

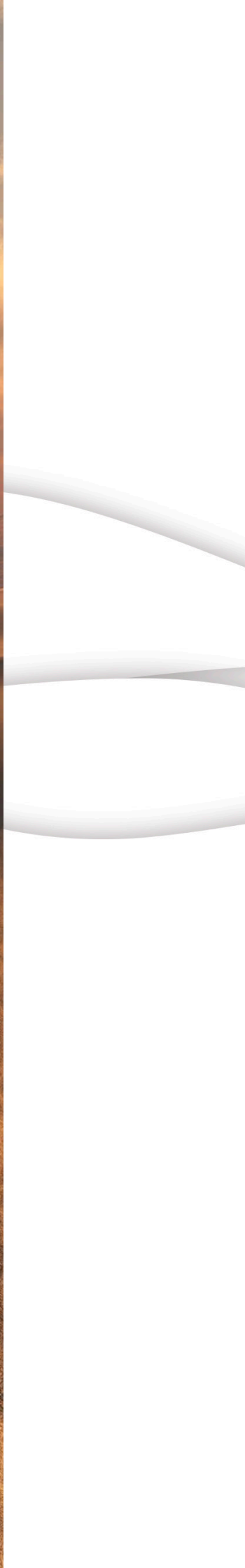


# CLIMATE AND ENVIRONMENTAL CHANGE IN THE MEDITERRANEAN BASIN

Current situation and risks for the future

First Mediterranean Assessment Report

by **MedECC** (Mediterranean Experts on Climate and environmental Change)



# CLIMATE AND ENVIRONMENTAL CHANGE IN THE MEDITERRANEAN BASIN

First Mediterranean Assessment Report (MAR1)

## Edited by

**Wolfgang Cramer**

MedECC Coordinator  
CNRS, France

Mediterranean Institute for terrestrial and  
marine Biodiversity and Ecology (IMBE)

**Joël Guiot**

MedECC Coordinator  
CNRS, France

Centre Européen de Recherche et d'Enseignement  
des Géosciences de l'Environnement (CEREGE)

**Katarzyna Marini**



MedECC Secretariat  
Plan Bleu



Mediterranean  
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## MEDECC

The Mediterranean Experts on Climate and environmental Change (MedECC) are an independent network of scientists and associated risks in the Mediterranean Basin in order to render it accessible to policymakers, stakeholders and citizens.

Working since 2008, MedECC has been successful in providing information and advice to the Mediterranean region as Contracting Parties to the Convention for the Protection of the Marine Environment and the Coastal Region of the Council of Europe.

With the support of the European Union, MedECC has been able to carry out a series of projects and activities, including the development of a series of reports and studies on climate and environmental change in the Mediterranean Basin.

MedECC reports are prepared for use of policymakers and a broader audience. They are developed on the basis of scientific research and expert peer review. However, due to the complexity of the issues and the limited resources available, some errors and omissions are nevertheless not unlikely.

## THIS REPORT

**NOTE**  
of climate and environmental change in the Mediterranean Basin. The report includes a Summary for Policymakers (SPM) which has been subject to expert peer review.

The second draft, revised to take into account review comments, and now supplied with a SPM, has undergone broad consultation with governments, decision-makers and stakeholders in 2020. The particular aim of the consultation was to ensure that the SPM was clear and concise. Chapter drafts were also supplied with the SPM under review, they served as background information only and were not part of the review.

The MedECC coordinators are very grateful for the expertise, rigor and dedication shown by the volunteer Coordinators and the many other experts who have provided their expertise and advice.

MedECC has been able to carry out a series of projects and activities, including the development of a series of reports and studies on climate and environmental change in the Mediterranean Basin. The stakeholder review was concluded during the online Plenary Session of stakeholders held on September 22, 2020.

MedECC has provided responses to all review comments.

This publication has been made possible through the collaboration of 190 contributors, who are listed in the full report.

**Editors:** Wolfgang Cramer, Joël Guiot, Katarzyna Marini.

**Editorial Committee:** Semia Cherif (*Tunisia*), Wolfgang Cramer (*France*), Carlo Giupponi (*Italy*), Joël Guiot (*France*), Manfred Lange (*Cyprus/Germany*), Piero Lionello (*Italy*), Katarzyna Marini (*France*), Maria Snoussi (*Morocco*), Andrea Toreti (*Italy*), Elena Xoplaki (*Greece/Germany*).

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## FOREWORD

Climate change is possibly the most crucial challenge for the future of the Mediterranean: the pace and magnitude of climate change and its impacts in the region can turn it into a serious stability risk if untamed and not integrated organically in national and regional policy.

MedECC is a result of the joint efforts to support the work undertaken by the network of Mediterranean Experts on Climate and environment (MedECC) in the Mediterranean Basin, France.

The methodology used by MedECC is based on key principles of the Intergovernmental Panel on Climate Change (IPCC) and of the Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES). This approach is innovative and has led to the results achieved.

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**Mr. Nasser KAMEL**  
*Secretary General*  
Union for the Mediterranean



**Mr. Gaetano LEONE**  
*Coordinator*  
MedECC



**SECRET**  
**SECRET**

for the Mediterranean, Plan Bleu has hosted the MedECC Secretariat and supported directly its activities since its creation.

Le 20 mars 2013, le MedECC Secretariat a été créé à l'initiative de la France, en collaboration avec les pays méditerranéens, afin de faciliter la mise en œuvre de la Convention de Barcelone sur le rôle du climat dans le développement durable. Le MedECC Secretariat a pour mission de promouvoir l'échange d'informations et de bonnes pratiques entre les pays méditerranéens et de faciliter la mise en œuvre de la Convention de Barcelone sur le rôle du climat dans le développement durable.

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**Mr. Thierry LAVOUX**  
**SECRET**

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