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**Climate Change Hazards in
Egypt**

**Dr. Yahya Tomoum
ERC Consultant**



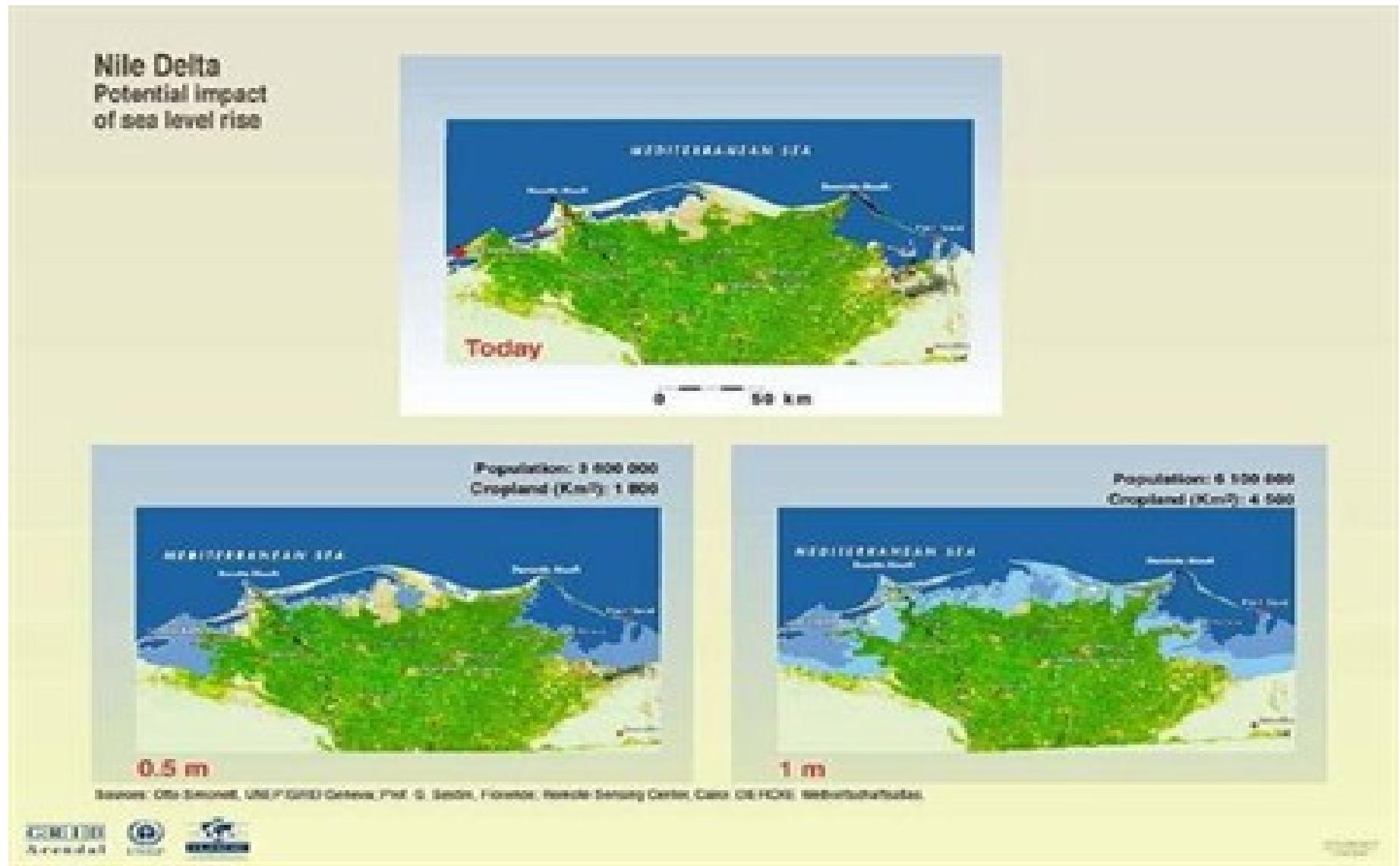
- Egypt around 1 million km²
- Populated area around 5%
- Nile Delta is heaviest populated
- Vast coastal margin

Possible Climate hazards

Climate Change Hazards in Egypt

- Rise of sea level → endangering low-lying costal 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



Simonett & Sestini , 2002

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)

**Fostering
personal responsibility
& positive reactions**



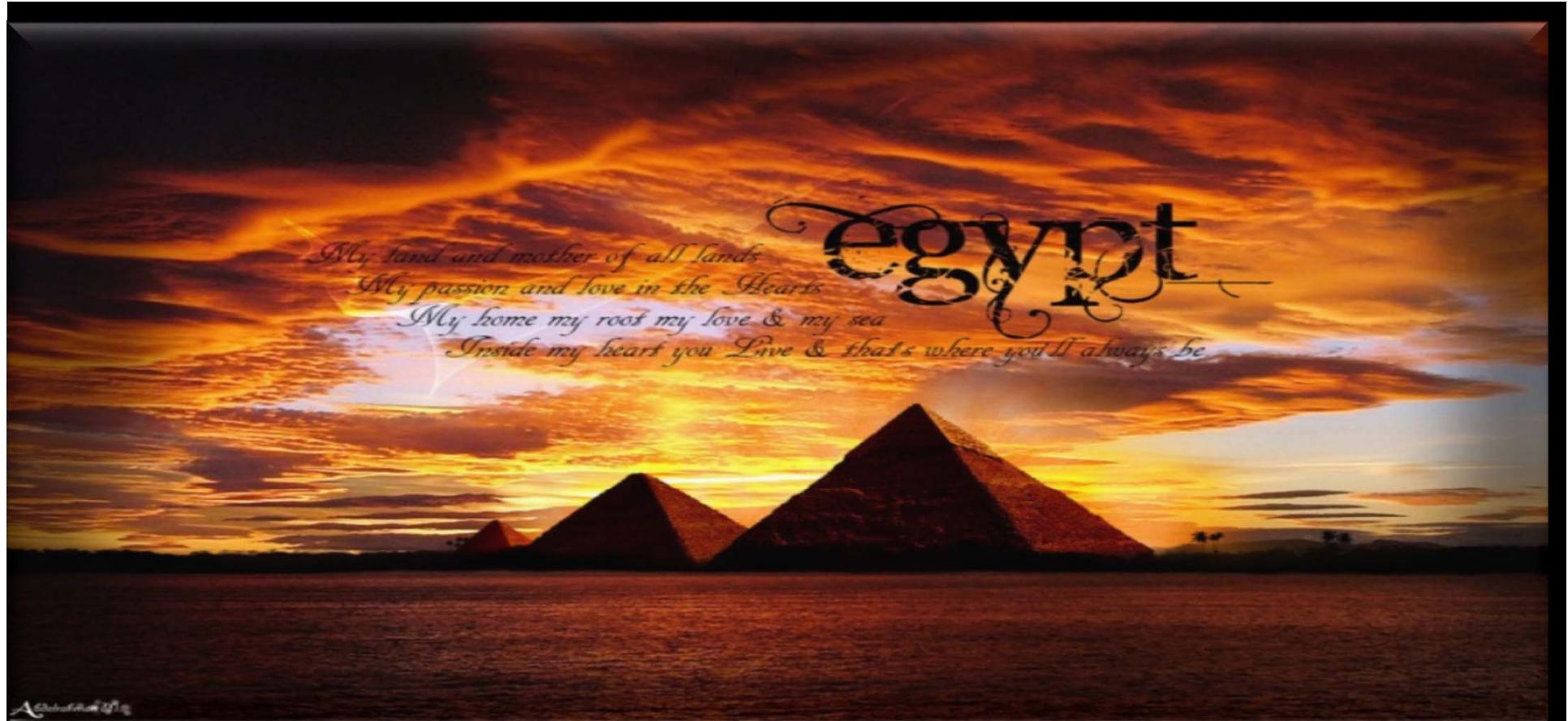
Promoting research and Monitoring



Raising Awareness



**Scientific basis for investigating and for facing
problems**



*My land and mother of all lands
My passion and love in the hearts.*

*My home my roots my love and my sea.
Inside my heart you live and that's where you'll
always be
EGYPT*