

# 2<sup>nd</sup> Mediterranean Water Forum

## Climate Change Adaptation Working Group

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# Presentations Delivered

- Concept paper on CC & Adaptation in Mediterranean, by CEDARE
- Concept paper on CC & Adaptation in Mediterranean, by IME
- CC & Water Adaptation Status presentation, by Algeria
- CC & Water Adaptation Status presentation, by Spain
- CC & Food Security, by France
- CC & Water Adaptation Status presentation, by Morocco
- CC & Adaptation Video, by French company

# Impacts of Climate Change in the Region

- Decrease in Precipitation
- Increased Temperature
- Increased Extreme Events (Floods and Droughts)
- Economic losses due to damages
- Impact on Food Security

# Current Adaptation Interventions

- Desalination
- Groundwater Recharge
- Wastewater Reuse
- Water Transfers
- Water Demand Management
- Planning for less future water supply

# Recommended Actions

- Establish a Mediterranean knowledge platform on Climate Change impacts & Network of Meteorological Authorities
  - Improve Knowledge sharing & technology transfers on Climate Change Impacts and observation tools
    - floods observations & recording cause (climate change, urbanization, media coverage, better data recording..)
    - Storm, weather, and flow forecasting centers
- Adoption of climate change impacts indicators
- Development of economic instruments to estimate cost of climate change impacts and cost of adaptation
- Development of a Mediterranean Regional Strategy for CC and Adaptation

# Recommended Actions

- Promoting Green economy
- Combining different levels of adaptation national, regional, basin, and local community level
- Combining top down and bottom up approaches
- Establish a Mediterranean Expert group on CC Adaptation, and link with the UFM CC Expert Group
- Produce Mediterranean PCC Report
- Representing the Med in the COP meetings
- Downscaling GCM to Mediterranean Region
- Considering CC impacts and adaptation beyond Mediterranean countries borders especially on Transboundary rivers originating out of the region.

# Recommended Actions

- Study impact of Fossil Groundwater extraction on improvement of global & local climate
- Decision makers are encouraged to take risks and make tough decisions related to CC adaptation
- The Region need to start with the no-regrets actions without delay on the more complex decisions related to CC adaptation.
- The Region need to facilitate the access of the CC Adaptation Fund
- Private sector Adaptation initiatives are important and need to be supported
- Embrace an integrated optimal water allocation of all types of water (blue water (surface & groundwater), green water, virtual water, recycled water, treated wastewater, desalinated water, ...etc)