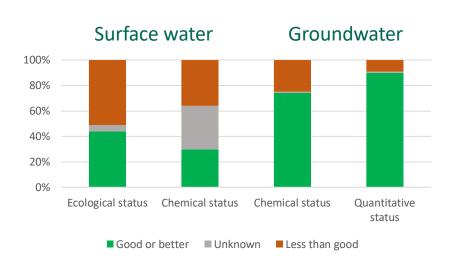
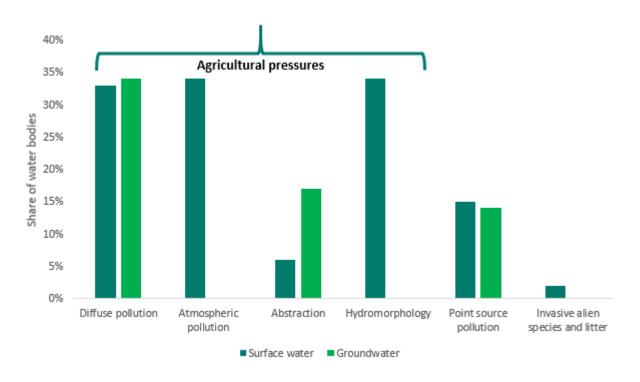


European Environment Agency

Results from Water Framework Directive assessments



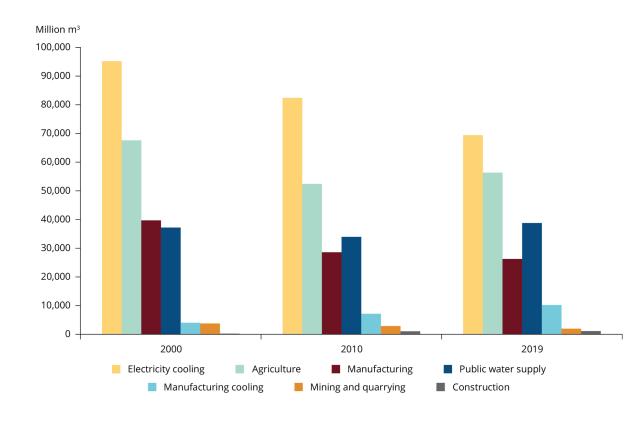
Should be 100% by 2027



Water abstraction in Europe

Water abstraction by source

Water abstraction by sector

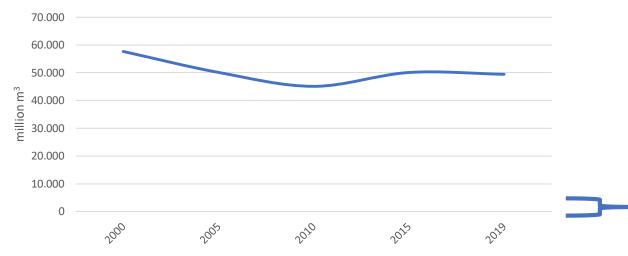


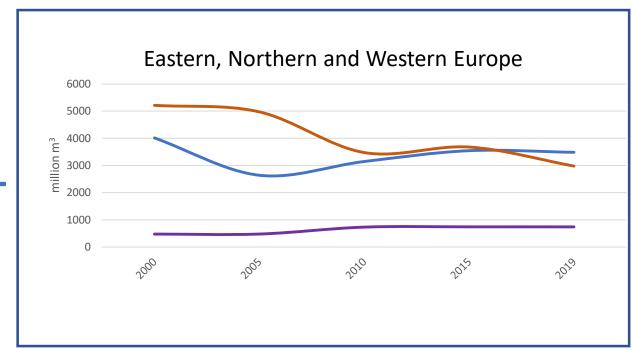
Calculation based on 27 EU Member States, 2000-2019



Temporal change in water abstraction for agriculture by regions

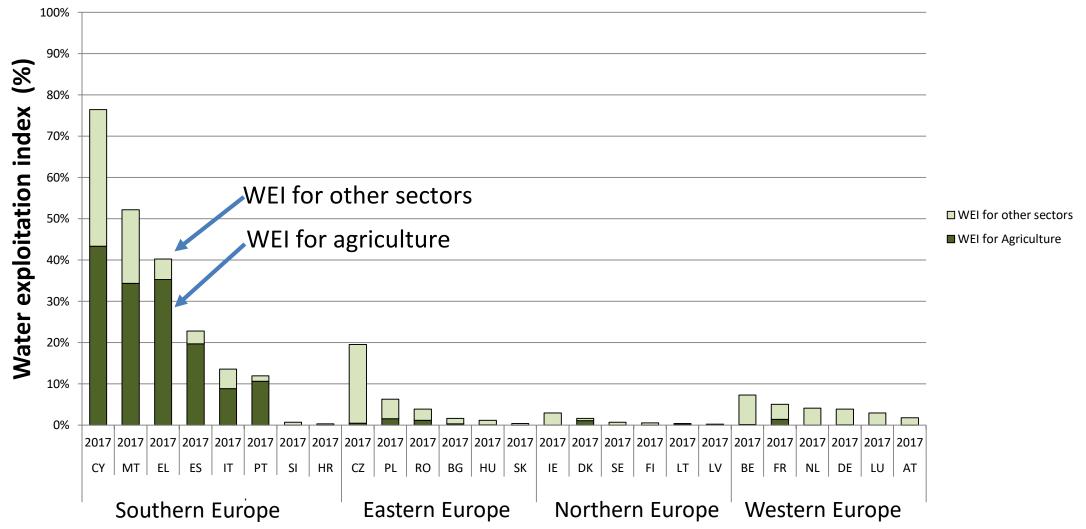






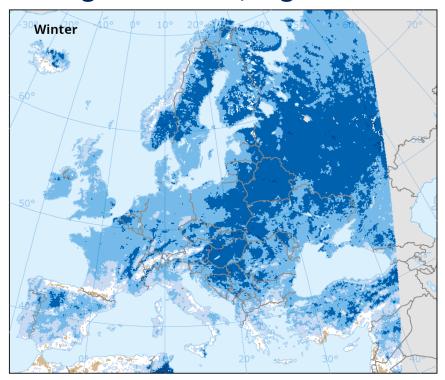
Water exploitation index for agriculture and other sectors (2017)

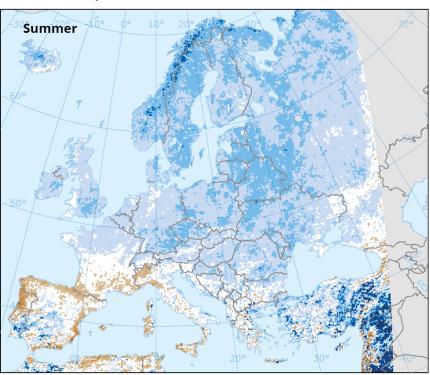
Water stress affects surface water in 20 % of the European territory and 30 % of the European population on average every year

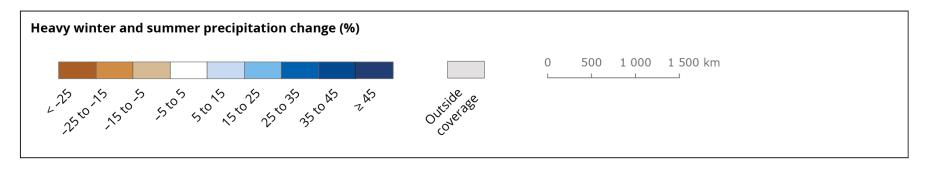


More flooding and droughts

Winter and summer heavy rain (projected change for 2080s, high emissions scenario)

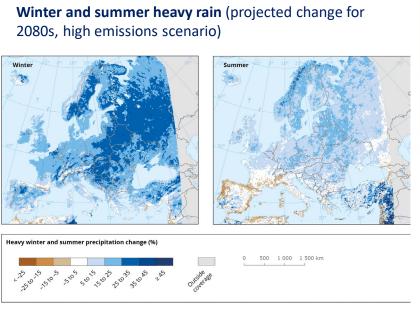


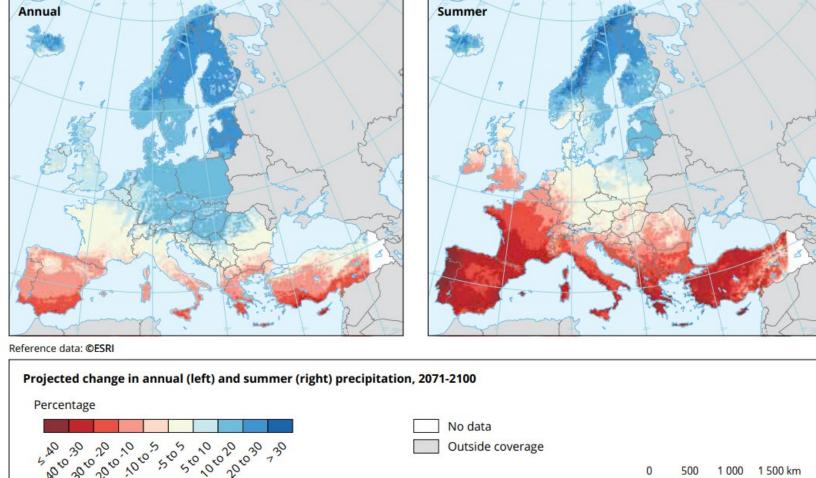




More flooding and droughts

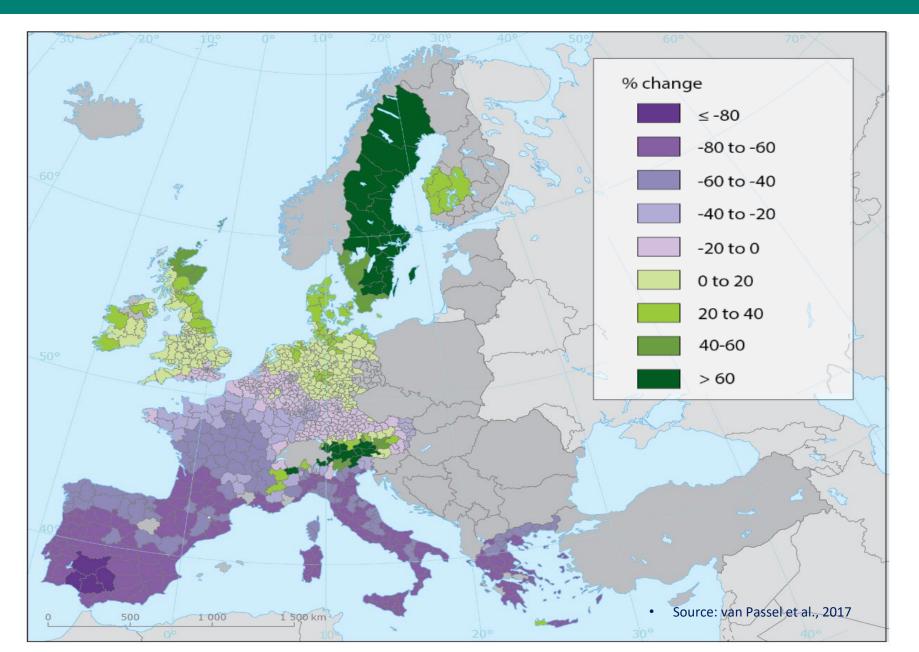
Annual and summer rain (projected change for the period 2071-2100)





Source: EEA (2017d).

Projected change in farmland value by 2100





Solutions

To reduce the impacts, there is a need to

- Increase water efficiency in irrigation and reduce water demand of agriculture and energy sectors
- Improve water cooling techniques
- Water savings in public sector
- Shift to drought resistant crops
- Re-use treated waste water
- Secure environmental flows
- Raise awareness of the necessity of these measures



Thank you very much for listening!

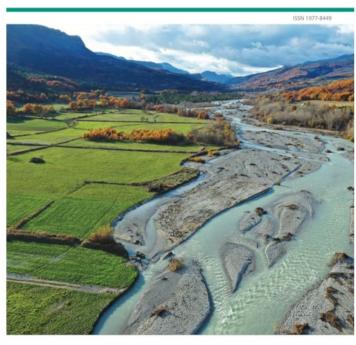
EEA Report No 17/2020

Water and agriculture: towards sustainable solutions

European waters Assessment of status and pressures 2018

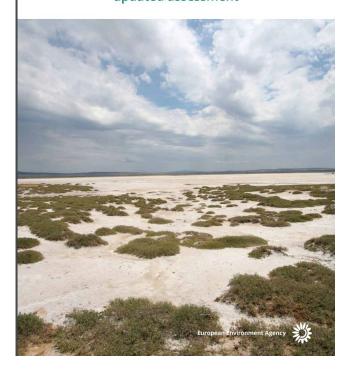
EEA Report | No 7/2018







Water resources across Europe — confronting water stress: an updated assessment



https://www.eea.europa.eu/publications/state-of-water

https://www.eea.europa.eu/publications/water-and-agriculture-towards-sustainable-solutions https://www.eea.europa.eu/publications/water-resources-across-europe-confronting

