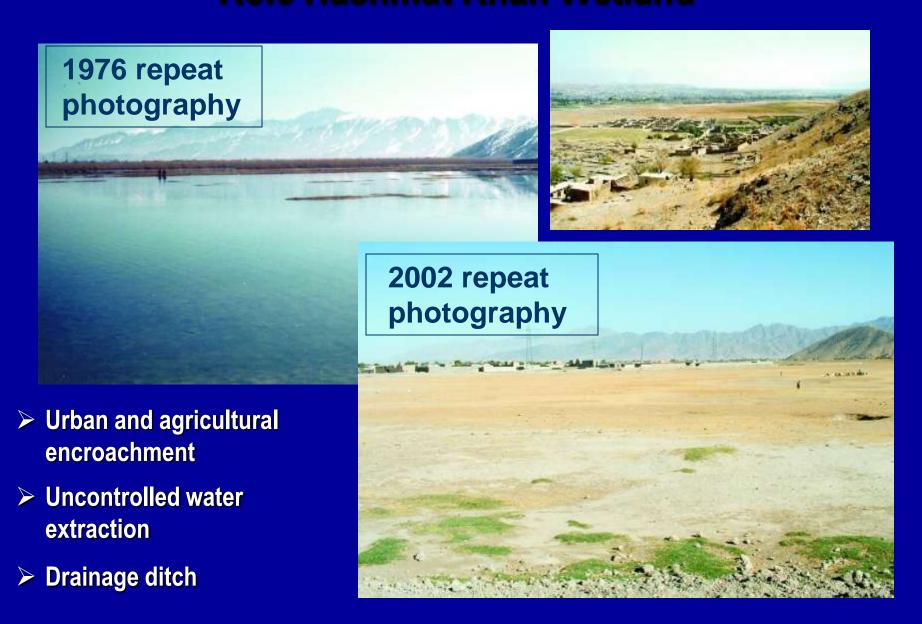




Sistan Basin Wetland

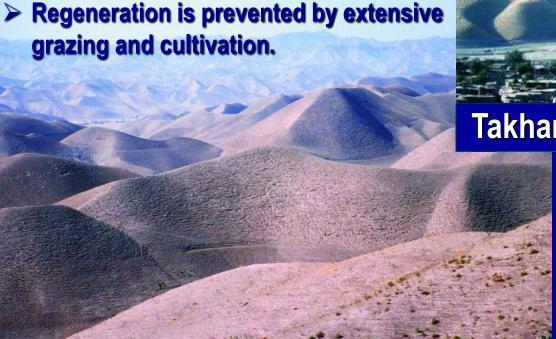


Kole Hashmat Khan Wetland



Woodlands deforestation

- Extreme deforestation observed across the country
- Soil erosion/floods are increasing



Badghis Province, Qala-i-Nau

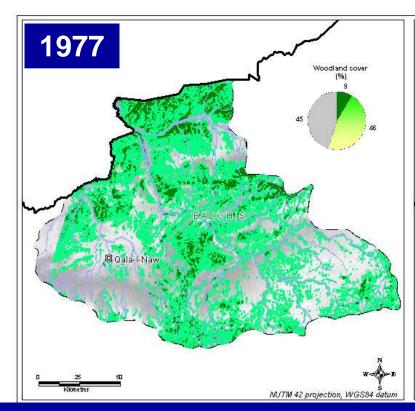


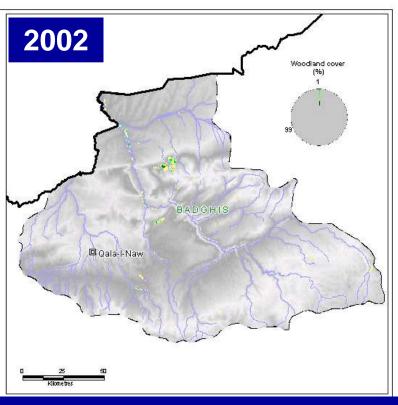
Takhar Province, Farkhar



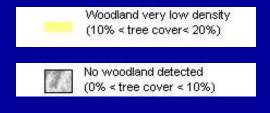
Woodlands deforestation

Satellite analyses in Badghis province











Wadi Gaza outlet channel – untreated waste water is polluting Mediterranean



Groundwater in Gaza is polluted by agrochemicals and leakages from dumpsites



Open burning of wastes at a temporary landfill in the West Bank

First time in 29 years....



Iranian and Iraqi delegations in Geneva May 18, 2004