

CLIMATE: THE MEDITERRANEAN HOTSPOT



85 scientists from 20 countries of the Network of Mediterranean Experts on Climate and Environmental Change (MedECC) present:

SCIENTIFIC ASSESSMENT REPORT ABOUT **CLIMATE AND ENVIRONMENTAL CHANGE** IN THE MEDITERRANEAN

FOOD SECURITY O

Food demand is set to increase as yields of crops, fish and livestock decline

90% of commercial fish stocks are already overfished, with the average maximum body weight of fish expected to shrink by up to half by 2050

WATER RESOURCES OF

Within 20 years, 250+ million people will be classified as 'water-poor'

Fresh water availability is to decrease by up to 15% among the largest decreases in the world

SEA LEVEL O

Sea level rises may exceed 1 metre by 2100, impacting 1/3 OF THE REGION'S population

Half of the 20 global cities set to suffer most from

sea level rises by 2050 are in the Mediterranean

ECOSYSTEMS O

The Mediterranean basin is **ONE OF THE MOST PROMINENT** hotspots of climate and environmental change

700+ non-indigenous animal species recorded due to warmer conditions

Increasing water acidification causes mass deaths of marine species

Mega fires have destroyed record areas of forest due to climate change

The Mediterranean **REGION IS WARMING** 20% faster than the global average

> Regional temperature increase of

by 2040 with current policies

Paris Agreement's target of 1.5°C

O HEALTH AND SECURITY

Increase in frequency, intensity and duration of **HEAT WAVES** imply significant health risks for vulnerable populations, especially in cities

Increasing frequency

in droughts since the 1950s has played a significant role in the current regional crisis

Conflicts concerning limited natural resources may increase large-scale human migrations













«Europe»... what a weird idea





Identity reshufflements



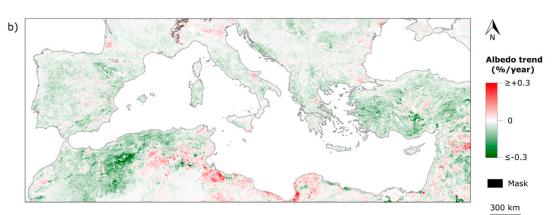


Divisive Trends





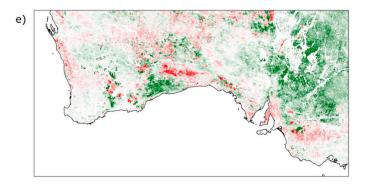


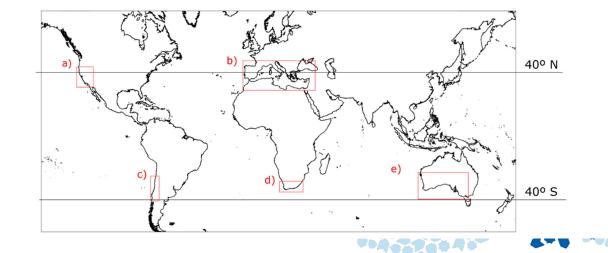


Unifying Trends













The Mediterranean Asymmetry

90%

9%

0,9%





Nobody can make it alone









MANY SCIENTIFIC FINDINGS CONVERGING IN ONE: MAGNITUDE, PACE, AND INTERCONNECTEDNESS OF CHANGE IN THE MEDITERRANEAN ARE SO VAST THAT NO ONE SINGLE COUNTRY CAN COPE WITH IT ON ITS



















