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Importance of the basin approach for promoting the sustainable development and ecological monitoring

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United Nations Educational, Scientific and Cultural Organization

Man and the Biosphere Programme

Venice Office
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MaB

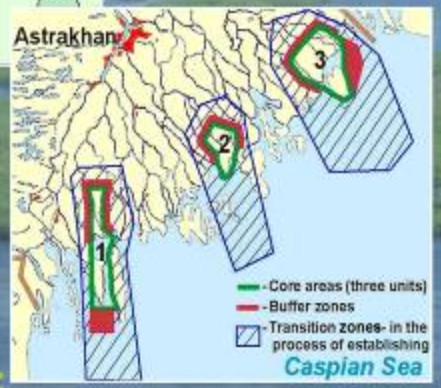
BIOSPHERE RESERVES OF THE VOLGA RIVER BASIN

Astrakhanskiy Biosphere Reserve

Astrakhanskiy Nature Reserve was founded in 1919 with the aim to preserve and study the habitual flow of natural processes and phenomena, including gene pool of flora and fauna of certain species and communities of plants and animals, as well as both typical and unique ecological systems of the Volga delta.

In 1984 the Reserve has been approved as a UNESCO biosphere reserve. In 1976 the Volga delta, including Astrakhan Reserve, has been included into the list of the Ramsar sites as a Wetland of International Importance named "Volga Delta".

Location: Russia, Astrakhan region.
It's located in the lower reaches of the Volga delta.
The Reserve consists of three sites:
Damchikskiy (1), Trekhizbinskiy (2), Obzhorovskiy (3).



Administratively these sites are located on the territory of Kamyzyakskiy, Ikryaninskiy and Volodarskiy districts of the Astrakhan region.

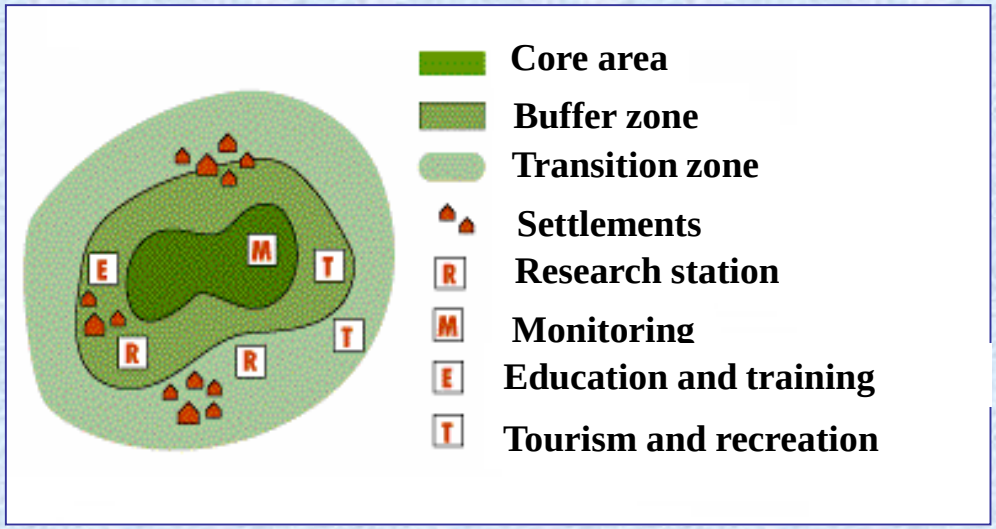
The administrative office of the Reserve is located in Astrakhan.

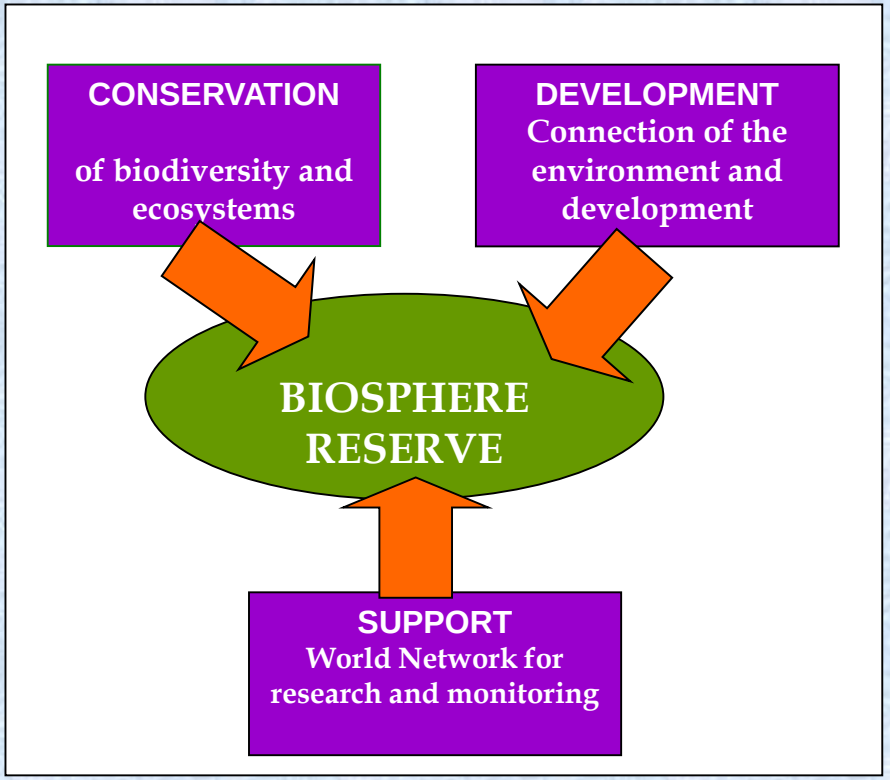
Researches:
Scientific researches in the Astrakhanskiy reserve have been conducted since 1920-th.
They include: phonological, geobotanical, ornithological researches since 1920-th; meteorological station since 1937; geomorphological, hydrobiological, parasitological and theriological researches since 1930-th; regular hydrological observations since 1947; regular ichthyological researches since 1950-th; entomological researches since 1960-th; regular wide-scale ornithological researches since 1960-th; station of integrated background monitoring since 1987.

Protection:
The Department of Protection of the Reserve performs safeguarding of the reserve's territory. Besides that, the other functions of the department are supporting of forests, fighting of fires and conducting other environmental conservation tasks.

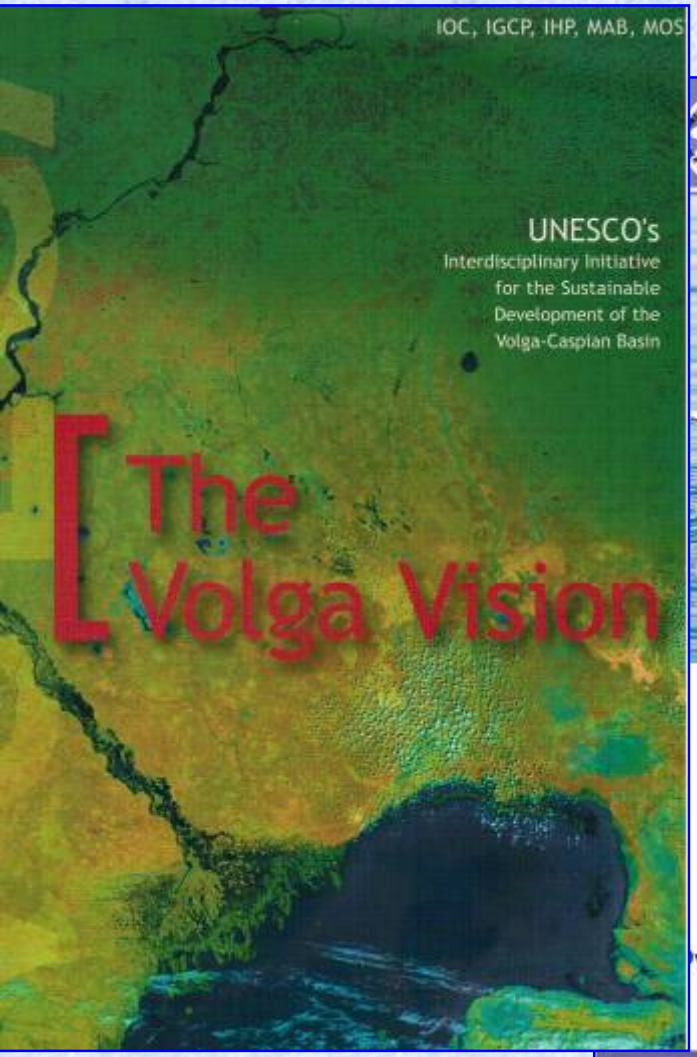
Ecological Education:
The Department of Ecological Education of the Reserve focuses its activity on increase of ecological literacy and culture of the population. Educational work in ecology is directed on the people at large: rural and urban population; children and adults; ranking officers from authorities, management and business.

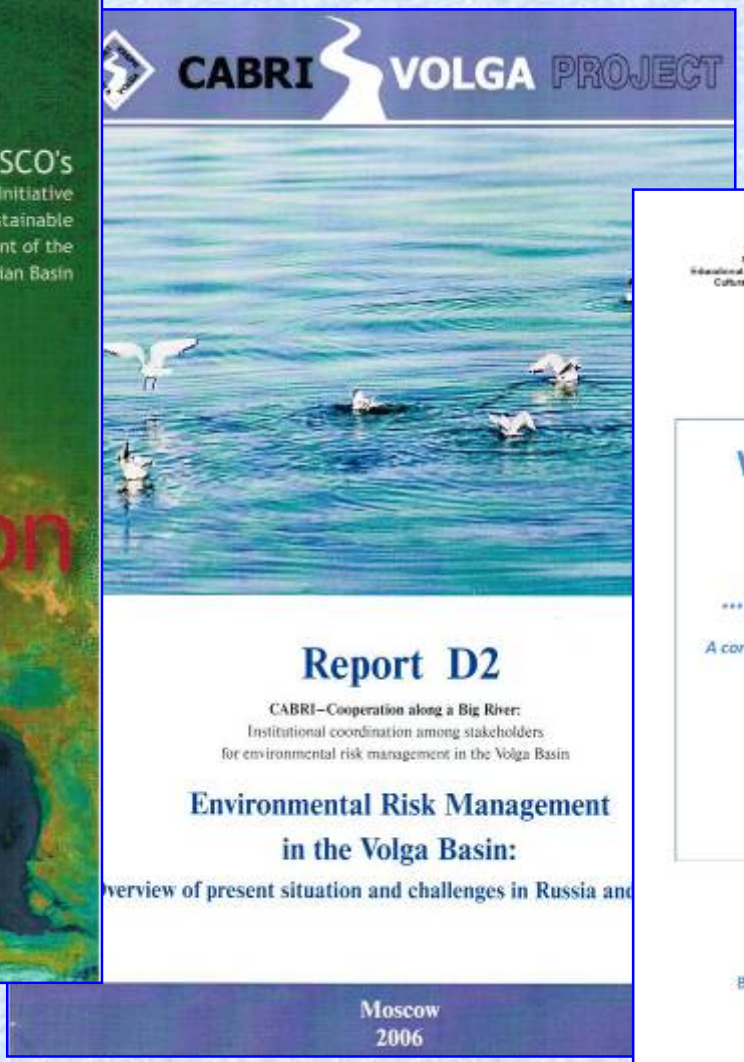
Model scheme of zonation of the Biosphere Reserve and its functions

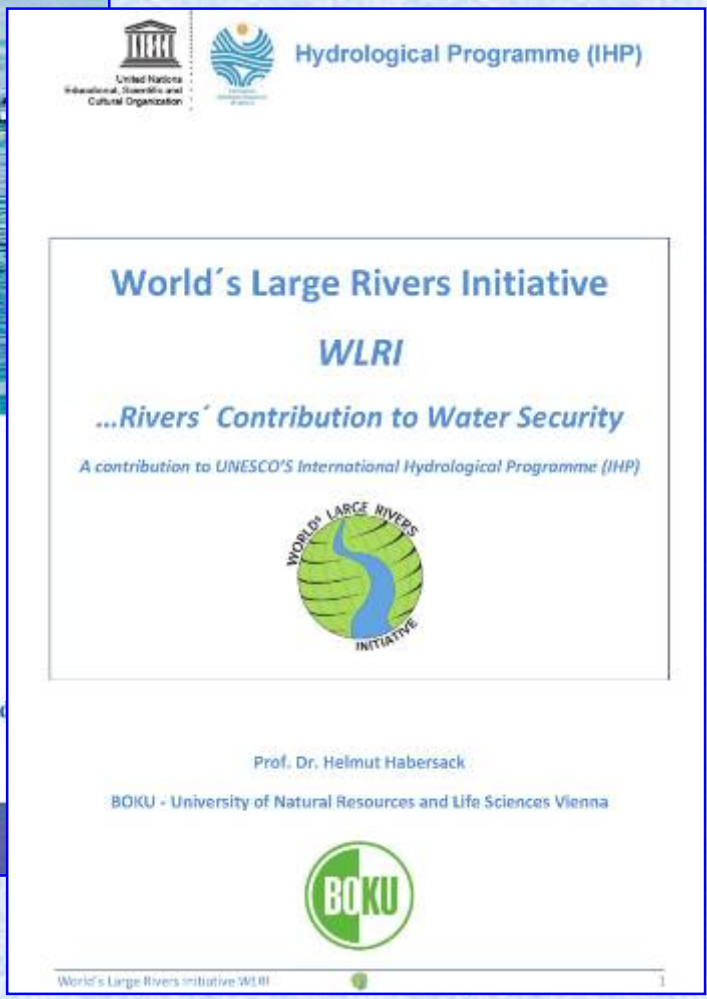




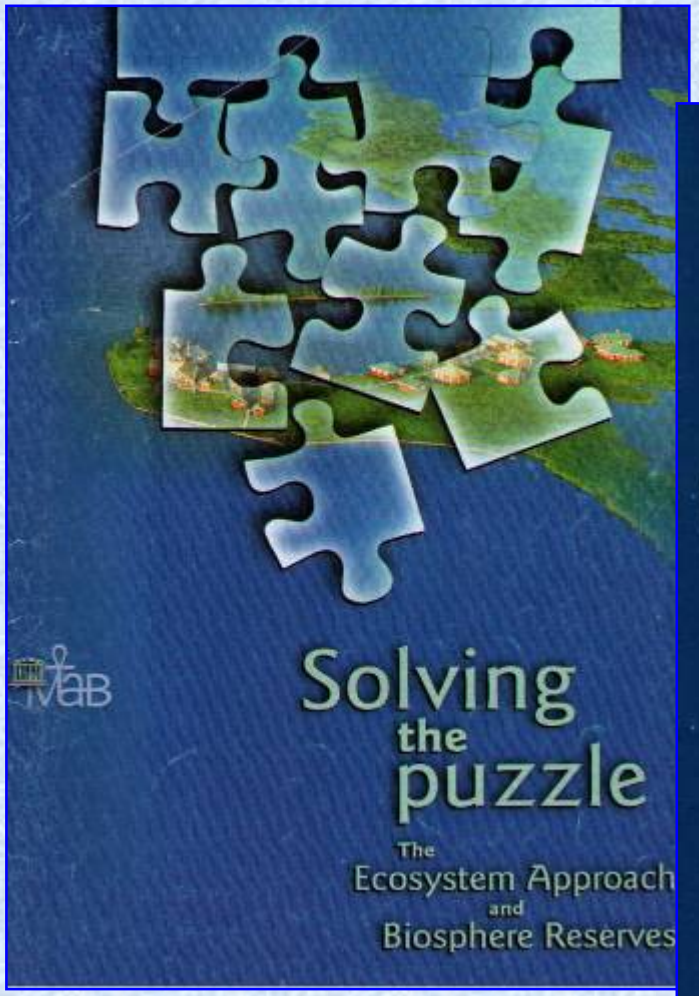
International projects for sustainable development of the Volga River Basin

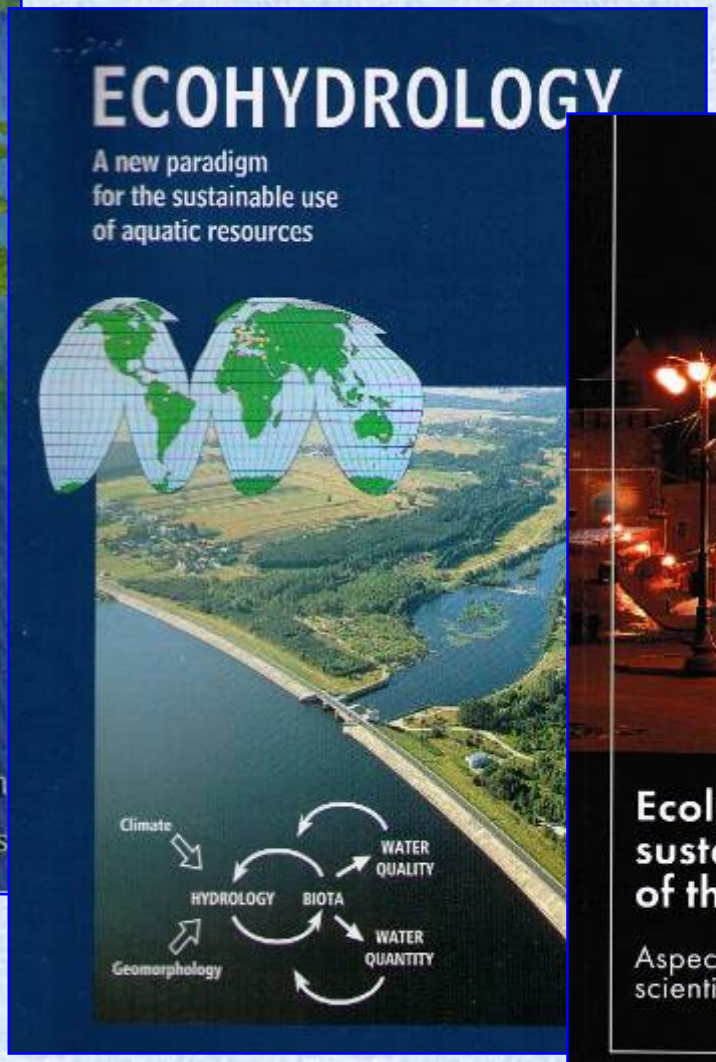


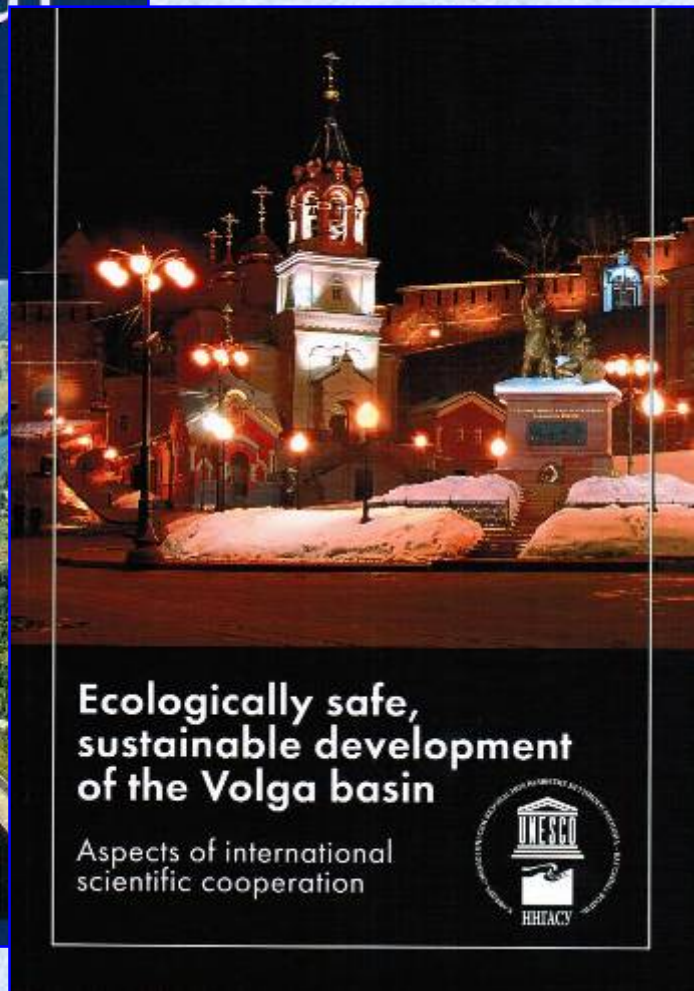




The ecosystem approach for conservation of biodiversity and sustainable development of terrestrial and aquatic ecosystems







Many thanks for your attention