



Global Water
Partnership

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Central and Eastern Europe

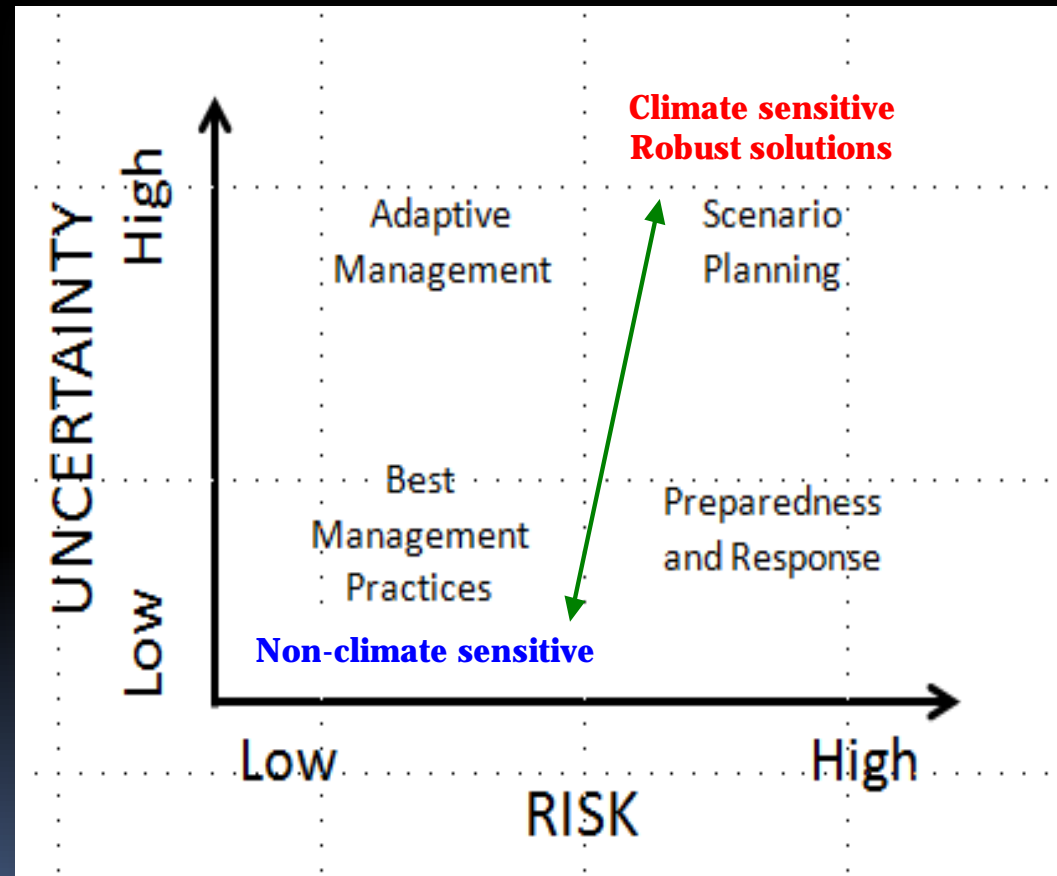
«Вода, клімат і розвиток: Які можливості адаптації втрачає Україна?»

*Презентація адаптаційних можливостей «Имитационного
моделирования Днестровского водохранилища»
(проект Альянсу для Глобальної водної адаптації (AGWA))*

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Dniester River Reservoir Simulation Modeling



USACE-GWP team

DSS for Dniester river reservoir modeling

DSS model was developed and applied to explore planning questions such as:

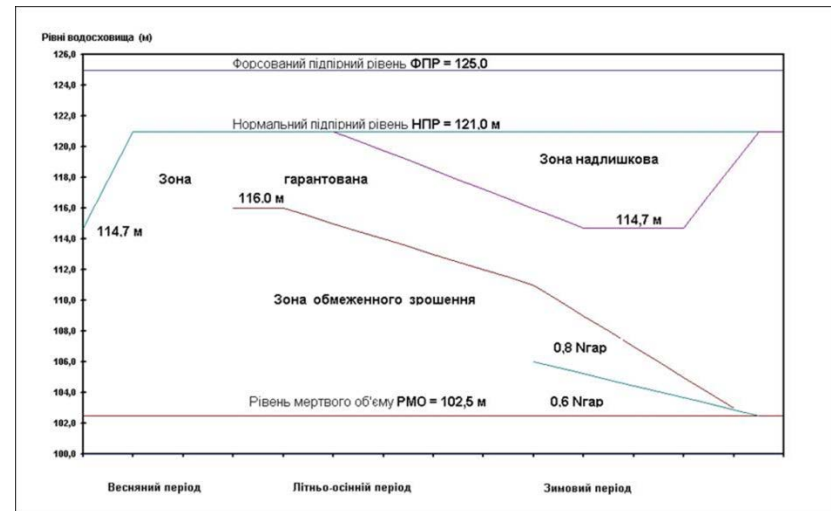
- ❑ *Does the system meet demands under existing conditions?*
- ❑ *Can the system accommodate increased demand?*
- ❑ *What effect will climate change have on the system?*
- ❑ *What adaptation measures can be implemented?*



USACE-GWP team results for Dniestrovsky reservoir modeling

- For short-term planning, trade-offs between operating for hydropower versus the environment were explored for observed drought conditions.
- For long-term planning, performance metrics for flood risk management, hydropower, water supply, and the environment were explored for (1) existing conditions over the entire period of record; (2) future conditions with a wetter climate; and (3) future conditions with increased demands and drier climate.
- Finally, an adaptation measure for flood risk management based on shifting the Dniestrovsky reservoir flood storage to the summer months to accommodate summer flooding was explored.

Dniestrovsky reservoir guide curve



Дякую за увагу!

