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Climate Change Hazards in Egypt

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- Egypt around 1 million km²
- Populated area around 5%
- Nile Delta is heaviest populated
- Vast coastal margin



Possible Climate hazards

Climate Change Hazards in Egypt

- **Rise of sea level** → endangering low-lying coastal areas (Northern coast and nearby Governorates) :
 - Landscape change
 - Agricultural ,food & health problems
 - population displacement
 - wild life at risk.
- **Low rain fall : (already limited water resources)**
 - Desertification
 - Population displacement
 - Wild life at risk
- **Global warming :**
 - Temperature rise and more frequent hot waves
 - Shorter winter and longer summer

Nile delta: possible scenarios at 2050 with rise of sea level 0.5 /1meter

Nile Delta
Potential impact
of sea level rise



Sources: Otto Simonett, UNEP GRID Geneva, Prof. G. Sestini, Florence; Remote Sensing Center, Univ. of Florence; WebWorldofSoil.com.



Priorities and needs regarding Climate Change and Environment In the specific context of Egypt

- **Adaptation Strategy for facing risks :**
 - **Agriculture : engineering, avoiding high water-consuming plants...**
 - **Water: (optimizing uses).**
 - **Economics .**
 - **Population movement .**
 - **Health.**
 - **Energy**
 - **Impacts on tourism .**
- **Building Community resilience :**
 - **Raising awareness of the problem and of possible means to deal with.**
 - **Promoting changes in habits .**
- **Strengthening early warning systems and data exchange .**
- **Using political and economic power.**

Main relevant activities of the NS & their impacts in response to identified priorities and needs

- **Raising public awareness :**

- **Possible risks.**
- **Environmental deterioration is due to factors that can be dealt with gradually.**

- **Advocacy for :**

- **prophylactic & remedial measures: Plantation, clean energy, early warningetc.**
- **Upgrading programs dealing with climate change.**
- **Capacity building for applying relevant programs.**
- **Efficient management of climate risks.**
- **Evaluation .**

- **Documentation and information exchange.**

Main difficulties and challenges faced by the National Society

- **Limited available water resources .**
- **Special situation of Nile Delta:
around 30 million population – 2.5% of Egyptian space & the
most fertile .**
- **Insufficient public awareness .**
- **The big task needed to induce change in some relevant habits
and modes of life (water use , type of crops, saving energy).**
- **Lack of effective cooperation .**
- **Need for partnerships.**

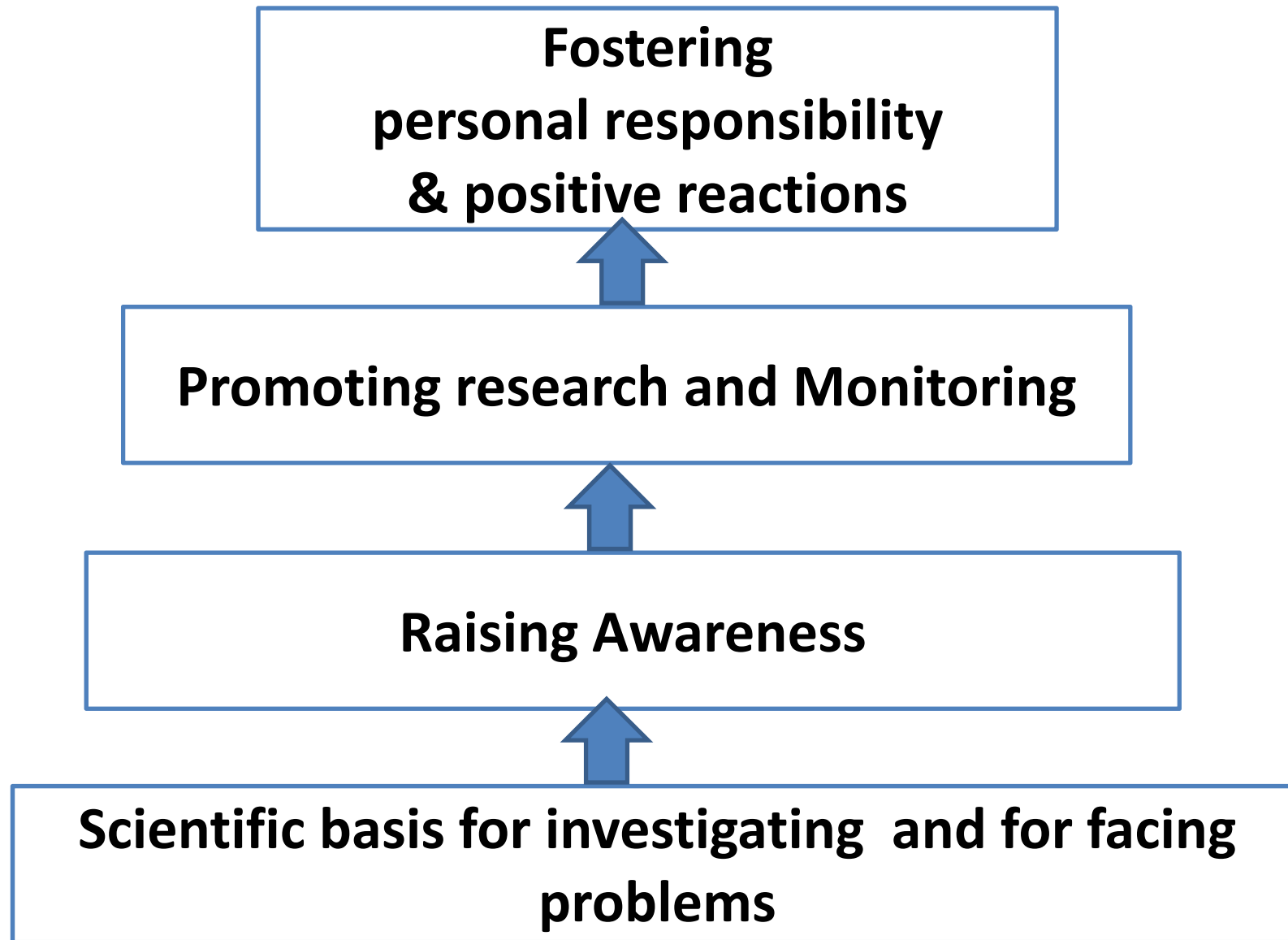
General Concepts

Management of Climate Change Hazards

- **Hazards risk assessment, priorities, planning, follow up.**
- **Integrating Climate change in programs and activities.**
- **Building partnerships.**
- **Considering international impacts .**
- **Documentation and exchange of data and experience.**
- **Climate education.**

General Concepts

Climate Education - (bottom to top approach)





*My land and mother of all lands
My passion and love in the Hearts
My home my root my love & my sea
Inside my heart you Live & that's where you'll always be*

egypt

A. Ghobrial 2012

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EGYPT*