

Global warming and negative impacts on Egypt

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- Global warming, refers to the rise in average surface temperatures on Earth.
- As overwhelming scientific consensus, climate change is due primarily to the human use of fossil fuels, which releases CO₂ and other greenhouse gases into the air.
- -The gases trap heat within the atmosphere, which can have a range of effects on ecosystems, including rising sea levels, severe weather events, and droughts that render landscapes more susceptible to wildfires.



- "People need to understand that ,the effects of climate change on the planet won't go away, at least not for thousands of generations."
- -Sea level rise is one of the most compelling impacts of global warming. However, its effects are just starting to be seen.
- -The latest IPCC report calls for sea level rise of just **one meter** by the year 2100.
- -In this latest analysis, the scientists looked at four different sea level-rise scenarios based on different rates of warming, from a low end to a higher rate.
- With just two degrees Celsius warming in the low end scenario, sea levels will rise about 25 meters. With seven degrees at the high-end scenario, the rise is estimated at 50 meters.

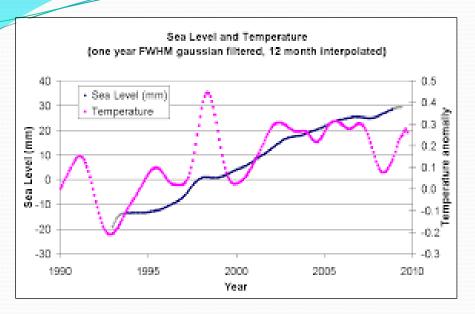


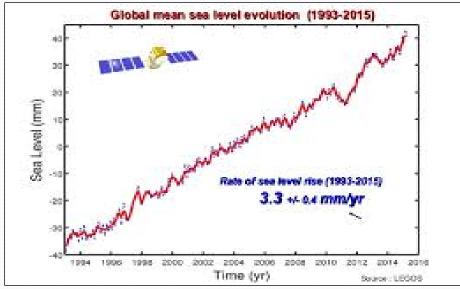




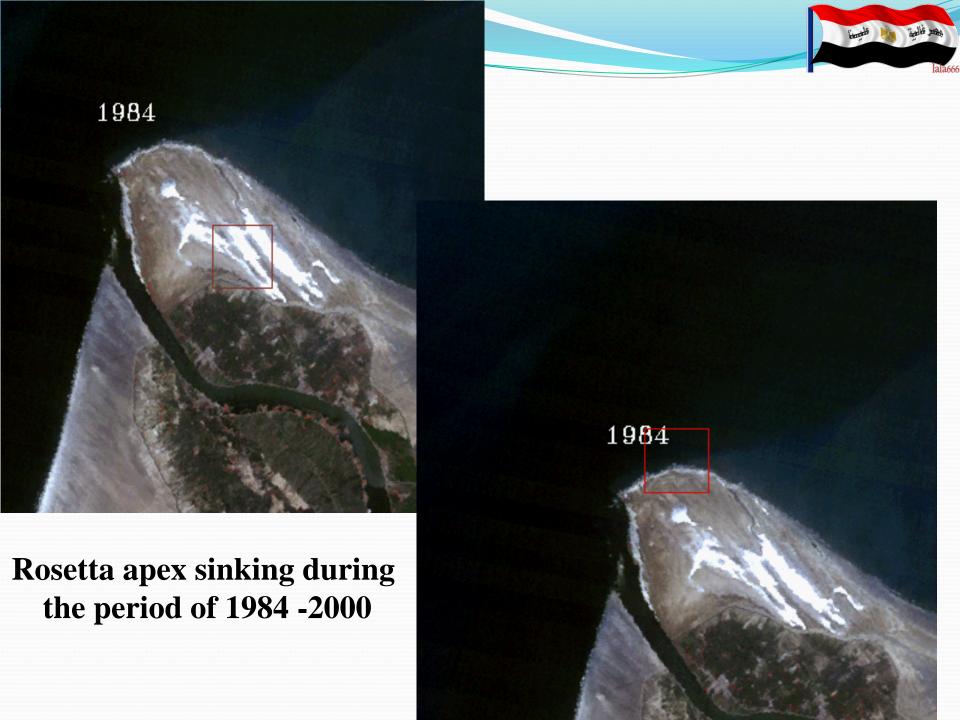
Rising sea levels due to the melting of the polar ice caps



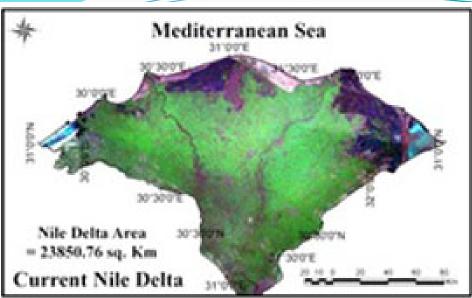


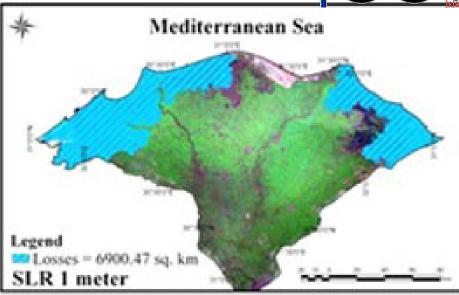


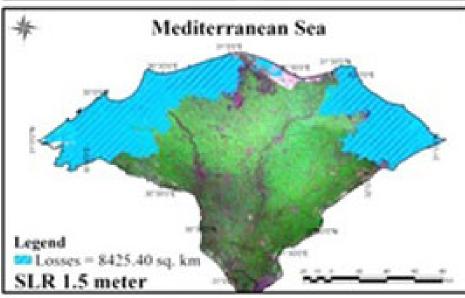


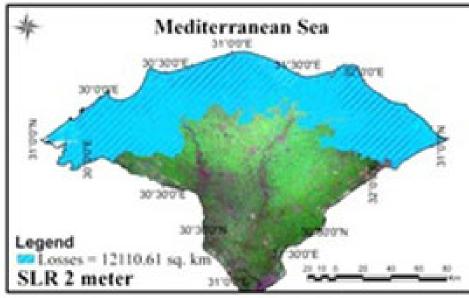














Climate change impacts on Egypt

- Flooding could displace

- 1- Entire communities in the coastal zone of the low-lying Nile Delta w
- 2- The fertile agricultural heartland of Egypt's 90 million people.
- (The Intergovernmental Panel on Climate Change (IPCC) predicts that the Mediterranean will rise 30 cm to 1 meter this century).
- 3- More than half of Egypt's people live within 100 km of the coast.
- (World Bank study estimated that a one-meter sea level rise could displace 10 percent of the population).
- Officials say salt water could submerge or soak 10 to 12 percent of farmland in the world's largest wheat importer.



Climate change impacts on Egypt

- the UN Human Settlements Programme (UN-Habitat), says a sea level rise of 50 cm will lead to
- 1- Major coastal erosion, flooding and a rise in the water table,
- 2- Forcing two million people in Egypt's north coast and delta region to abandon their homes.
- 3-Wiping out 214,000 jobs, cost US\$35 billion in lost property income.
- 4- Destruction of world-famous historic, cultural and archaeological sites. So all the advanced countries have to help Egypt to keep heritage of Humanity



Thank you