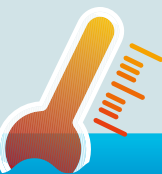


The Mediterranean a climate change hotspot where vulnerabilities are exacerbated

SoED
2020

State of the Environment and
Development in the Mediterranean



Already
0.4°C

increase in seawater temperature
(up to +3.5°C by 2100)

+1.54°C

increase in air temperature:
above the global average

(projection in 2040: +2.2°C
versus +1.5°C global level)

Low-lying coastal
cultural heritage sites
are threatened by
flooding and erosion



A decrease of

-0.1

in the pH of the ocean since
the pre-industrial period, and
a forecast of -0.4 by 2100



Warming
20%

faster than global average



-30%

of rainfall in spring/summer
by 2080 and +10/20% of heavy
rainfall events outside of summer

Increased fire risk
through a longer
fire season, increasing
heatwaves and drought



Sea level rise

between 0.43 and 2.5 m by 2100, depending on
scenarios and projections. Increased risk for the
20 million people living below 5m of current sea level



Consequences

- ⊕ heat waves
- ⊕ coastal erosion
- ⊕ fires
- ⊕ invasive species
- ⊕ acidification of the sea
- ⊕ floods
- ⊖ modification of migrations and risk of extinction of certain species
- ⊖ quality aquaculture fishing
- ⊖ agriculture production



#SustainableMED

To consult the full report on the State of the Environment and Development in the Mediterranean and its information sources : www.planbleu.org/soed