



APPENDIX

**List of acronyms,
chemical symbols
and scientific units**

%	Percent, part per hundred
‰	Per-mil, part per thousand
°C	Degree Celsius
\$	American dollar
€	Euro
A1	IPCC SRES storyline and scenario family: a future world of very rapid economic growth, global population that peaks in mid-century and declines thereafter, and rapid introduction of new and more efficient technologies
A2	IPCC SRES storyline and scenario family: a very heterogeneous world with continuously increasing global population and regionally oriented economic growth that is more fragmented and slower than in other storylines
ACP	Asbestos Cement Pipeline
AD	Anno Domini
ADEME	French Agency for Ecological Transition
AGCM	Atmospheric General Circulation Model
AI	Aridity Index
AIR Climat	Association for Innovation and Research in Climate
Al	Aluminum
AMF	Arbuscular mycorrhiza fungi
AMO	Atlantic Multidecadal Oscillation
Approx.	Approximately
AR3	IPCC Third Assessment Report
AR4	IPCC Fourth Assessment Report
AR5	IPCC Fifth Assessment Report
AR6	IPCC Sixth Assessment Report
Art.	Article
As	Arsenic
a.s.l.	above sea level
ASP	Amnesic Shellfish Poisoning
atm	standard atmosphere (unit of pressure)
B	Boron
B1	IPCC SRES storyline and scenario family: a convergent world with the same global population as in the A1 storyline but with rapid changes in economic structures toward a service and information economy, with reductions in material intensity, and the introduction of clean and resource-efficient technologies
B2	IPCC SRES storyline and scenario family: a world in which the emphasis is on local solutions to economic, social, and environmental sustainability, with continuously increasing population (lower than A2) and intermediate economic development.
BC	Before Christ
BiOS	Bimodal Oscillating System
BP	Before Present
C	Carbon
CA	Contributing Author
ca.	circa, meaning approximately
CAAGR	Compounded Average Annual Growth Rate
CaCO₃	Calcium carbonate
CADS	Advisory Council for the Sustainable Development of the Government of Catalonia
cal	calibrated years

cap	capita
CAP	Common Agricultural Policy
CBD	Convention on Biological Diversity
CCA	Climate Change Adaptation
CCEG	Climate Change Expert Group
Cd	Cadmium
CDM	Clean Development Mechanisms
CE	Common Era or Current Era
CEDAW	Convention on the Elimination of All Forms of Discrimination against Women
CFCC	Our Common Future under Climate Change
CH₄	Methane
CIMPAL	Cumulative IMPacts of invasive ALien species
CIRCE	Climate change and impact research: the Mediterranean environment
CL	Cutaneous Leishmaniasis
CLA	Coordinating Lead Author
cm	centimeter
CMEMS	Copernicus Marine Environment Monitoring Service
CMIP3	Couples Model Intercomparison Project Phase 3
CMIP5	Couples Model Intercomparison Project Phase 5
CNR-ISMAR	Italian National Research Council, Institute for Marine Science
CNRM	French National Centre for Meteorological Research
CNRS	French National Centre of Scientific Research
Co	Cobalt
CO₂	Carbon dioxide
CO_{2e}	Carbon dioxide equivalent
CO₃²⁻	Carbonate ion
COP	Conference of the Parties
CORDEX	Coordinated Regional Climate Downscaling Experiment
CP	Contracting Party
CPRCM	Convection-Permitting Regional Climate Models
Cr	Chromium
CRI-MED	Coastal Risk Index
CRU	Climatic Research Unit
CRU TS	Climatic Research Unit Timeseries
CS	“Conservative” Scenario
CSO	Civil Society Organisation
CSP	Concentrated Solar Power
CT	Conventional Tillage
CTD	conductivity-temperature-depth
Cu	Copper
DAISIE	Delivering Alien Invasive Species Inventories for Europe
DI	Development Index
Dii	Desert industrial energy initiative
DJF	December-January-February
DSP	Diarrheic Shelfish Poisoning
e.g.	for example
EC	Emerging Contaminants
EC	European Commission
ECtHR	European Court of Human Rights
ED	Endocrine Disruptors
eDNA	environmental deoxyribonucleic acid
EEA	European Environment Agency

EEAC	European Environment and Sustainable Development Advisory Councils
EF	Emission Factor
E	Exa (10^{18})
ELA	Equilibrium Line Altitude
EMT	Eastern Mediterranean Transient
ENSO	El Niño Southern Oscillation
EPPO	European and Mediterranean Plant Protection Organization
ESD	education for sustainable development
etc.	et cetera meaning “and other similar things”
EU	European Union
EWG	Expert Working Groups
EWS	Early Warning Systems
F	Fishing mortality rate i.e. the catch relative to the size of the stock (the proportion of fish caught and removed by fishing).
FAO	Food and Agriculture Organisation
FD	Final Draft
Fe	Iron
Fig.	Figure
FMSY	The maximum rate of fishing mortality (the proportion of a fish stock caught and removed by fishing)
FOD	First Order Draft
FPS	Flagship Pilot Study
FRA	Fisheries Restricted Area
G	Giga (10^9)
g	gram
GCM	Global Climate Model
GDI	Gender Development Index
GDP	Gross Domestic Product
GFCM	General Fisheries Commission for the Mediterranean
GHG	Greenhouse Gases
GII	Gender Inequality Index
GIS	Geographic Information System
GNH	Gross National Happiness
GNI	Gross National Income
GOA-ON	Global Ocean Acidification-Observing Network
GOLT	Gill-Oxygen Limitation Theory
GRACE	NASA's Gravity Recovery and Climate Experiment
GREC-SUD	Regional Group of Experts on Climate in the “South Region” of France (Provence-Alpes-Cote d'Azur)
GWL	Global Warming Level
h	hour
H⁺	Hydrogen ion
ha	hectare
HAB	Harmful Algal Bloom
HCO₃⁻	Bicarbonate ion
HD	Human Development
HDPE	High-Density Polyethylene
Hg	Mercury
i.e.	that is
IBT	Inter-Basin Transfer
ICCPR	International Covenant on Civil and Political Rights

ICESCR	International Covenant on Economic, Social and Cultural Rights
ICRC	Convention on the Rights of the Child
IGO	Intergovernmental Organization
IHDI	Inequality-adjusted Human Development Index
IIASA	International Institute for Applied Systems Analysis
IPBES	Intergovernmental Science Policy Platform on Biodiversity and Ecosystem Services
IPCC	Intergovernmental Panel on Climate Change
IRD	French National Research Institute for Sustainable Development
ISBA	Interactions between Soil, Biosphere, and Atmosphere
IUCN	International Union for Conservation of Nature
IWRM	Integrated Water Resources Management
J	Joule
JJA	June-July-August
K	Potassium
ka	kilo annum, thousand calendar years ago
k	kilo (10 ³)
l	liter
LA	Lead Author
LabEx OT- Med	Laboratory of Excellence "Objectif Terre - Bassin Méditerranéen"
LCOE	levelized Cost Of Energy
LDC	Less Developed Country
LDN	Land Degradation Neutrality
LID	low-impact development
LIW	Levantine Intermediate Water
LMPA	Large Marine Protected Area
LPI	Living Planet Index
M	Mega (10 ⁶)
m	meter
m	milli (10 ⁻³)
MAES	Mesophotic Assemblages Ecological Status
MAP	Mediterranean Action Plan
MAR	Managed Aquifer Recharge
MAR1	1st Mediterranean Assessment Report
max	maximum
MCSd	Mediterranean Commission on Sustainable Development
MECIDS	Middle East Consortium on Infectious Disease Surveillance
Med	Mediterranean
MedCLIVAR	Mediterranean CLImate VARIability and Predictability
MedCOF	Mediterranean Climate Outlook Forum
MedECC	Mediterranean Experts on Climate and environmental Change
MEDENER	Mediterranean Association of National Agencies for Energy Management
MEDREG	Association of Mediterranean Energy Regulators
MENA	Middle East and North Africa
MEP	Mediterranean Energy Perspectives
min	minimum
MISTRALS	Mediterranean Integrated STudies at Regional And Local Scales
MMEs	Mass Mortalities Events
Mn	Manganese
MP	Microplastics (plastic particles with a longest dimension <5 mm)
MPA	Marine Protected Area

MPI	Multidimensional Poverty Index
MS	Mediterranean Sea
MS	Member States
MSFD	Marine Strategy Framework Directive
MSSD	Mediterranean Strategy for Sustainable Development
Mt	Mountain
MTE	Metal Trace Elements
n	nano (10^{-9})
N	Nitrogen
N₂	molecular nitrogen
N₂O	Nitrous oxide
NAO	North Atlantic Oscillation
NDC	Nationally Determined Contributions
NGO	Non-Governmental Organization
NH₃	Ammonia
NH₄⁺	Ammonium ion
Ni	Nickel
NI	Nitrification and urease inhibitors
NIS	Non-Indigenous Species
no	number
NO	Nitric oxide
NO₂	Nitrogen dioxide
NO₃	Nitrate
NO₃⁻	Nitrate ion
NO_x	Nitrogen oxide
Nr	Reactive nitrogen
NRW	Non-Revenue Water
NT	No Tillage
NW	NorthWestern
NWFP	Non-Wood Forest Product
O₃	Ozone
OAR	Ocean Acidification Refugia
OCP	Organochlorinated phenyl
OECD	Organisation for Economic Co-operation and Development
OHCHR	Office of the High Commissioner for Human Rights
OME	Mediterranean Energy Observatory
OPHI	Oxford Poverty & Human Development Initiative
Osm	Osmole
P	Penta (10^{15})
P	Phosphorus
p	probability value (significance)
PAE	Phthalic Acid Ester
PAH	Polycyclic Aromatic Hydrocarbon
PAI	Pesticide Active Ingredients
Pb	Lead
PCB	Polychlorinated biphenyl
pCO₂	Partial pressure of carbon dioxide
PES	Payments for Ecosystem Services
PET	Potential Evapotranspiration
pH	Figure expressing the acidity or alkalinity of a solution on a logarithmic scale on which 7 is neutral, lower values are more acid and higher values more alkaline

PI	Precipitation Index
PM	Particulate Matter
PM10	PM with diameter below 10 µm
PM2.5	PM with diameter below 2.5 µm
POP	Persistent Organic Pollutant
ppb	parts per billion
PPP	Public-Private Partnership
PRA	Pest Risk Analysis
PS	Proactive Scenario
PSP	Paralytic Shellfish Poisoning
Psu	Practical salinity unit
PV	Photovoltaic
PVC	Polyvinyl chloride
R&D	Research and Development
RCM	Regional Climate Model
RCP	Representative Concentration Pathway
RCSM	Regional Climate System Model
RES	Renewable Energy Sources
resp.	respectively
RS	Reference Scenario
s	second
SC	Steering Committee
SD	Sustainable Development
SDG	Sustainable Development Goal
SDM	Species Distribution Models
Se	Selenium
SE	SouthEastern
SEMC	Southern and Eastern Mediterranean country
SIDA	Swedish International Development Cooperation Agency
SLM	Sustainable Land Management
SLP	Sea-Level Pressure
SO₂	Sulfur dioxide
SOC	Soil Organic Carbon
SOD	Second Order Draft
SoED 2019	State of the Environment and Development Report coordinated by Plan Bleu
SOM	Soil Organic Matter
SPI	Standardized Precipitation Index
SPM	Summary for Policymakers
SR1.5	IPCC Special Report on the impacts of global warming of 1.5°C above pre-industrial levels and related global greenhouse gas emission pathways
SRES	IPCC Special Report on Emissions Scenarios
SREX	IPCC Special Report on Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation
SROCC	IPCC Special Report on the Ocean and Cryosphere in a Changing Climate
SSP	Shared Socio-Economic Pathway
SST	Sea Surface Temperature
T	Tera (10 ¹²)
t	tonne
Ti	Titanium
toe	tonne of oil equivalent

TS	Transition Scenario
TWW	Treated Waste Water
UDHR	Universal Declaration of Human Rights
UfM	Union for the Mediterranean
UfM CCEG	Union for the Mediterranean Climate Change Expert Group
UHI	Urban Heat Islands
UN	United Nations
UNCCD	United Nations Convention to Combat Desertification
UNDP	United Nations Development Programme
UNEP	United Nations Environment Programme
UNESCO	United Nations Educational, Scientific and Cultural Organization
UNFCCC	United Nations Framework Convention on Climate Change
US	United States
USA	United States of America
USD	American dollar
VBD	Vector-Borne Disease
VL	Visceral Leishmaniasis
VNR	Voluntary National Review
vs.	versus
VW	Virtual Water
W	Watt
WCRP	World Climate Research Programme
WDM	Water Demand Management
WeMO	Western Mediterranean Oscillation
WF	Water Footprint
WFD	Water Framework Directive
WFP	Wood Forest Products
WFPS	Water Filled Pore Space
WHO	World Health Organization
WMT	Western Mediterranean Transition
WNV	West Nile virus
WOCAT	World Overview of Conservation approaches and Technologies
WSUD	Water-Sensitive Urban Design
WUE	Water-Use Efficiency
WWTP	Wastewater Treatment Plant
yr	year
Zn	Zinc
$\delta^{11}\text{B}$	Boron isotope
$\delta^{13}\text{C}$	Carbon isotope
μ	micro
μM	micromolar, micromole per liter