



# Initiating Groundwater Activities in the UNESCO-IUGS Geological Applications of Remote Sensing (GARS) Programme



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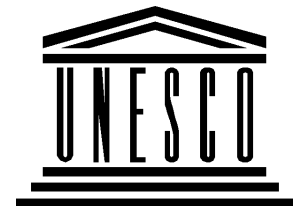
and

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# GARS Programme



UNESCO-IUGS have run GARS for 20 years to:

- Assess value and utility of remote sensing for geoscience
- Build capacity, by assisting various geoscience institutes in developing countries with remote sensing technology

GARS is steered by scientists from geological surveys, other geoscience research institutes and universities:

- A network of geologists in the developed and developing world

It has run international collaborative programmes on:

- Geological Mapping (Africa)
- Landslide hazards (Latin America) & volcanic hazards (Asia)
- Recent focus: IGOS Geohazards Theme development

➤ Africa/Middle East Transboundary Aquifers next theme

# GARS Hydrogeology

GARS has networked geological remote sensing institutes in Africa and the Middle East that would like to get involved

## Collaboration...

GARS is aware of major international initiatives in the topic

- ESA TIGER Initiative and related CEOS activities
- Specifically, the project AQUIFER is relevant
- UNESCO SHIP and IHP activities
- Water Cycle Theme

## So...

What steps should GARS now take to get involved?

- Participation of geologists in the regional TIGER conferences
- Does development of TIGER Phase 2 offer us an opportunity?
- GARS should interact with parts of UNESCO it has not before
- How should GARS begin to interact with Water Cycle Theme?