

# Groundwater dependent ecosystems (GDE's) – a key for human development

Moderation: Ramon Brentführer (BGR)

Sara Vassolo, BGR

Ali Subah, Secretary General of Ministry of Water and Irrigatoin, Jordan

Banc Darguin, Mauretania



# Lake Skadar, Montenegro-Albania



# Lake Chad





# Integration of GDE's in water policy

- United States (California),
- the European Union (EU),
- South Africa, and
- Australia (the most comprehensive framework to manage and protect GDEs)

# Principles

- Identify value of GDE's and protections measures
- GW abstraction according to sustainable yield of aquifers
- Ensure sufficient GW for ecosystems is provided
- Increase knowledge of the system, develop adaptive management systems
- Planning and management of land use activities should aim to minimize impacts on GDE's