

# Waste no time, waste no water

## The potential of water re-use in agriculture

Valentin Opfermann, DG AGRI D4  
Brussels, 08 October 2018

[#FutureofCAP](#)

[#ReuseWaterEU](#)



# OUTLINE

1. Weather situation summer 2018
2. Impacts on fodder/ crops
3. Potential of water reuse in CAP post 2020





# WEATHER SITUATION

## AREAS OF CONCERN - EXTREME WEATHER EVENTS

Based on weather data from 1 July 2018 until 1 September 2018



(c) EC - Joint Research Centre  
MARS AOC - AUGUST 2018

 Hot and dry conditions  
 Drought

 Rain surplus  
 Heat wave



# WEATHER SITUATION

## AVERAGE DAILY TEMPERATURE

Averaged values

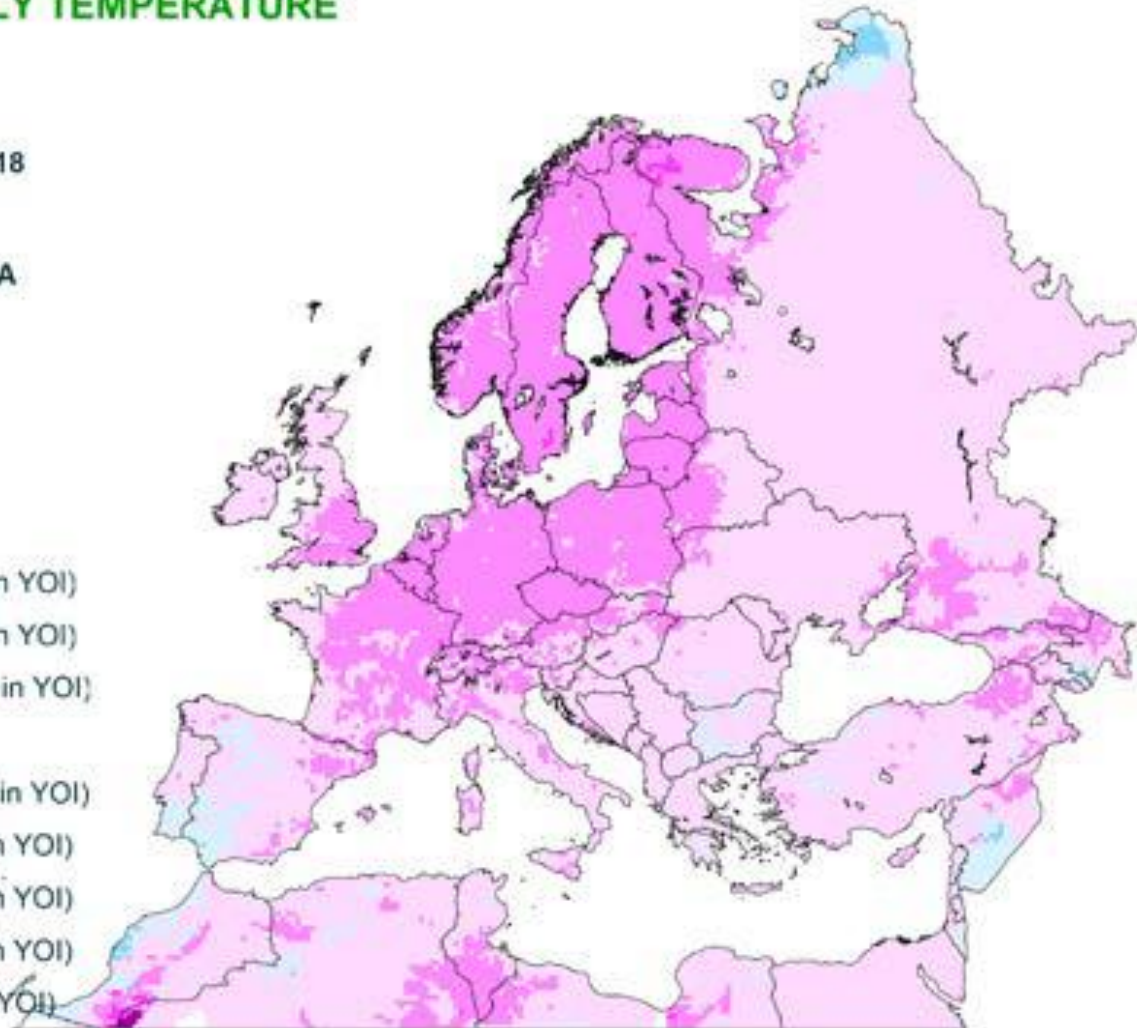
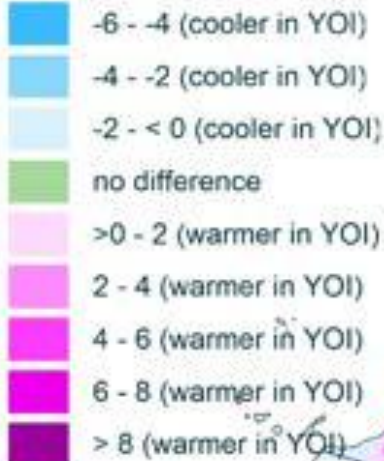
from : 01 July 2018

to : 20 August 2018

Deviation:

Year of interest - LTA

Unit: degrees Celsius



22/08/2018

resolution: 25x25 km



© European Union 2018

Source: Joint Research Centre (JRC CGMS 12)

Processed by: Alterra consortium



# WEATHER SITUATION

## NUMBER OF DAYS WITH SIGNIFICANT RAINFALL

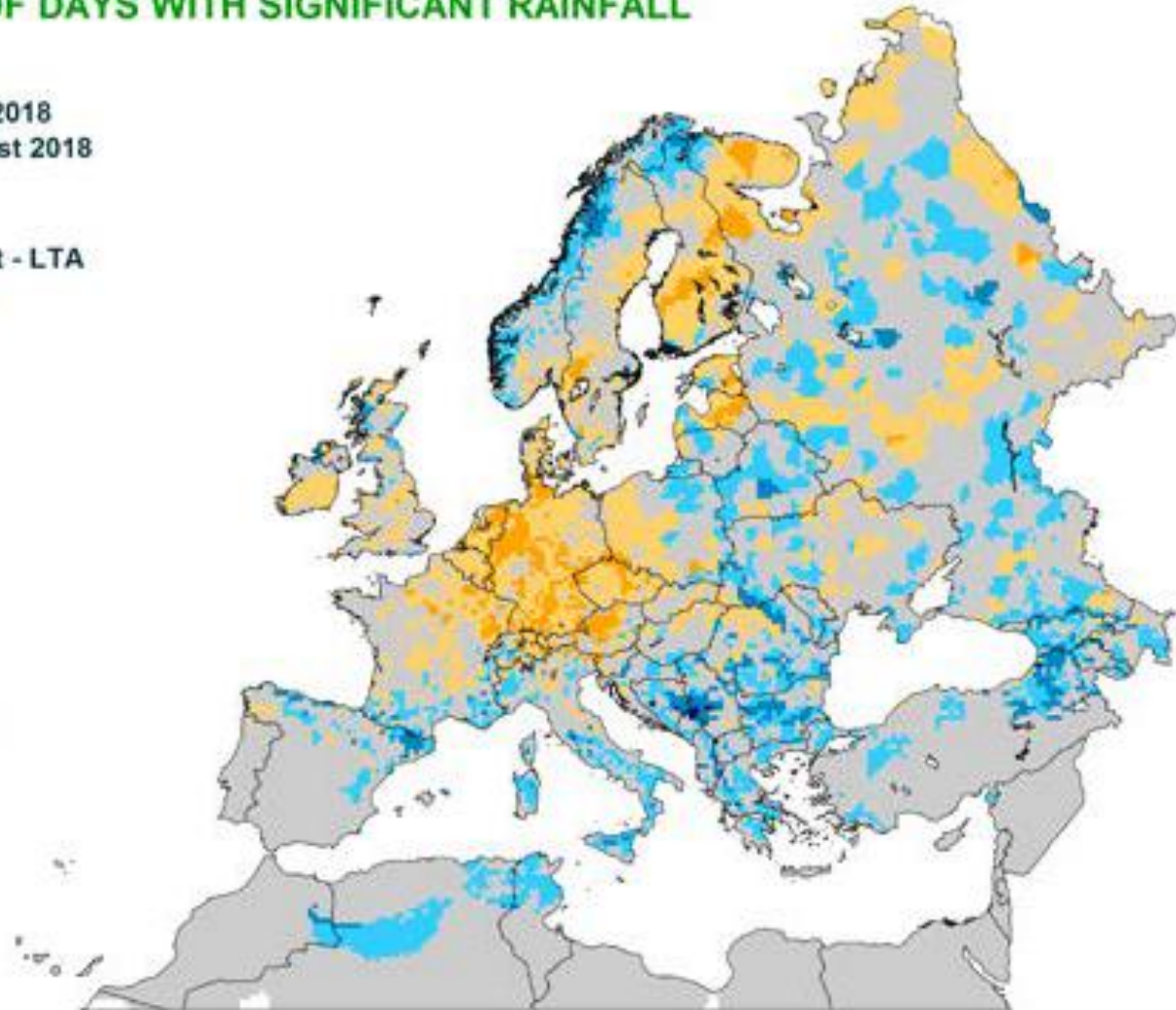
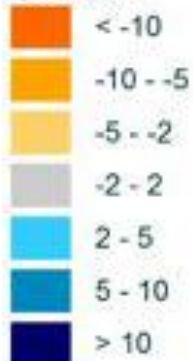
from : 01 July 2018  
to : 20 August 2018

Deviation:

Year of interest - LTA

Rain (mm) > 5

Unit: days



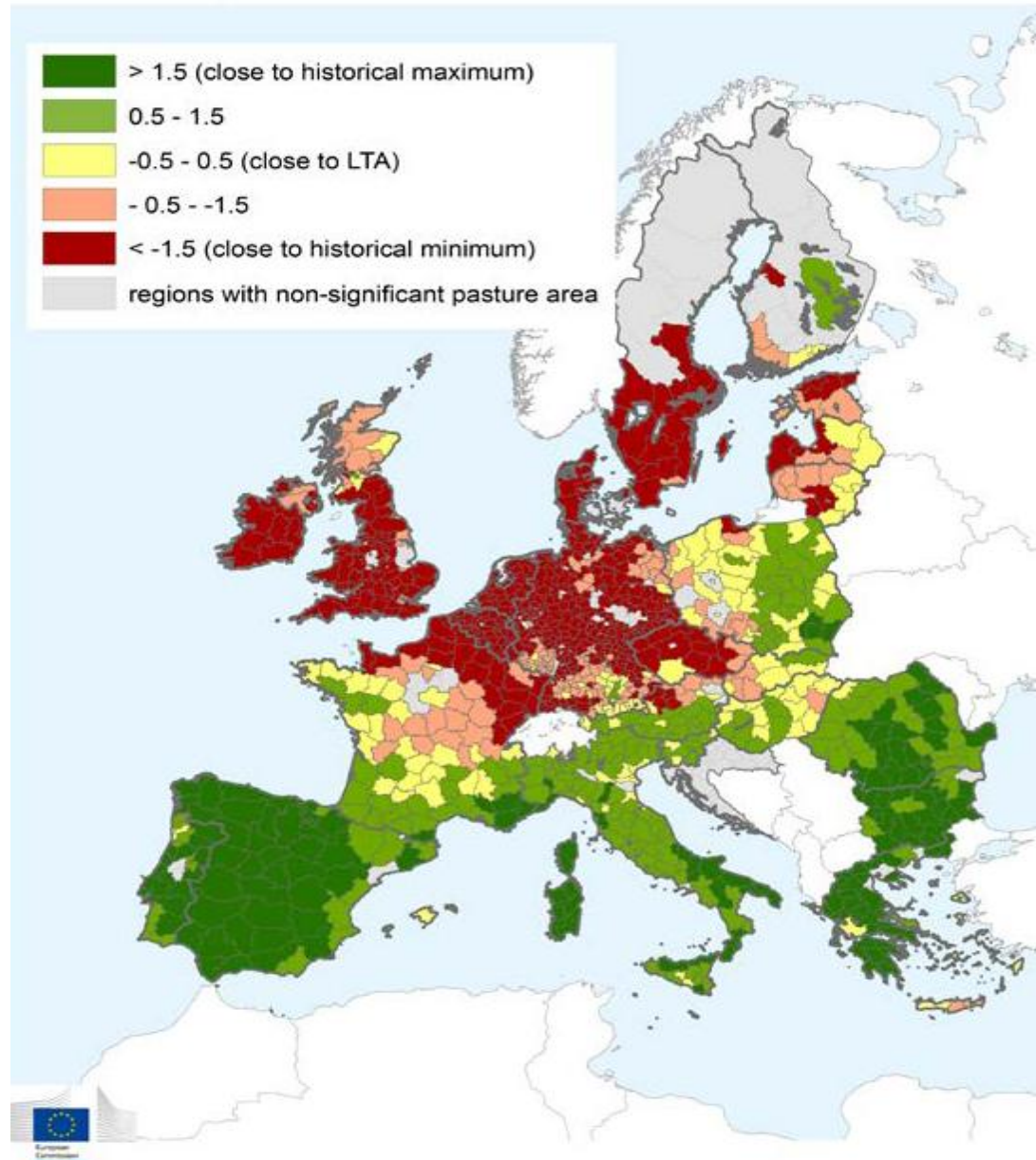
22/08/2018  
resolution: 25x25 km



© European Union 2018  
Source: Joint Research Centre (JRC CGMS 12)  
Processed by: Alterra consorciun



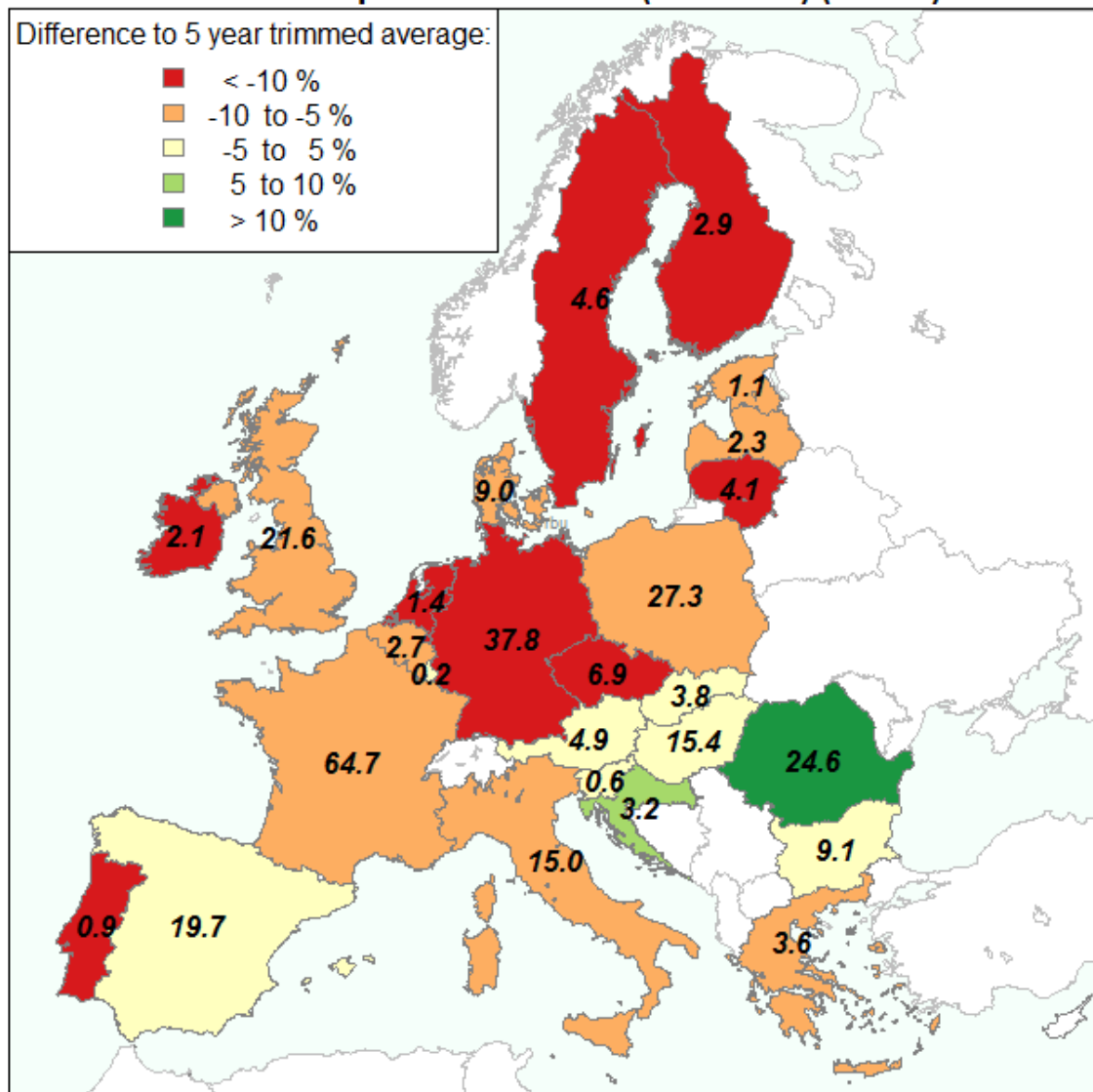
# IMPACTS ON PASTURES





# IMPACTS ON CERTAIN CROPS

All cereals production 2018 ( million t ) (f'cast.)



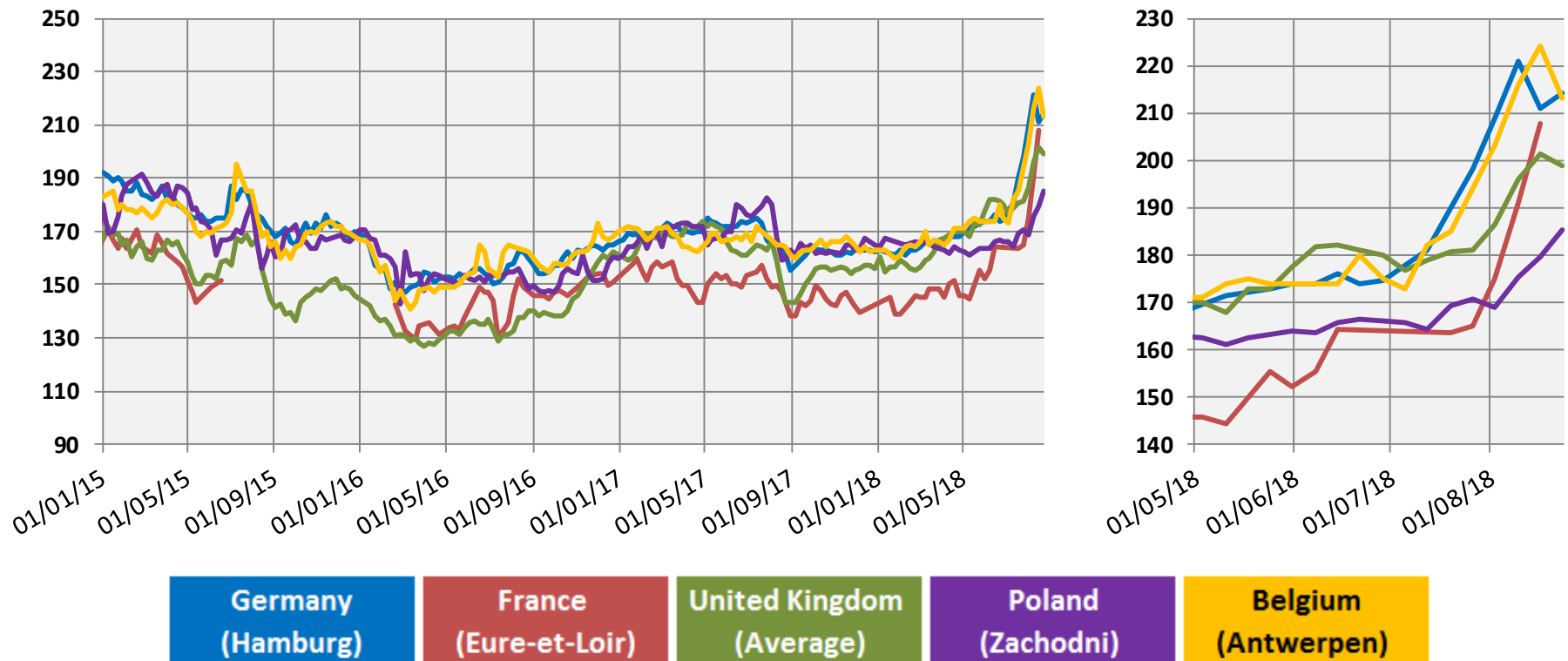
Calculations and cartography: European Commission DG AGRI G4 2018-08-27 © EuroGeographics for the administrative boundaries

EU28 production : 287.1 ( million t ) Difference to 5 year trimmed average: -7 %



# IMPACTS ON CERTAIN CROPS

## EU Market prices for feed wheat (€/tonne)



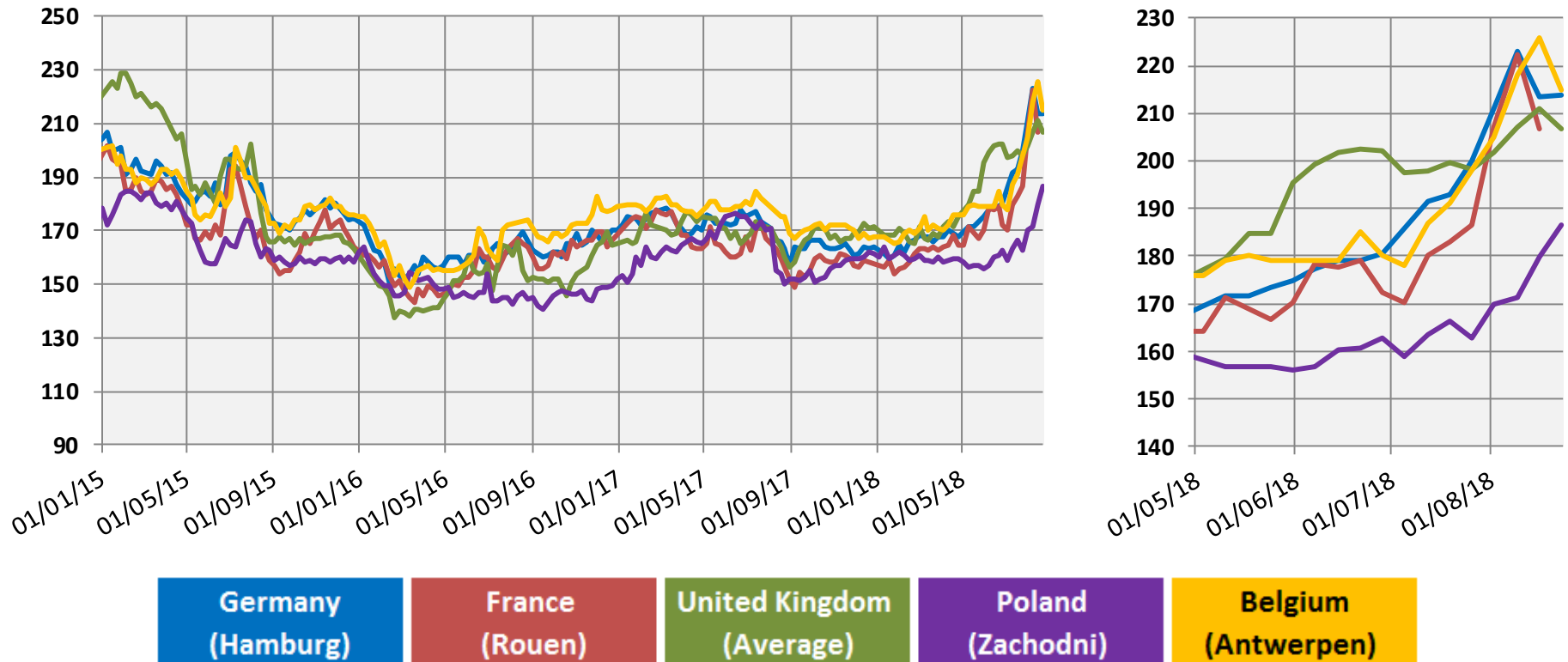
Source: Member States notification - Commission Implementing Regulation (EU) 2017/1185 Art.11, Annex I Point 1





# IMPACTS ON CERTAIN CROPS

## EU Market prices for milling wheat (€/tonne)



Source: Member States notification - Commission Implementing Regulation (EU) 2017/1185 Art.11, Annex I Point 1

# The CAP Strategic Plans at the center of A NEW GOVERNANCE



The EU will assess and approve the plans and monitor progress.



## Definition of the European framework (EU)

9 objectives, indicators to monitor implementation, types of possible measures (interventions)

## Development of a national CAP Strategic plan (MS)

Identification of needs, selection of tailored interventions and quantified objectives, responsibility for the implementation



## Implementation tailored to local realities (MS)

In order to improve the economic, social and environmental performance of farms

**Stability in national governance structures**  
(paying agencies, certifying bodies and systems in the management of agricultural plots)

## Annual and multiannual monitoring (MS, EU)

Annual report on the performance of the policy implementation





# PROCESS ENSURING HIGHER ENVIRONMENT - CLIMATE AMBITION

From compliance and rules towards results and performance

1. MS will prepare CAP Plans and carry out a SWOT analysis
2. MS will identify the national and regional specific needs in CAP Plans, taking into account environment/climate legislation and relating national instruments
3. **MS will tailor CAP interventions to their needs** with corresponding budget allocations and establish quantifiable targets and milestones, define most eligibility conditions at national level to make them appropriate for their specific circumstances
4. **MS will organise a partnership** including (a) relevant public authorities; (b) economic and social partners; (c) relevant bodies representing civil society
6. **Commission will assess and approve the CAP Plans**
7. MS and Commission will cooperate to **ensure effective implementation of CAP plans**
8. Commission closely **monitors the progress of the implementation** and assess the national performance reports including results, output and impact in the



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# ASSESSMENT OF NEEDS AND INTERVENTION STRATEGY

*To be carried out for **EACH** of the CAP specific objectives, i.e. **9 sub-chapters***

- Summary of the SWOT analysis
- Identification, prioritisation and ranking of needs
- Selection of the interventions, following a sound intervention logic
- Targets for each relevant common and, where relevant, specific result indicators and related milestones
- Allocation and justification of financial resources



# SECTORIAL TYPES OF INTERVENTIONS

- **Art. 42 - Objectives for the fruit & vegetable sector**
  - “*methods of production respectful to the environment...in particular protection of water*”
  - “*research and development of sustainable production methods, including pest resilience, **innovative practices boosting economic competitiveness and bolstering market developments***”
  - “*contribute to climate change mitigation and adaptation*”
- Similar objectives for wine, olive, hops, apiculture



# SECTORIAL TYPES OF INTERVENTIONS

- **Art. 43 - Interventions in the fruit and vegetables sector**
  - *“investments in tangible and non-tangible assets, in particular focused on **water saving**, energy saving, ecological packaging and waste reduction;”*
  - *“actions to improve use and management of water, including water saving and drainage;”*



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# THANK YOU!

Further information is available at:

- [https://ec.europa.eu/commission/publications/factsheets-long-term-budget-proposals\\_en](https://ec.europa.eu/commission/publications/factsheets-long-term-budget-proposals_en)
- [http://ec.europa.eu/budget/mff/index\\_en.cfm](http://ec.europa.eu/budget/mff/index_en.cfm)
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