



The 2017 EU Agricultural Outlook conference

*Could Climate Change be the catalyst
for policy reform?*

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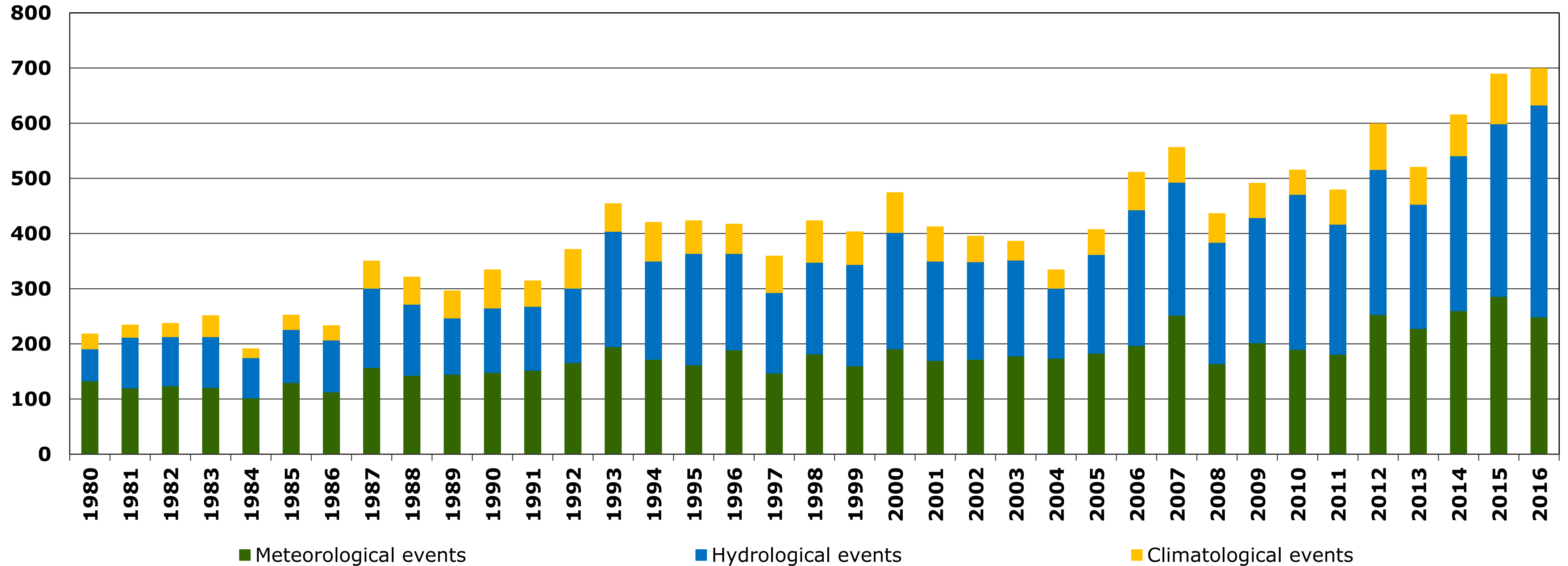
Brussels 18 -19 December 2017

#AgriOutlook

Agriculture
and Rural
Development

The facts of climate-linked loss events

Natural catastrophes worldwide - number of events



Meteorological events: Tropical storm, extra-tropical storm, convective storm, local storm.
 Hydrological events: Flood, mass water movement.
 Climatological events: Extreme temperature, drought, forest fires.

Source: © 2017 Münchener Rückversicherungs-Gesellschaft, Geo Risks Research, NatCatSERVICE (January 2017)



European Commission

Agriculture and Rural Development

The EU leads in problem identification ...

Climate change is not disputed ...

- ***... but is a widely recognised challenge in the EU***

Diverse EU climatic conditions facilitate the search ...

- ***... for multiple solutions and diversified strategies***

Both mitigation and adaptation strategies ...

- ***... are at the core of the EU policy debate***

... the EU leads in the search for solutions...

In all EU-related policy domains ...

- ***... climate change is a driver for best practices***

Taking the lead in the challenge recognition ...

- ***... allows for its internationalisation***

The free provision of climate-relevant information ...

- ***... by EU satellite technologies is widely recognised***

... but mind the emerging gaps ...

The knowledge gap ...

- *... between a universal problem and its non-universal solutions*

The technology gap ...

- *... between those that moved fast into innovation and those lagging behind*

The perception gap ...

- *... the role of science is doubted when its applications are most in need*

Where does farm policy fits in this?

In better linking what we know to what we grow ...

- ***... by filling the knowledge gap with new research priorities***

In better exchanging and transferring knowledge ...

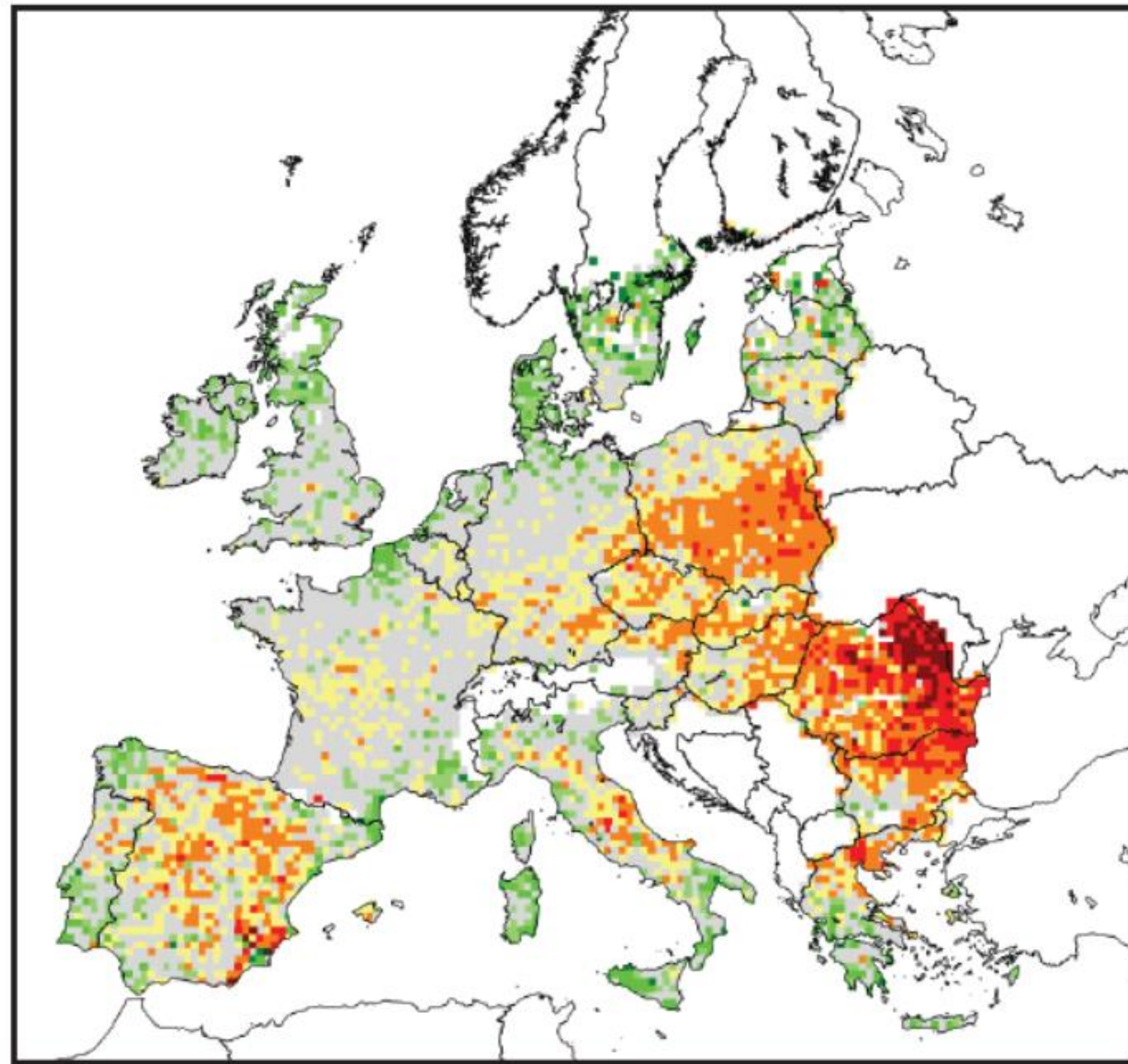
- ***... by bridging the gap between those advanced and those left behind***

In better targeting measures to objectives ...

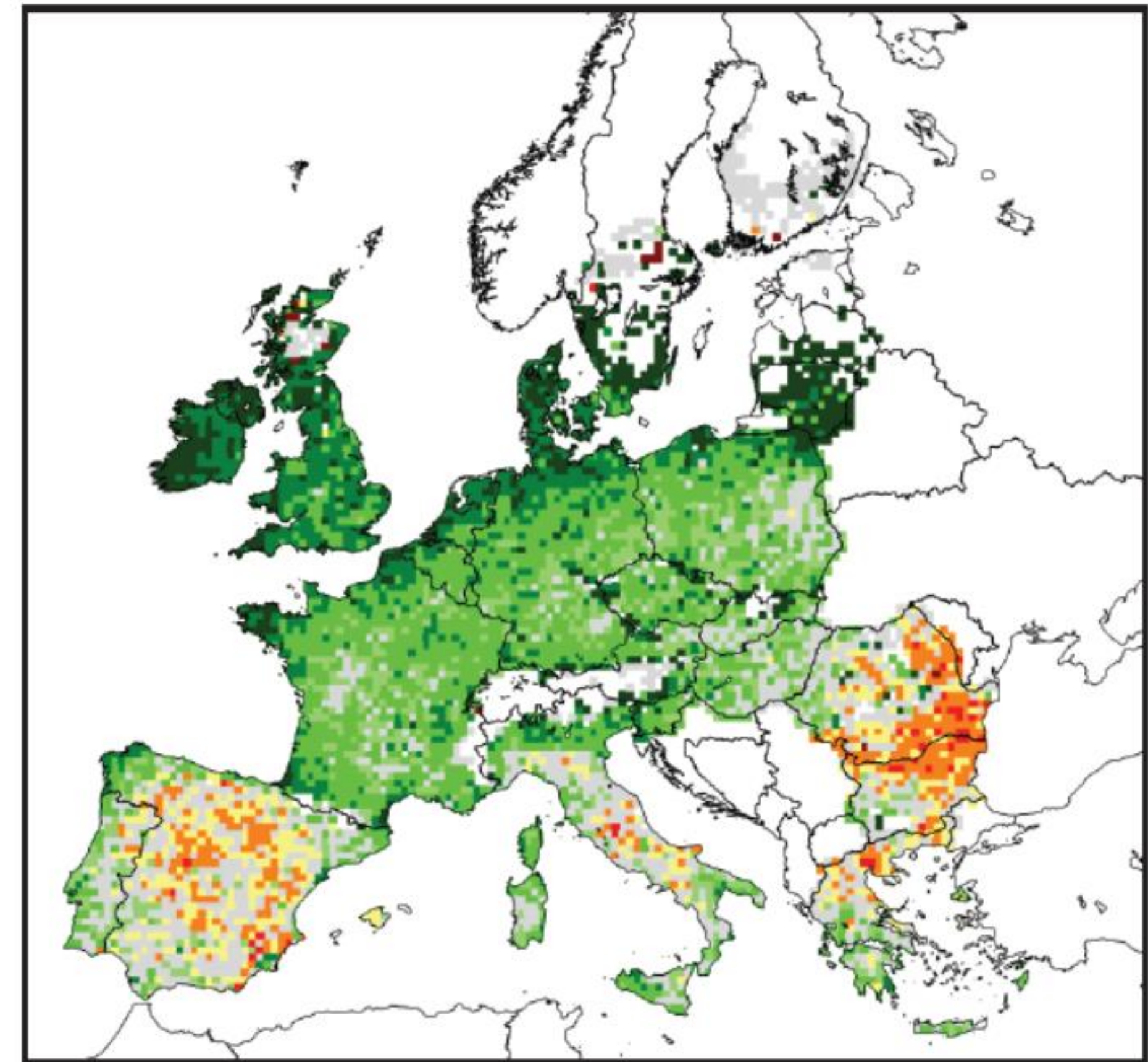
- ***... so that the focus shifts on incentivising and recognising desired results***

Farming practices can make a difference

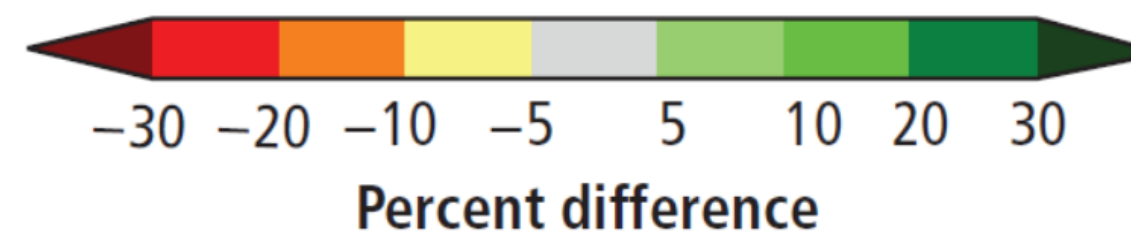
Percent difference of water-limited yield for wheat
A1B scenario, ECHAM5, 2030–2000 (baseline)



Percent difference of water-limited yield for wheat with adaptation
A1B scenario, ECHAM5, 2030–2000 (baseline)



Source: JRC 2013 crop model simulations.



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Commission

Agriculture and
Rural Development

Thank you

Climate and environmental challenges facing agriculture and rural areas

https://ec.europa.eu/agriculture/sites/agriculture/files/consultations/cap-modernising/env_background_final_en.pdf

An economic assessment of GHG mitigation policy options for EU agriculture

<https://ec.europa.eu/jrc/en/publication/eur-scientific-and-technical-research-reports/economic-assessment-ghg-mitigation-policy-options-eu-agriculture-ecampa-2>

https://ec.europa.eu/agriculture/external-studies/ecampa_en