



# *MedECC*

## *Expert network on Climate and Environmental Change in the Mediterranean Basin*

Elen LEMAITRE-CURRI

Director Plan Bleu, UNEP/MAP Regional Activity Center

*Barcelona, Spain, 10 October 2019*

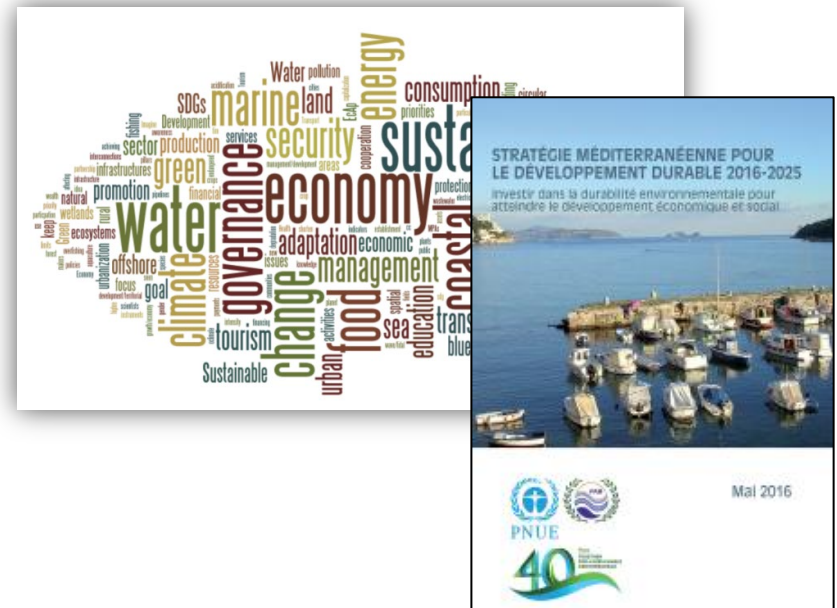
# Strengthening Science Policy Interface on Climate Change: a common Mediterranean objective

## Calls for Science Policy Interface on Climate Change:

- Union for the Mediterranean Ministerial Declaration of Athens on Environment and Climate Change (2014)
- UNEP / Mediterranean Action Plan Mid-Term Strategy 2016-2021
- Regional Climate Change Adaptation Framework (2016)
- Mediterranean Strategy for Sustainable Development 2016-2025 (MSSD)



**MSSD** recommends "*the establishment of a regional science-policy interface mechanism (...) with a view to preparing consolidated regional scientific assessments and guidance on climate change trends, impacts and adaptation and mitigation options*".





# MedECC Goals & Evolution

- Develop a scientifically robust assessment of climate and environmental change and its impacts in the Mediterranean Basin (published research)
- A regional science-policy interface connected with policy makers
- Supported in partnership by UfM and UNEP/MAP through its Plan Bleu RAC

**From an idea in 2015 → to more than 600 scientists from 35 countries**



# MedECC uptake

## Direct contributions to regional and international science & policies

### → IPCC

- Report on 1.5°C warming (October 2018); Report on Ocean and Cryosphere (October 2019)
- 6th IPCC report (AR6): Cross-chapter dedicated to Mediterranean Basin

### → UNEP/MAP

- Co-lead of the CC Chapter of the 2019 State of the Environment and Development in the Mediterranean report
- Contribution to the next Mediterranean Foresight MED 2050

### → UfM Climate Change Expert Group, established by the 1<sup>st</sup> UfM Ministerial Declaration on Environment and Climate Change (2014)

→ Complementary to innovative projects e.g. EU InterregMED PANACeA on biodiversity protection: nature-based solutions, monitoring systems...

# MedECC early outputs

A **foundation paper**: Oct. 2018  
Nature Climate Change

## REVIEW ARTICLE

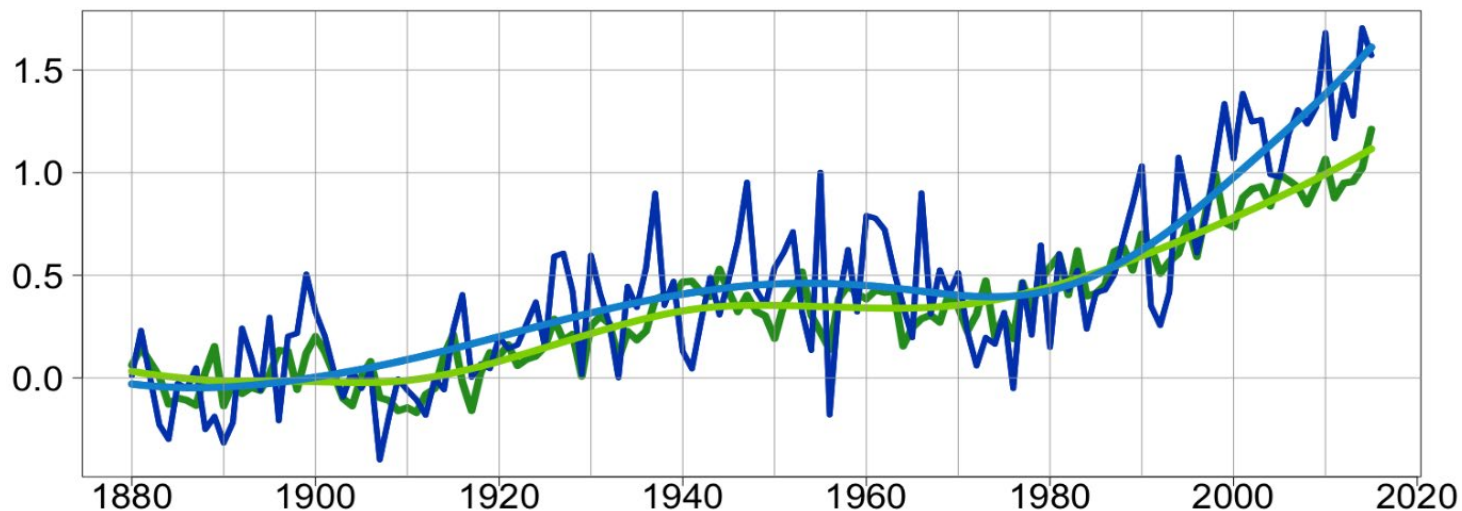
<https://doi.org/10.1038/s41558-018-0299-2>

nature  
climate change

## Climate change and interconnected risks to sustainable development in the Mediterranean

Wolfgang Cramer<sup>1\*</sup>, Joël Guiot<sup>2</sup>, Marianela Fader<sup>3</sup>, Joaquim Garrabou<sup>4,5</sup>, Jean-Pierre Gattuso<sup>6,7</sup>, Ana Iglesias<sup>8</sup>, Manfred A. Lange<sup>9</sup>, Piero Lionello<sup>10,11</sup>, Maria Carmen Llasat<sup>12</sup>, Shlomit Paz<sup>13</sup>, Josep Peñuelas<sup>14,15</sup>, Maria Snoussi<sup>16</sup>, Andrea Toreti<sup>17</sup>, Michael N. Tsimplis<sup>18</sup> and Elena Xoplaki<sup>19</sup>

### Mean Temperature Anomalies (K)

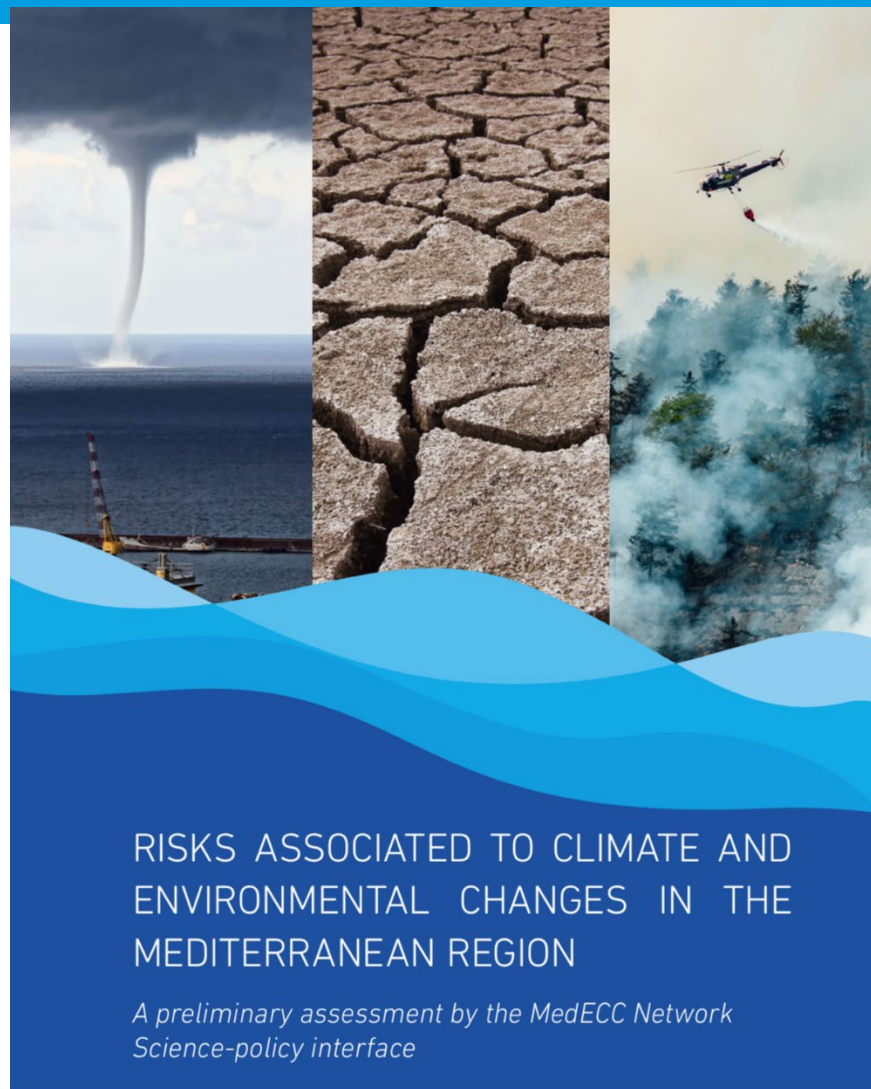


# MedECC early outputs

A **foundation paper**: Oct. 2018  
Nature Climate Change

A **preliminary assessment**  
("booklet") of risk associated to  
climate and environmental changes  
in the Mediterranean region, in  
collaboration with decision-makers

- First presentation at UNFCCC COP24 in Poland
- Updated for IV<sup>th</sup> Regional Forum
- Available in English, French, Arabic





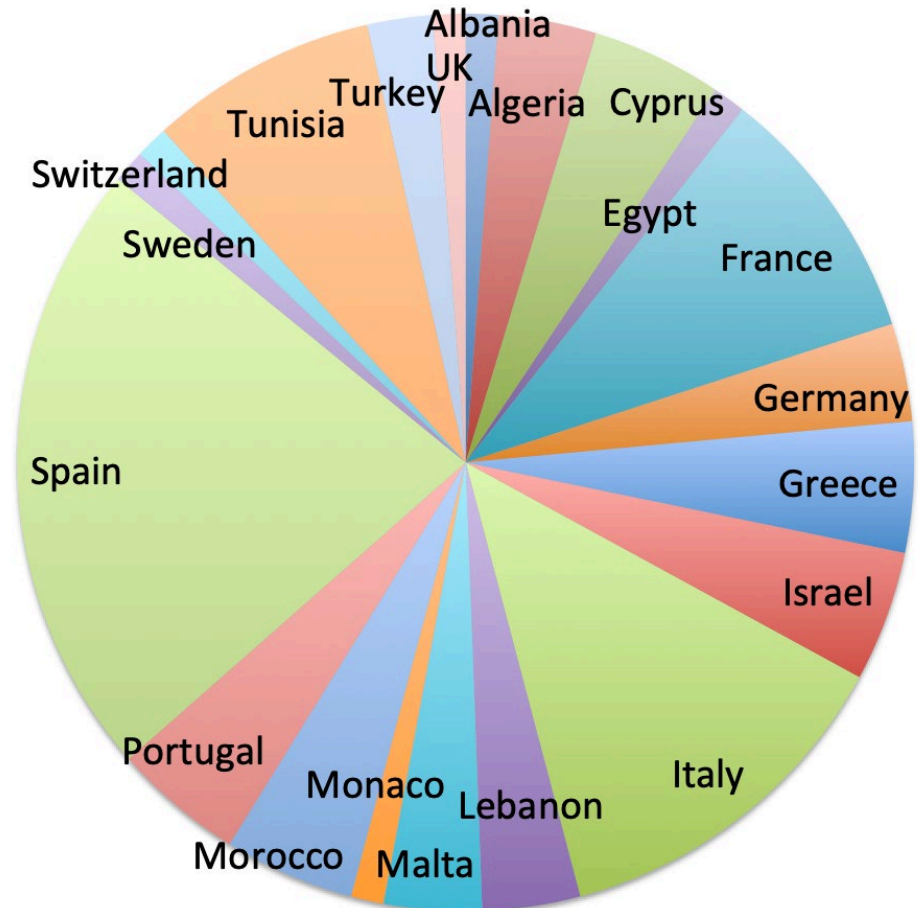
# 1st MedECC report: MAR 1

- Assessment Report (~400-500 p)
- Summary for Policy-Makers (SPM) (~20 p)
- Collective effort and voluntary contributions
- Highly transparent expert and stakeholders / policy review

85 scientists from 20 countries

38% authors from southern and eastern Med.

44% Coordinating Lead Authors are women



# Work plan

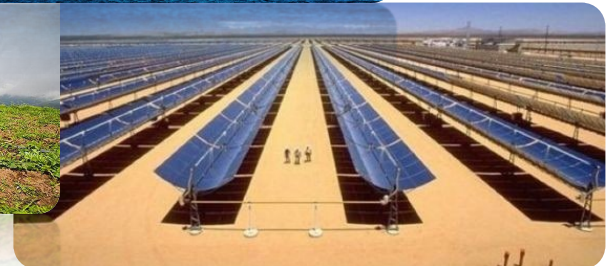
- Oct-November 2019: External Review of the second draft by scientific experts
- December 2019: Coordinating Lead Authors and Steering Committee Meeting on draft SPM
- December 2019 - February 2020: Revision of MAR1 and SPM
- February-March 2020: Review of the draft SPM by stakeholders
- April 2020- June 2020: Finalization of the MAR1 and its SPM
- tbd 2020: Plenary discussion on SPM





# Potential leads for the future, include...

- Communication and dialogue on the report results
- Contribution to a regional foresight
- Zoom on coastal impacts & lessons learned from projects / pilots
- Territorial focuses and local partnerships



# Supporting institutions



Sweden  
Sverige



Union for the Mediterranean  
Union pour la Méditerranée  
الإتحاد من أجل المتوسط



Generalitat de Catalunya  
**Consell Assessor  
per al Desenvolupament Sostenible**

MÉTROPOLE  
AIX-MARSEILLE  
PROVENCE



Région  
Provence  
Alpes  
Côte d'Azur