

**One Mediterranean:**  
practices, results and strategies for a common Sea

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# Strategic Action: Integrated Programme on the impact of global change on Mediterranean marine ecosystems

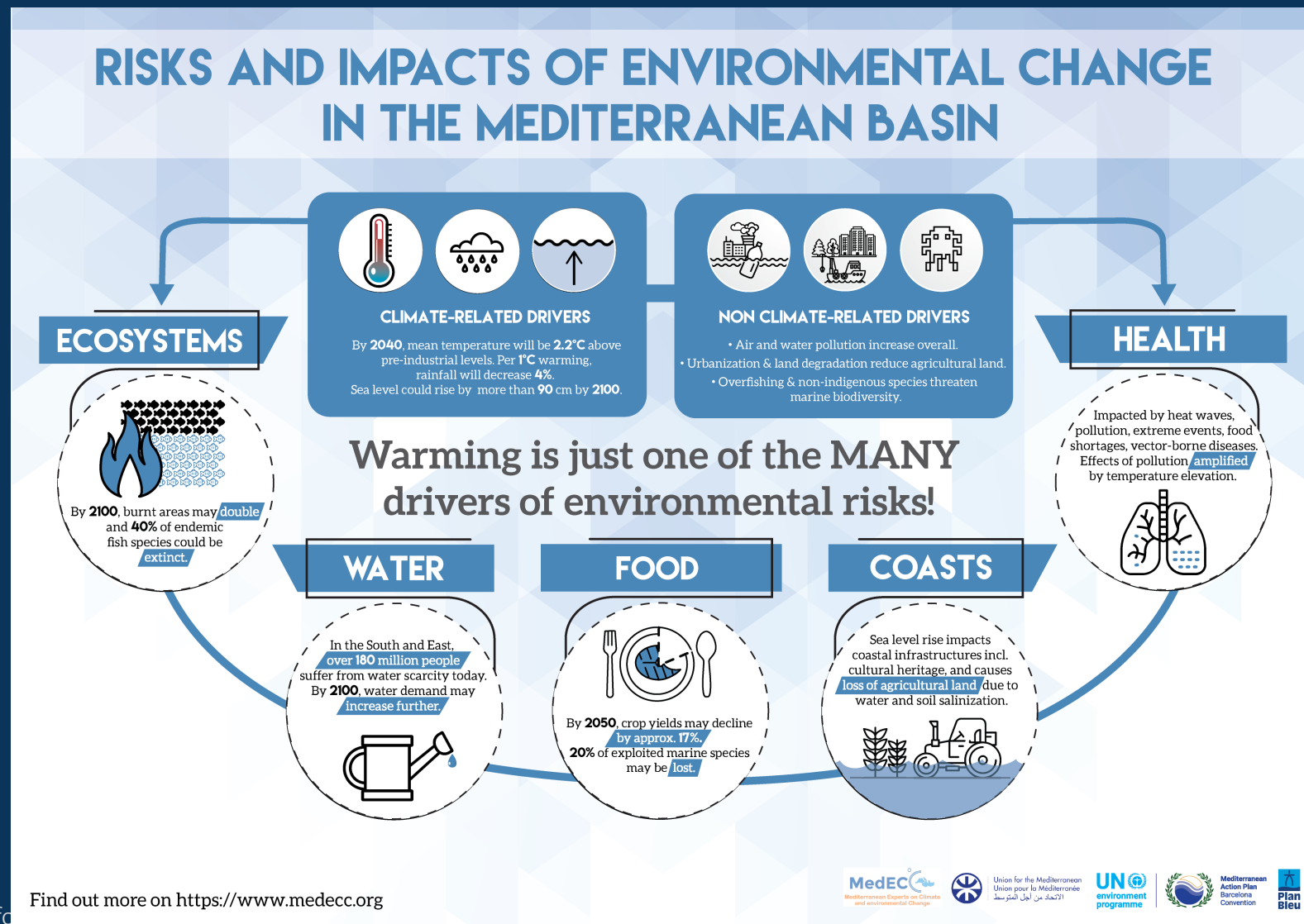
***PRIORITY 3: PREPARING TO CLIMATE CHANGE AND DEFINE ADAPTATION AND MITIGATION MEASURES***

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**blue****ed** Research and Innovation  
for blue jobs and growth  
in the Mediterranean Area

# The Mediterranean: a climate change vulnerability “hotspot”

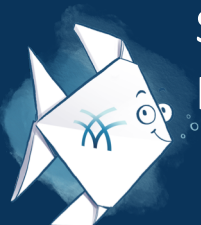
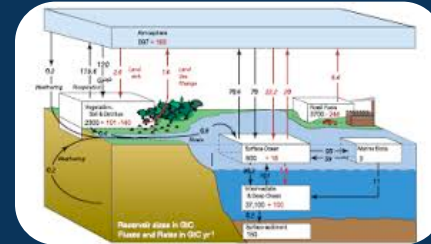
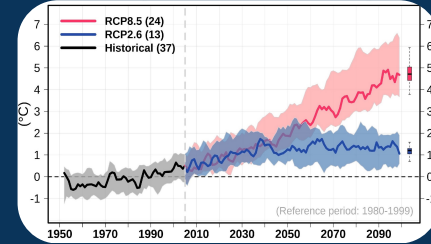
- ✓ The Mediterranean Region is warming 20% faster than the global average
- ✓ 40% of endemic fish sp could be extinct by 2100
- ✓ 20% of exploited marine sp may be lost by 2050
- ✓ 700+ non-indigenous animal species recorded due to warmer conditions
- ✓ Increasing water acidification causes mass deaths of marine species.
- ✓ Coastal cities will face increasing risks of flooding due to SLR.



# Strategic Action: Integrated Programme on the impact of global change on Med marine ecosystems and on social and economic drivers

## Objectives

- Make a comprehensive assessment of climate and anthropogenic related risks and opportunities in the Med Sea ecosystem and human environment from the coastal zone to the deep ocean.
- Develop, enhance and deliver user-friendly tools for disseminating climate information related to atmosphere, coastal and deep ocean Med areas.
- Develop climate adaptation and mitigation strategies coupling Climate Change and Blue Growth activities.
- Develop operational observing platforms, coastal-monitoring systems, early warning systems and decision matrices to address natural marine disasters and coastal risks.





# Strategic Action: Integrated Programme on the impact of global change on Med marine ecosystems and on social and economic drivers

Set-up an **Integrated Programme** to increase knowledge on the impact of global change on Mediterranean marine ecosystems (food webs, biodiversity, habitats) and therefore on the key socio economic drivers:

- ✓ Fisheries and aquaculture (linking with P2 on Sustainable food production);
- ✓ Tourism (linking with P5 on Tourism);
- ✓ Transport Routes (linking with P7 on Transport) by exploiting appropriate observing systems (linking with P4 on Observing Systems).





# Strategic Action: Integrated Programme on the impact of global change on Med marine ecosystems and on social and economic drivers

## Implementation

- **Indicative timing:** 2022
- **Proposed funding and instruments:** Horizon Europe – Mission A Climate Resilient Europe, Mission 100 Climate-neutral Cities by 2030 – by and for the Citizens, Mission Starfish 2030, A climate neutral, sustainable and productive blue economy, UN Decade of Ocean Science for Sustainable Development, European Investment Bank Blue Sustainable Ocean Strategy (Blue SOS), Life Call.
- **Promotional Actions:** Climate-KIC Start-ups; Towards a Climate Change Mediterranean Sea Capital of the Year

