
**GROUNDWATER RESOURCES
GOVERNANCE
in TRANSBOUNDARY AQUIFERS
(GGRETA Project)**

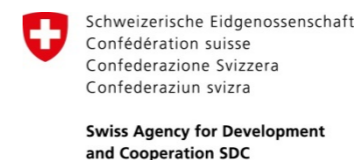


Pretashkent Transboundary Aquifer

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Committee on Geology, Kazakhstan

Workshop “Counting our gains: Sharing experiences on identifying,
assessing and communicating the benefits of transboundary water cooperation”
22 - 23 May 2014, Geneva, Switzerland



Groundwater Resources Governance in Transboundary Aquifers (GGRETA) project and the Prestashkent Transboundary Aquifer

The three transboundary aquifers selected are:

- the Prestashkent Aquifer in Kazakhstan and Uzbekistan,
- the Esquipulas-Ocotepeque-Citalá (Trifinio) aquifer in Honduras, El Salvador and Guatemala
- the Kalahari-Karoo (Stampriet) Aquifer in Botswana, Namibia, South Africa.

One of the main objectives of the project is to facilitate joint management and better groundwater governance focused on improving coordination, scientific knowledge, livelihoods, economic development and environmental sustainability.



Groundwater Resources Governance in Transboundary Aquifers (GGRETA) project and the Prestashkent Transboundary Aquifer

This project, implemented by UNESCO-IHP
and funded by the Swiss Agency
of Development and cooperation (SDC),
will contribute to the sharing experiences
on identifying, assessing
and communicating the benefits of
transboundary water cooperation



Kazakhstan and transboundary waters: Syr Darya Basin and Pretashkent Aquifer



The Pretashkent transboundary aquifer is a complex system shared between Kazakhstan and Uzbekistan. It is part of the basin of the transboundary river Syr Darya, including Central Asian States : Tajikistan, Kyrgyzstan , Uzbekistan and Kazakhstan.
A project is in preparation to assess also all the groundwater resources in the Syr Darya basin.



Transboundary cooperation will be facilitated by the assessment made possible by the GGRETA Project

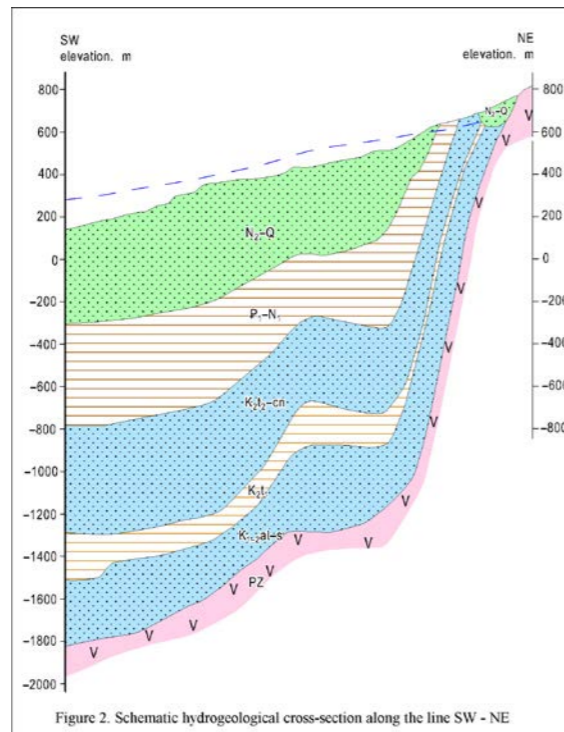


Figure 2. Schematic hydrogeological cross-section along the line SW - NE

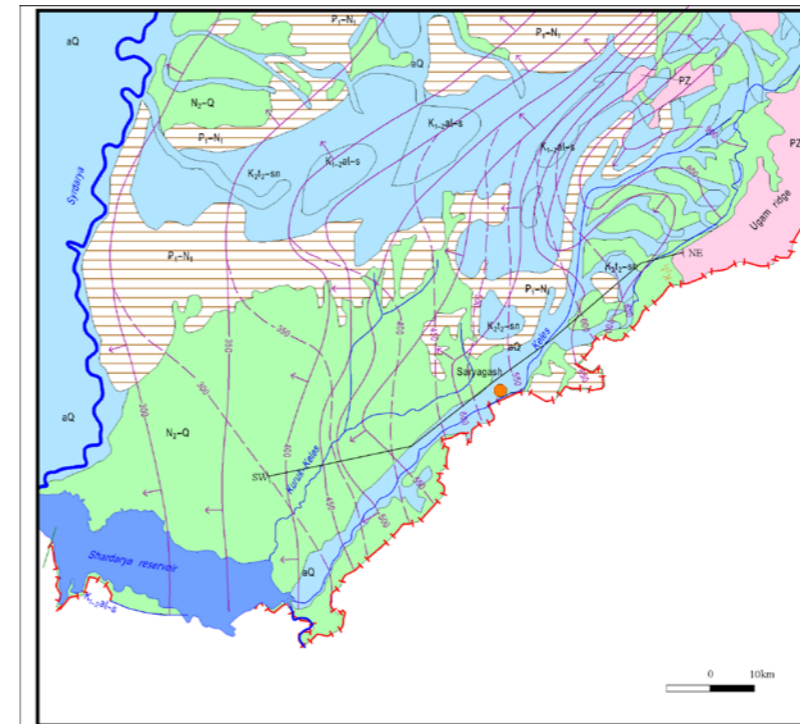


Figure 1. Schematic hydrogeological map of Pretashkent transboundary aquifer (Kazakhstan part)

The scarcity and non renewability of fresh water, coupled with climate change, can impact on the socio-economic development of the region.

The expertise of the Kazakh Committee of Geology is contributing to the assessment of the aquifer resources conditions, needed to evaluate the economic benefits of transboundary waters regional cooperation



Kazakhstan is assessing the Pretashkent Aquifer following UNESCO-IHP/IGRAC methodology

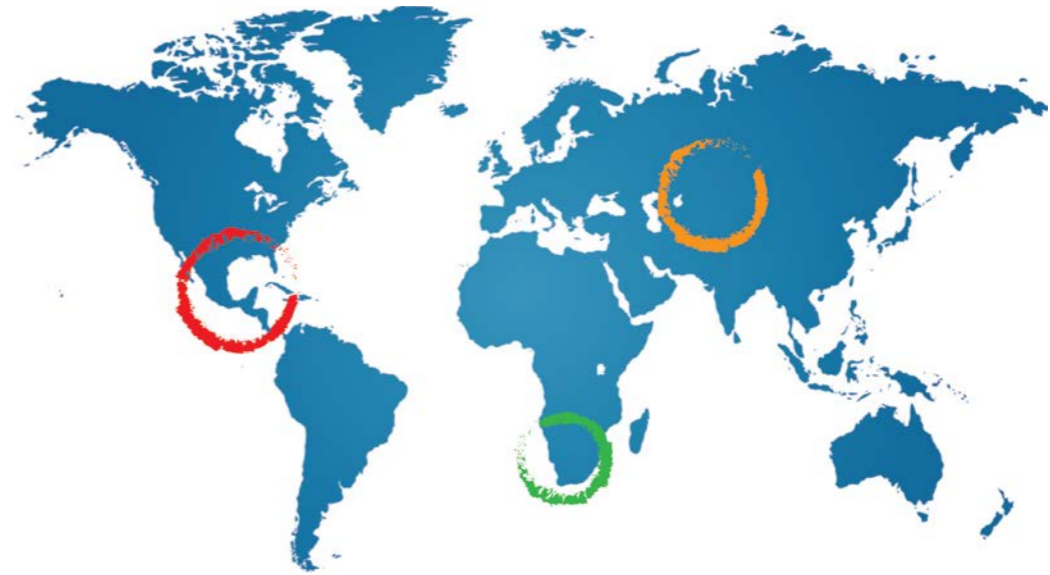
The assessment of the Pretashkent aquifer in the framework of the GGRETA Project financed by the Swiss cooperation has started in May 2013 and we expect that through in-depth study and a multidisciplinary assessment of the aquifer area we can foresee socio-economic gains from sound and joint governance of the resource.

Our presence in this workshop is to get acquainted with the experiences of other countries, learn from examples of successful cooperation, about economic benefits of joint management to improve the welfare of the region.

The Geology Committee of Kazakhstan is fully contributing to the assessment and participating in all activities of the project.



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THANK YOU

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International Groundwater Resources Assessment Centre



United Nations
Educational, Scientific and
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