



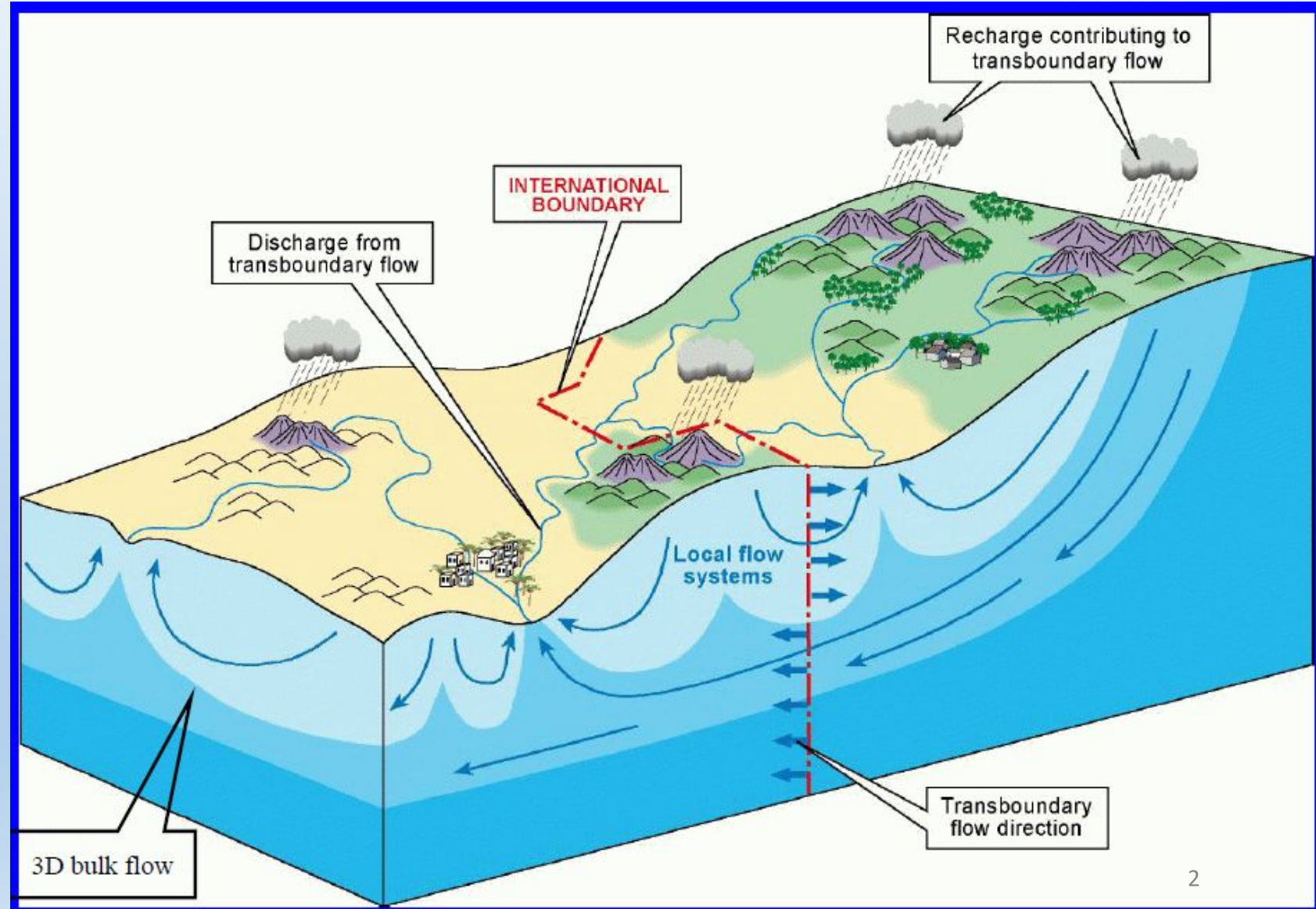
**International Association  
of Hydrogeologists**  
the World-wide Groundwater Organisation

# **International cooperation for the management of transboundary aquifers**

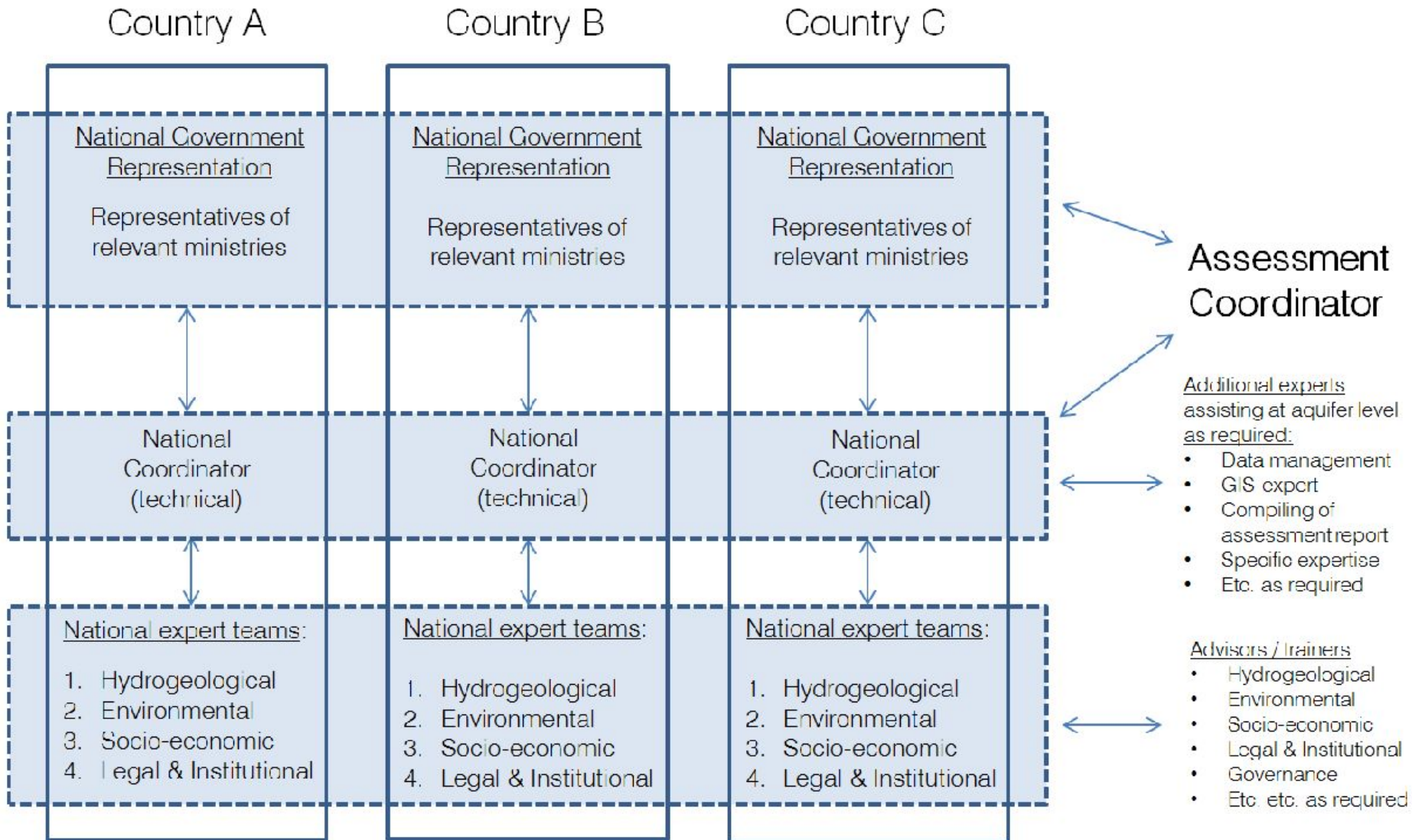
**António Chambel**

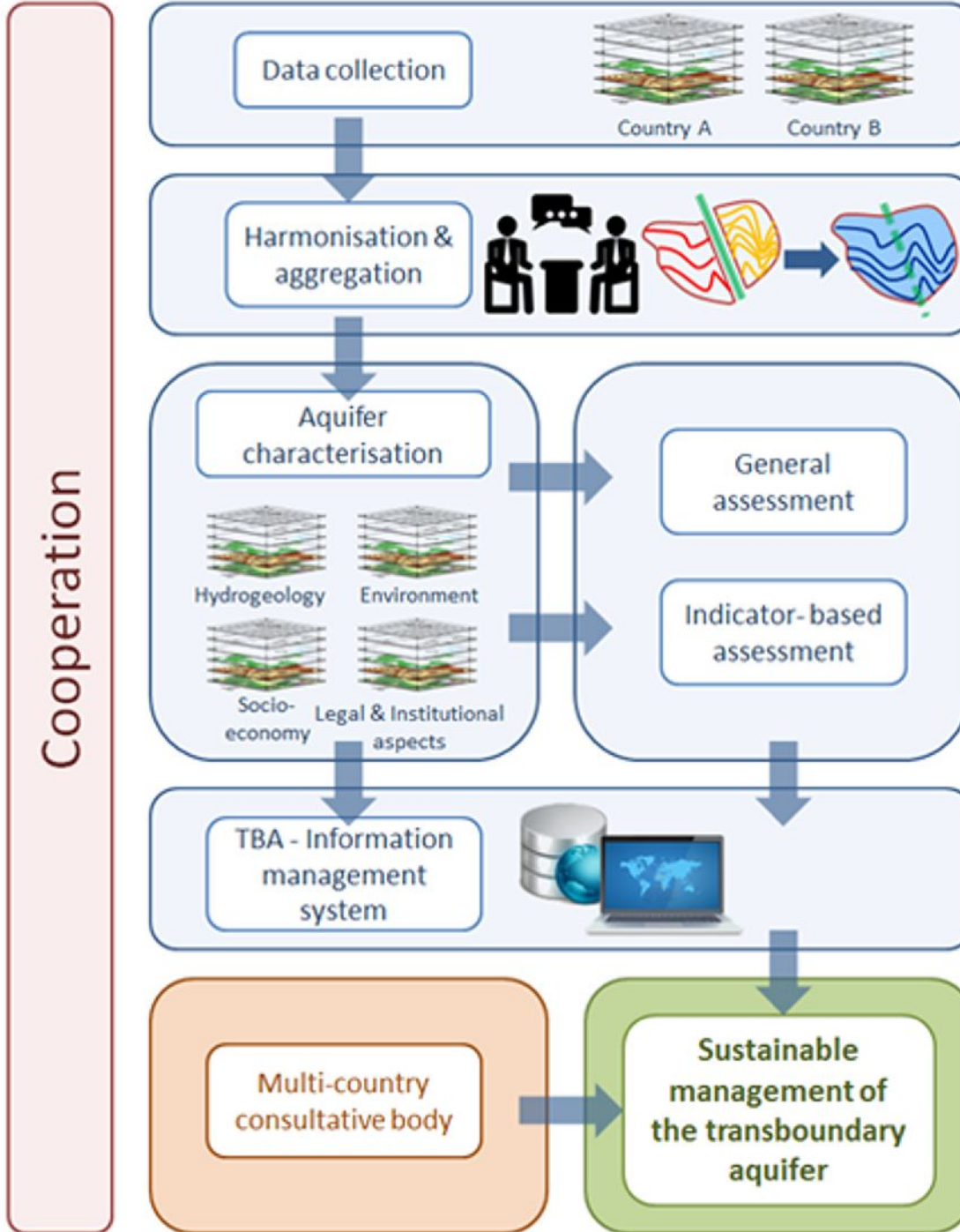
**President of the International Association of Hydrogeologists (IAH)  
Institute of Earth Sciences / University of Évora (Portugal)**

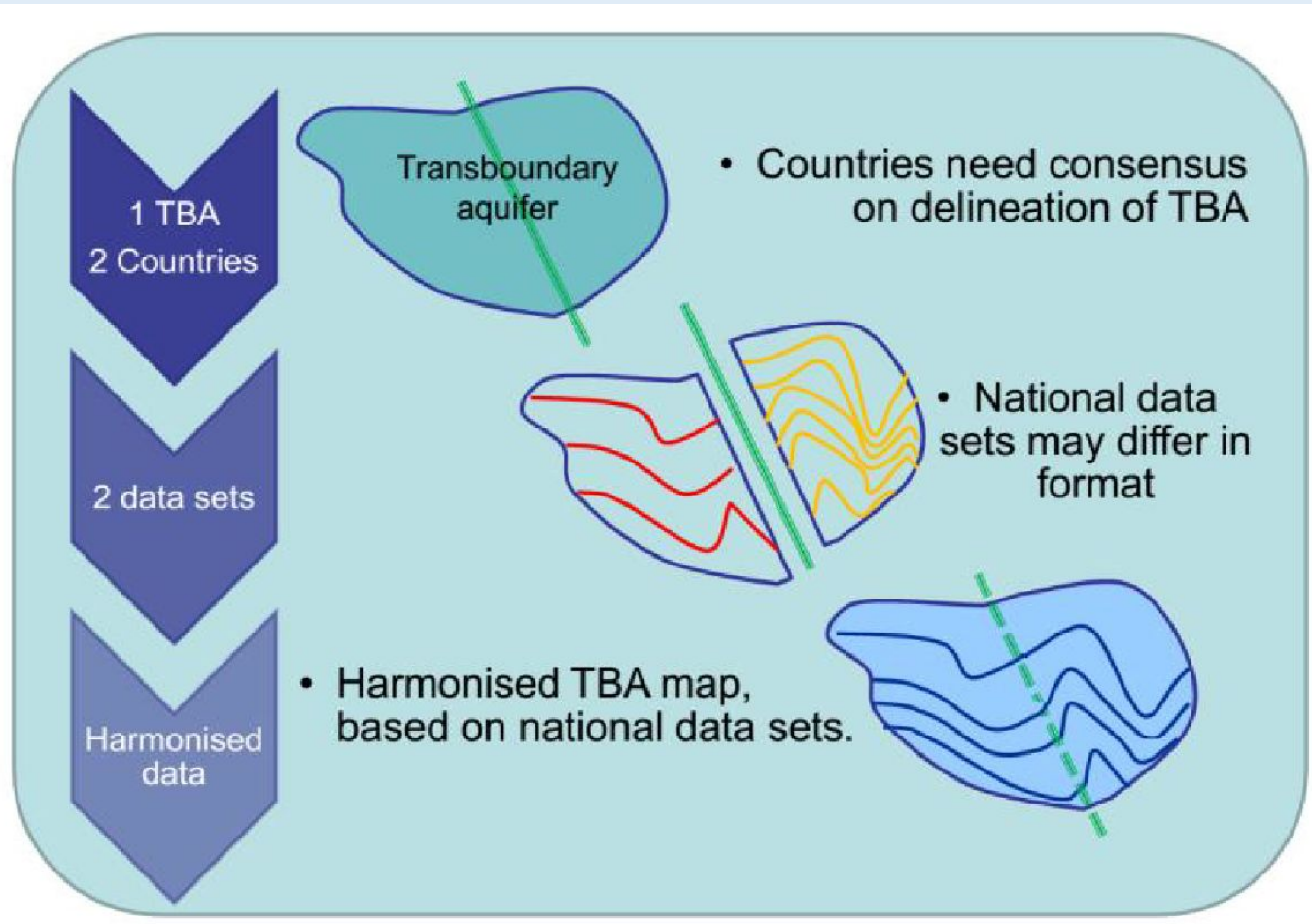
Why to talk about water  
management in  
transboundary aquifers?











### Elements of data harmonisation:

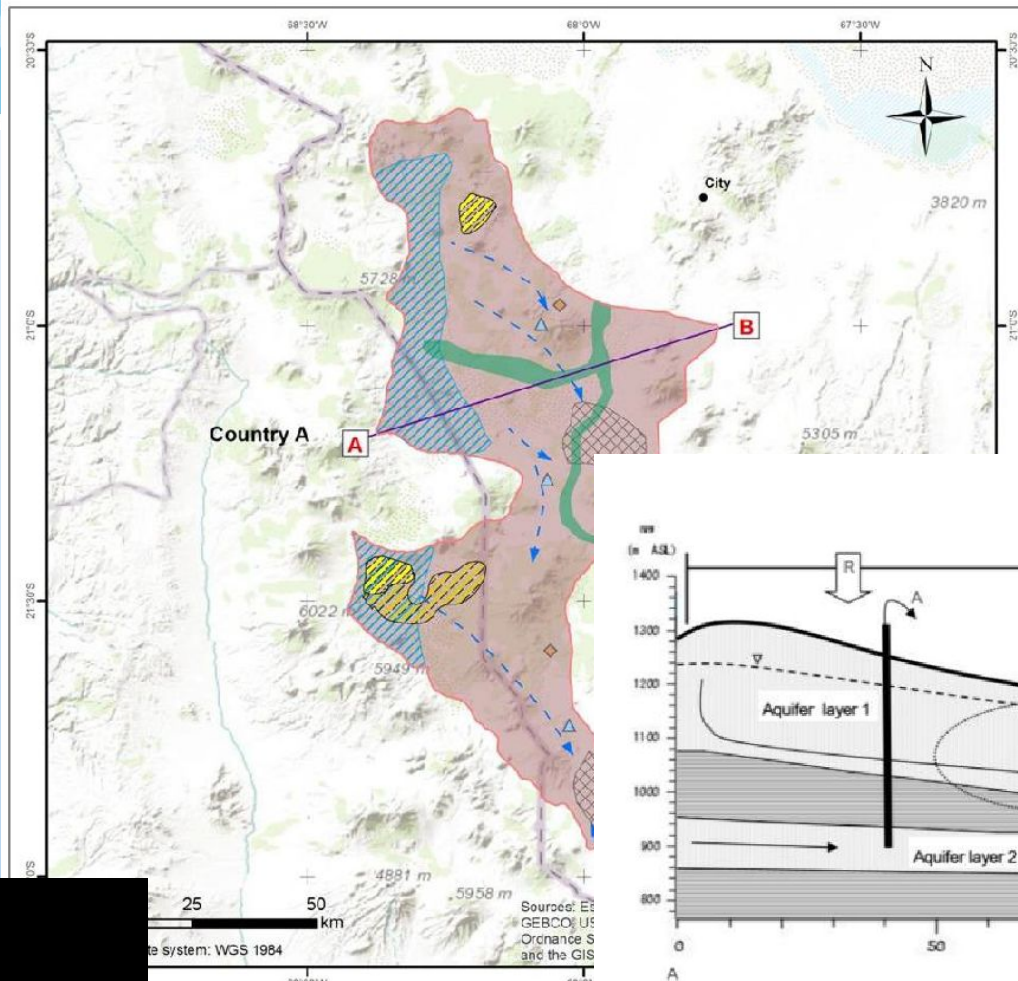
- Aquifer's geometry
- Coordinate system and scale for maps
- Interpolation techniques
- Harmonisation of classifications
- Aquifer's conceptual model

### Main outputs at the end of this phase:

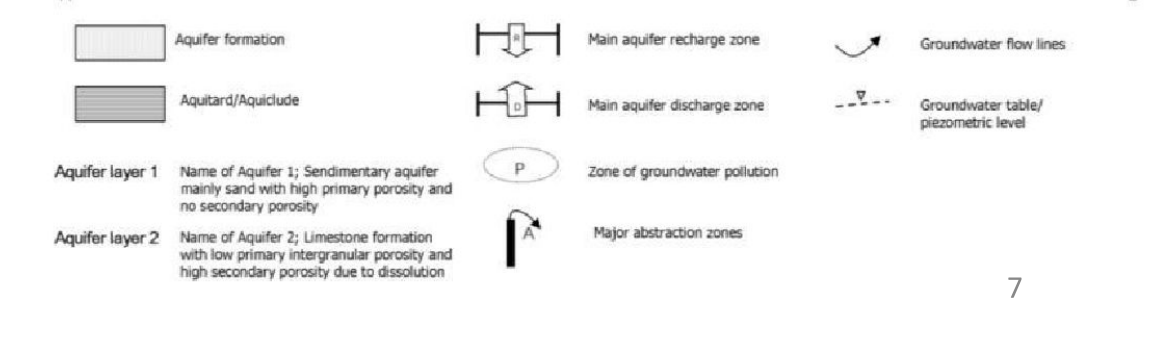
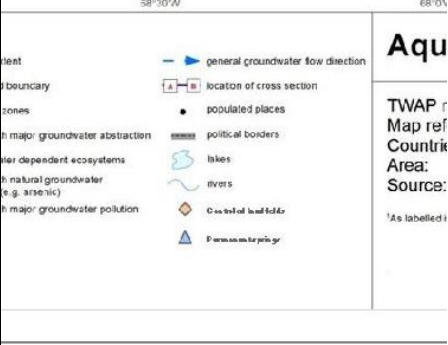
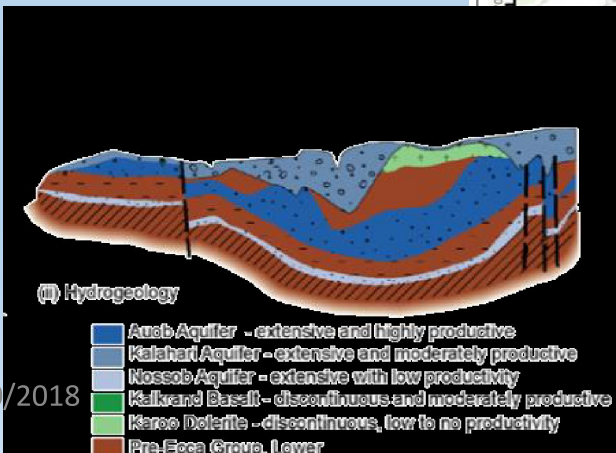
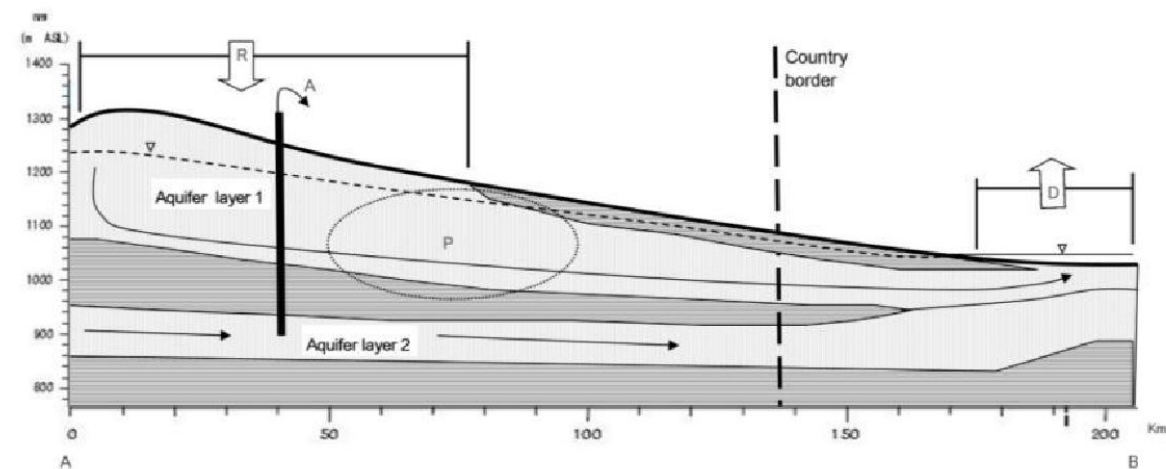
- Harmonised set of maps for the aquifer
- Harmonised datasets
- Data needed for the calculation of indicators

## Visualisations of the transboundary aquifer

- Thematic maps
- 2D cross sections
- 3D representation of the conceptual model
- Diagrams
- Graphics
- Charts
- Tables



BASE: GUIDELINES FOR MULTIDISCIPLINARY ASSESSMENT OF TRANSBOUNDARY AQUIFERS – IGRAC, UNESCO-IHP



# Groundwater Development Stress



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