

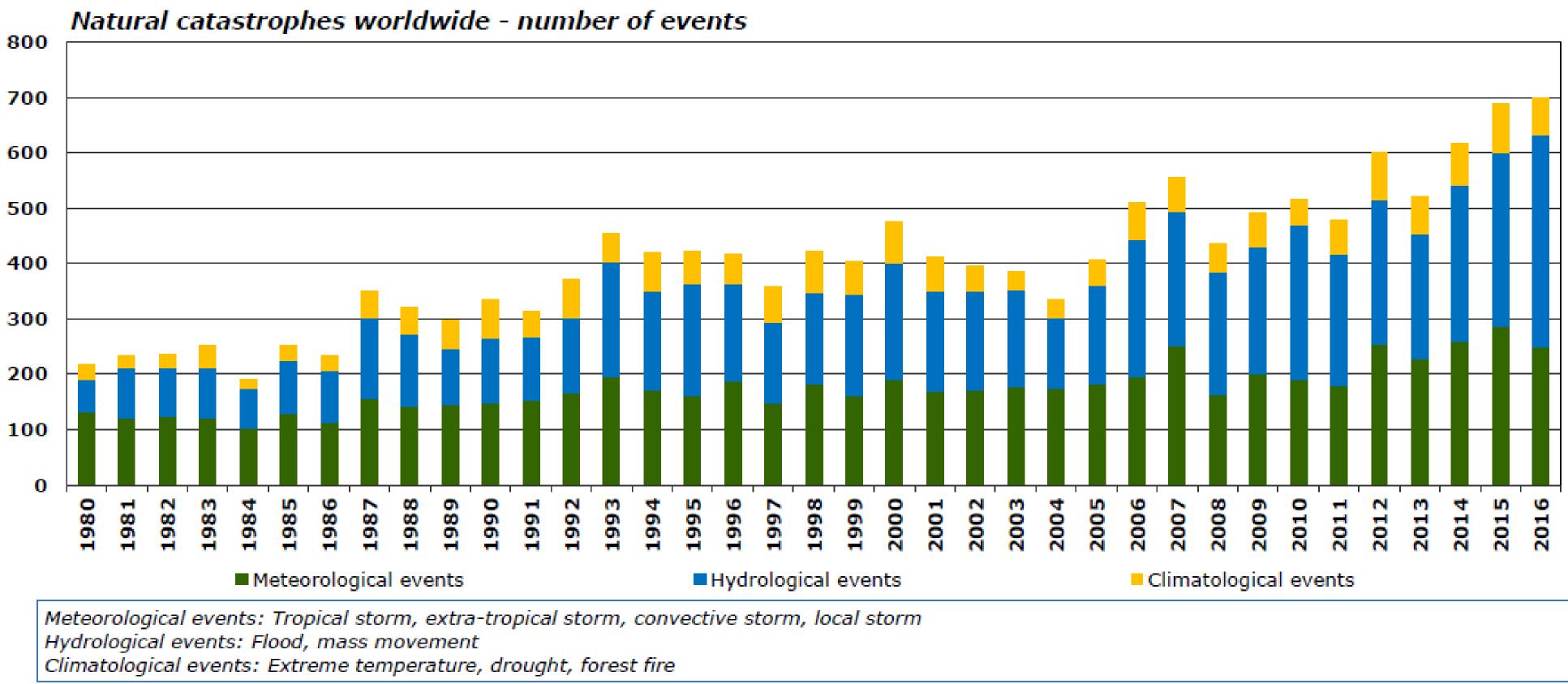
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The Challenge

Jack Nolan



WORLDWIDE EXTREME WEATHER EVENTS



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

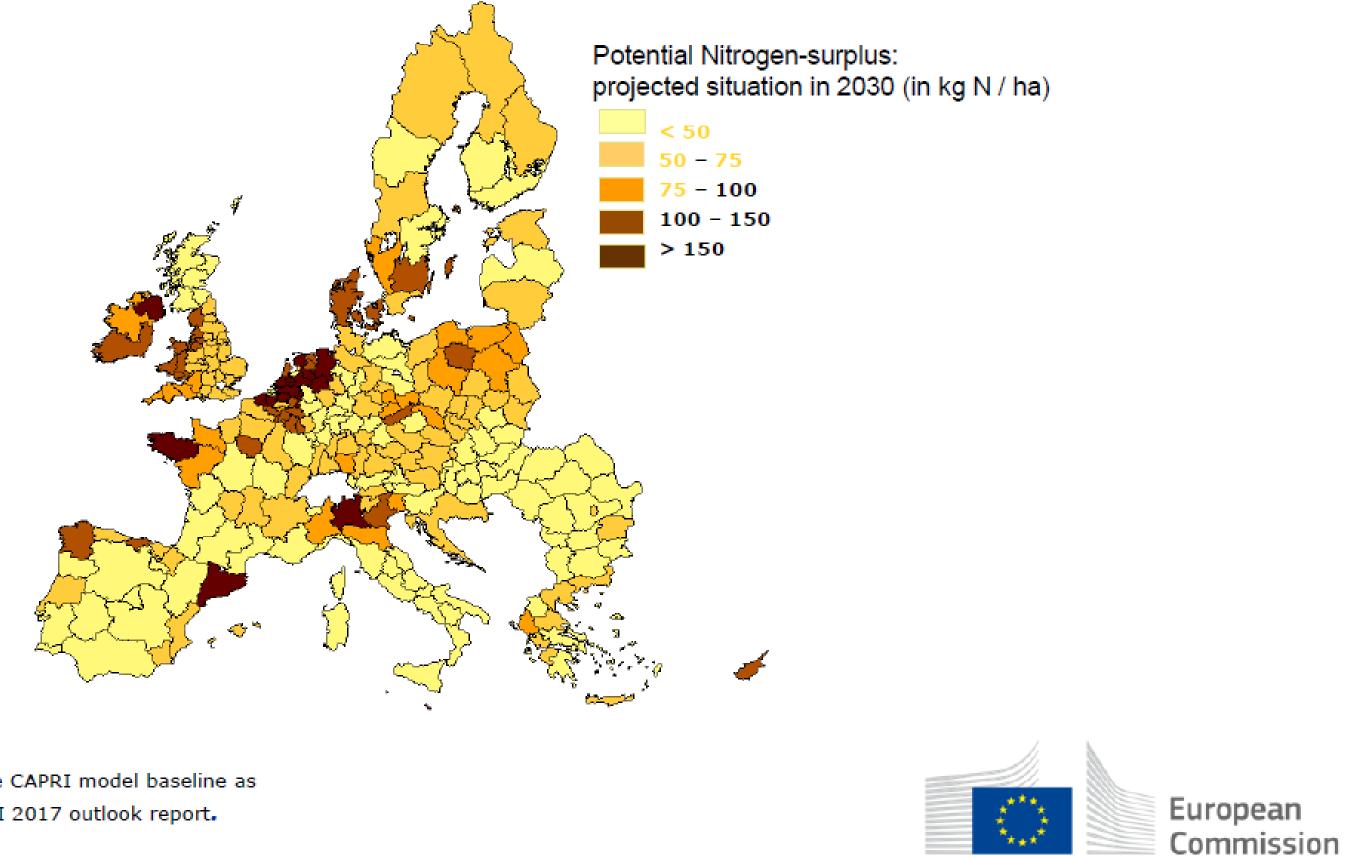
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Projected pressure on the environment due to potential nitrogen surplus in 2030: different impact across the EU

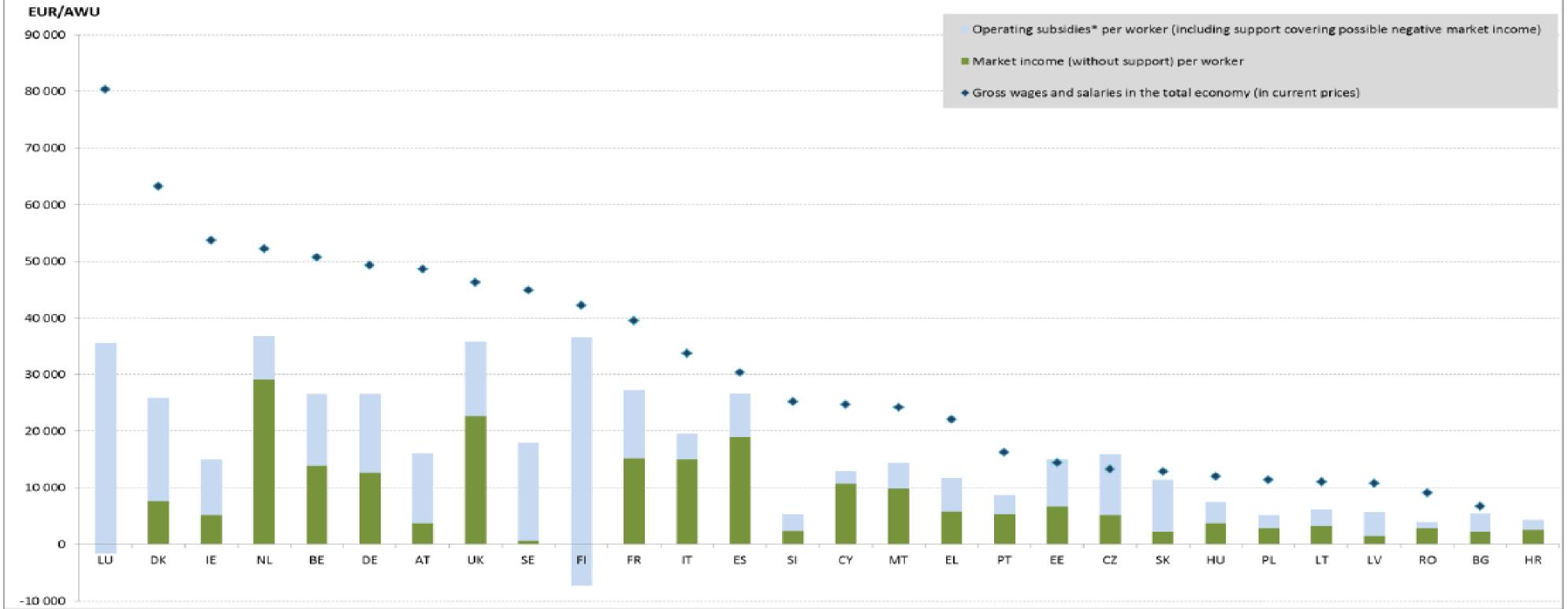


Source: JRC based on the CAPRI model baseline as presented in the DG AGRI 2017 outlook report.









NB: Income indicator=Entrepreneurial income plus compensation of employees by total annual work units. Source: EAA, ESTAT 2013-2015, EU FADN for number of hours worked

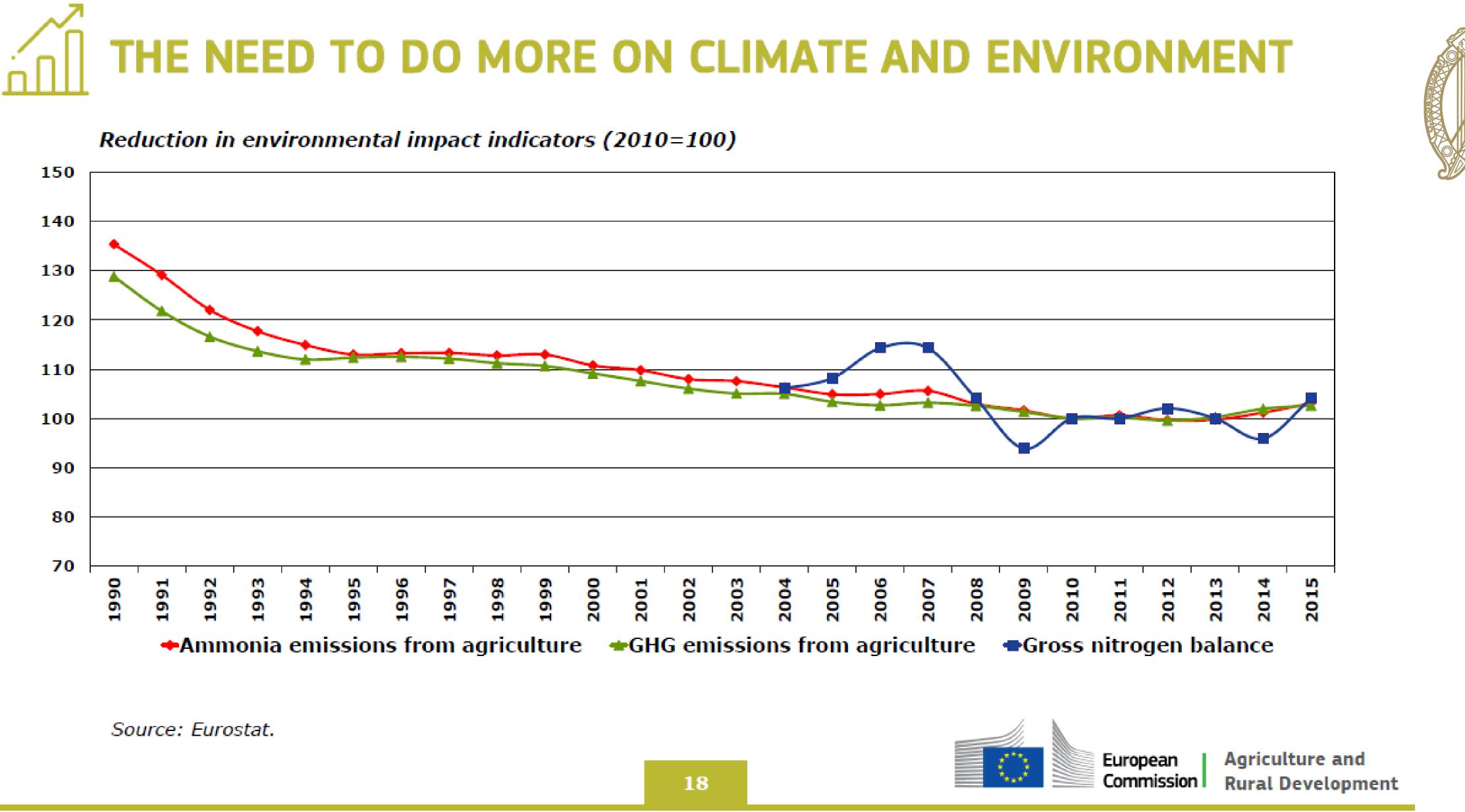
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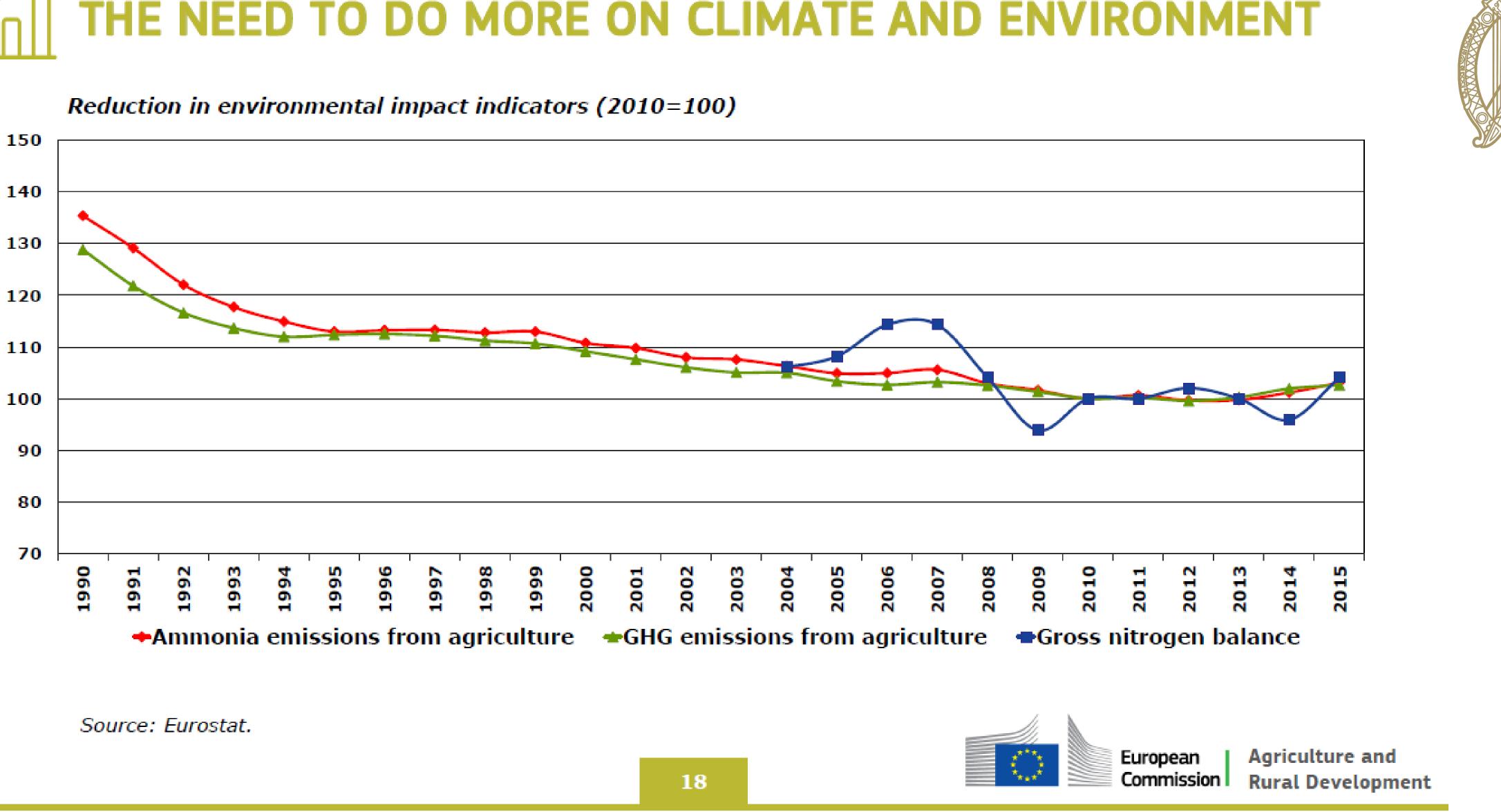


Farmers' income is still lagging behind salaries in the whole economy











State of the Environment

Environment and Health & Wellbeing

Recognition of the benefits of a good quality environment to health and wellbeing.



Accelerate mitigation actions to reduce greenhouse gas emissions and implement adaptation measures to increase our resilience in dealing with adverse climate impacts.



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Implement measures that achieve ongoing Integrate resource efficiency and environmental sustainability ideas and performance accounting improvements in the environmental status of water bodies from source to the sea. across all economic sectors.



Protect pristine and wild places that act as Inform, engage and support communities in the biodiversity hubs, contribute to health and wellbeing protection and improvement of the environment. and provide sustainable tourism opportunities.

Climate Change



Implementation of Legislation

Improve the tracking of plans and policies and the implementation and enforcement of environmental legislation to protect the environment.



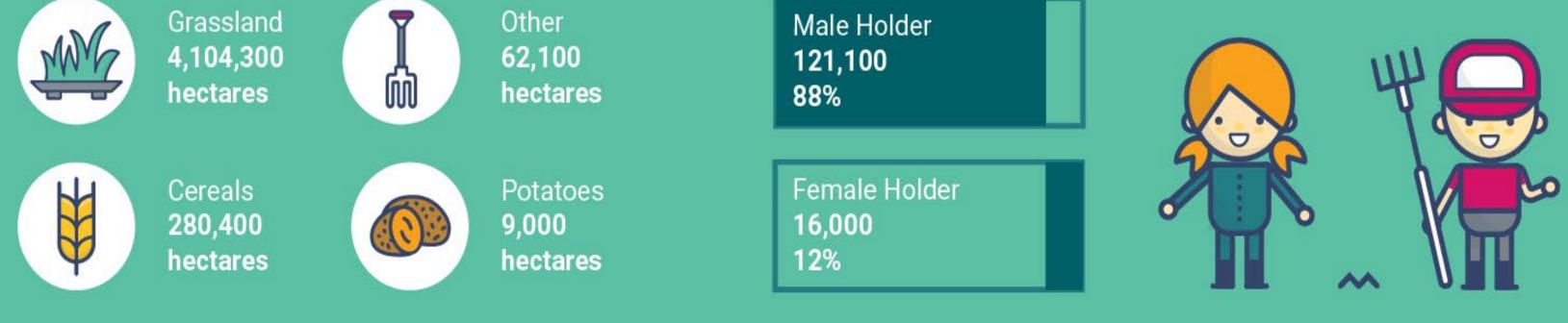






Structure of Farming in Ireland 2016





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Under 35 7,400 5%

65 and over 41,200 30%



Food Wise 2025

Strategic plan for development of agri-food sector

- 85% increase in exports to €19bn
- 65% increase in primary production value to €10bn
- Creation of 23,000 additional jobs along the supply \bullet chain

427 enabling actions

78 related to sustainability





Agriculture, Food and the Marine

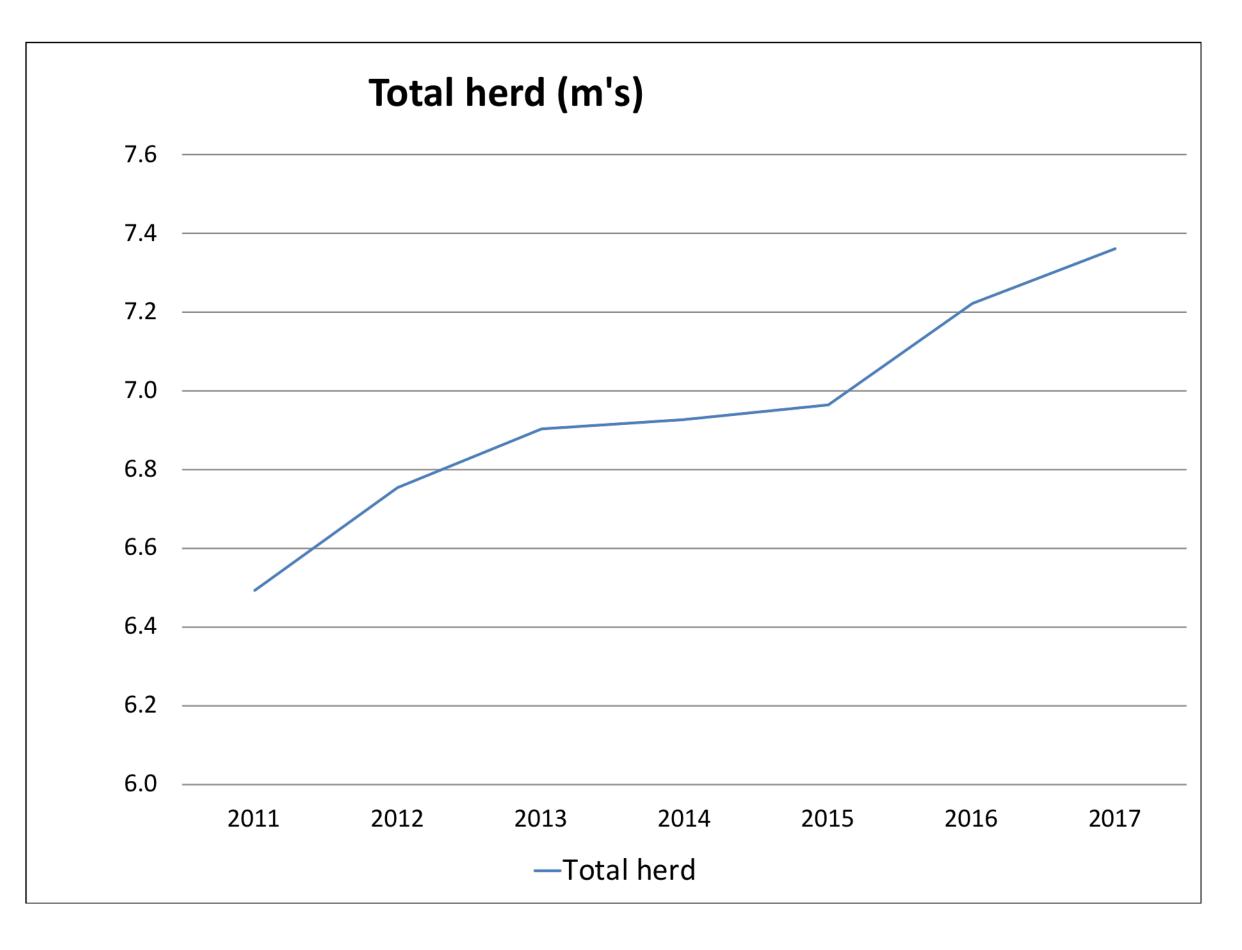
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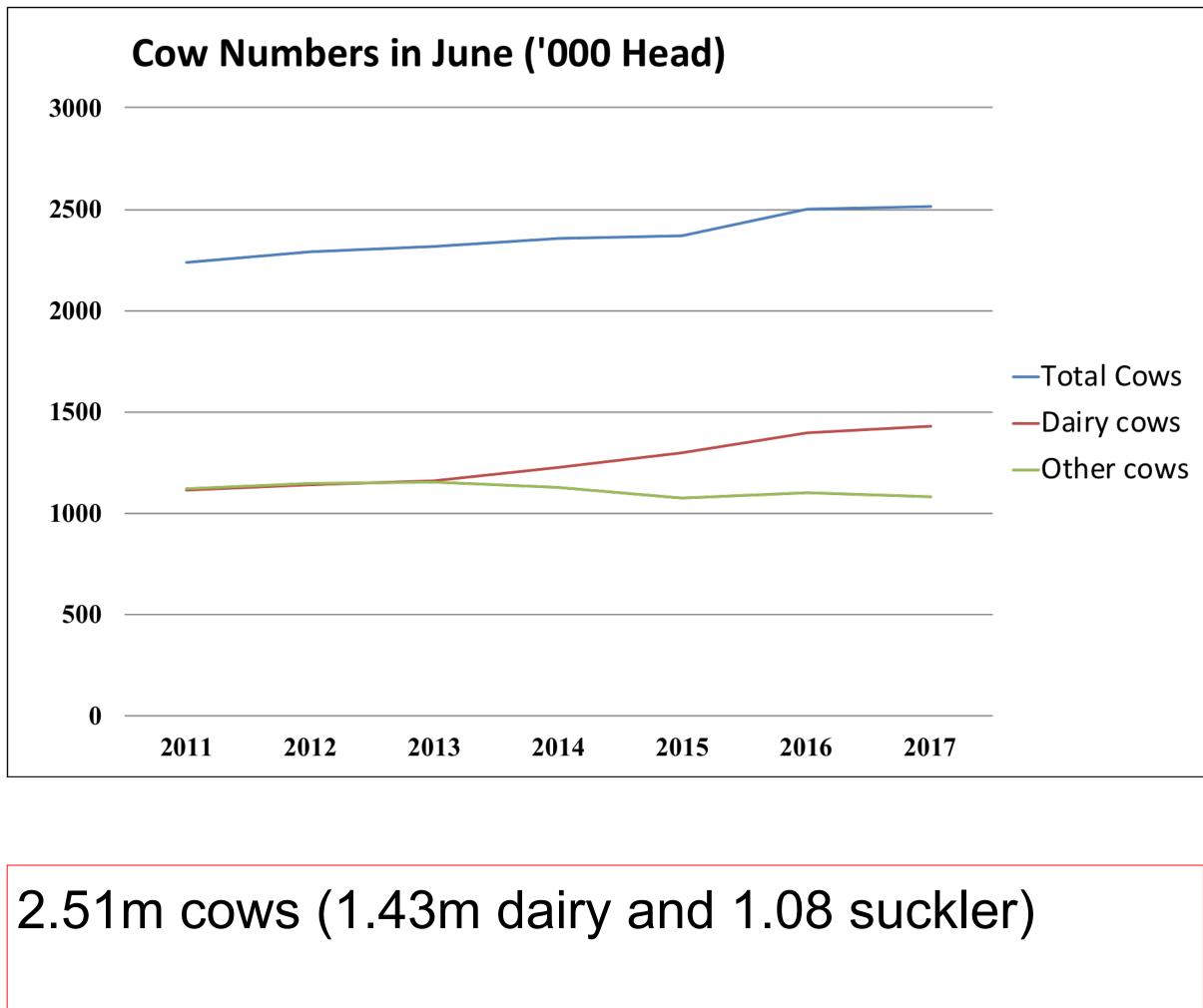
LOCAL ROOTS GLOBAL REACH Food Wise 2025 A 10-year vision for the Irish agri-food industry





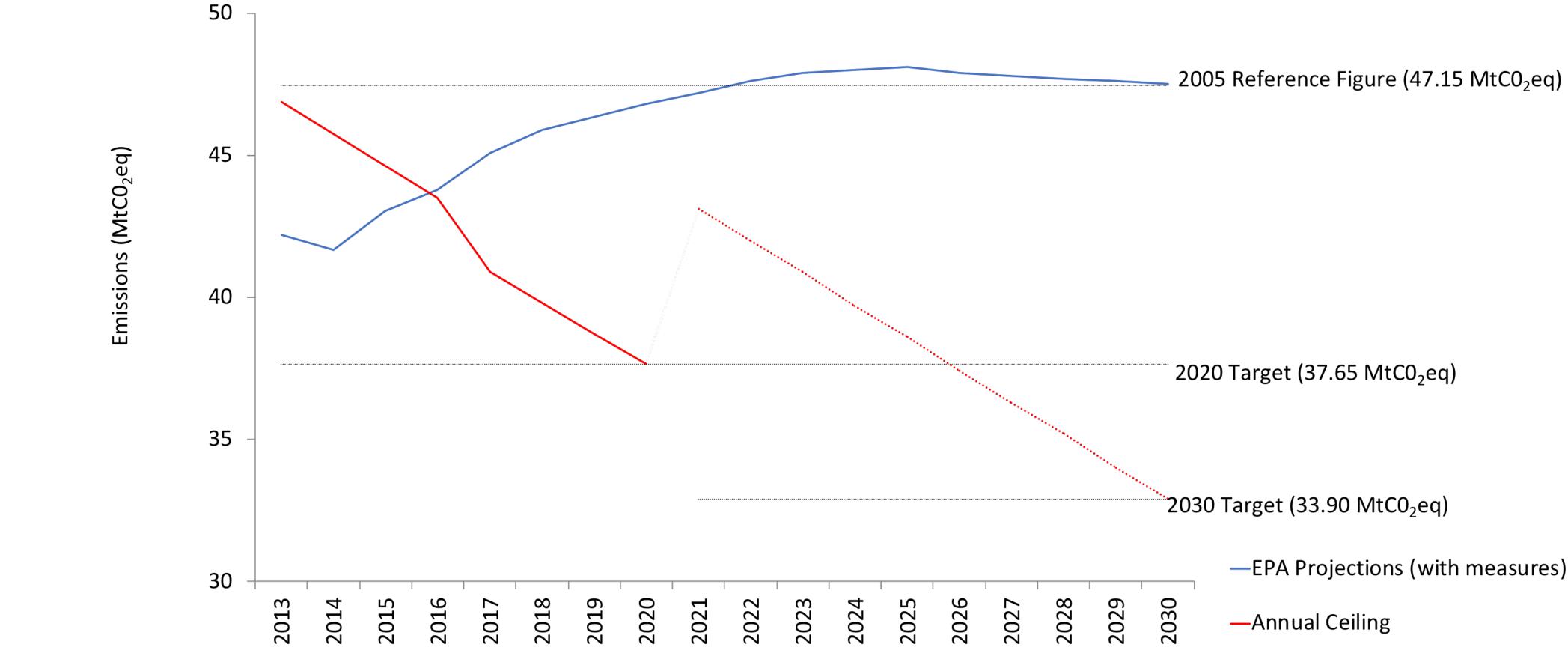
Livestock Numbers





Greenhouse gases (GHGs)

- Irish agriculture comprises 45% of non-ETS GHG with a low C footprint •
 - 8th in absolute emissions across the EU (ag.)
- GHG and ammonia emissions projected to increase by 2030 due to increased dairy cows and fertiliser • use





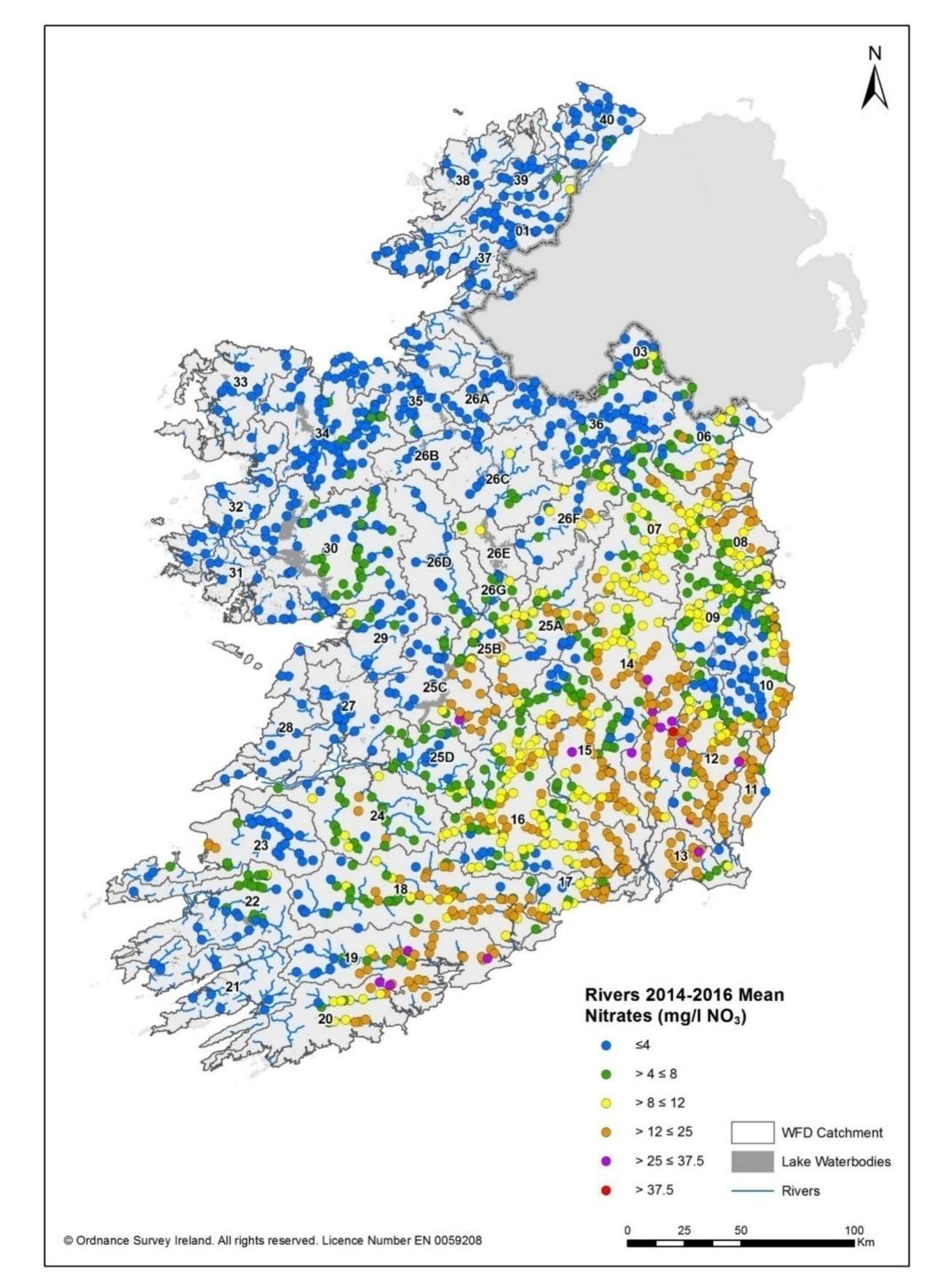


Nitrates and the WFD: Irish Context

River Basin Management Planning



Implement measures that achieve ongoing improvements in the environmental status of water bodies from source to the sea.





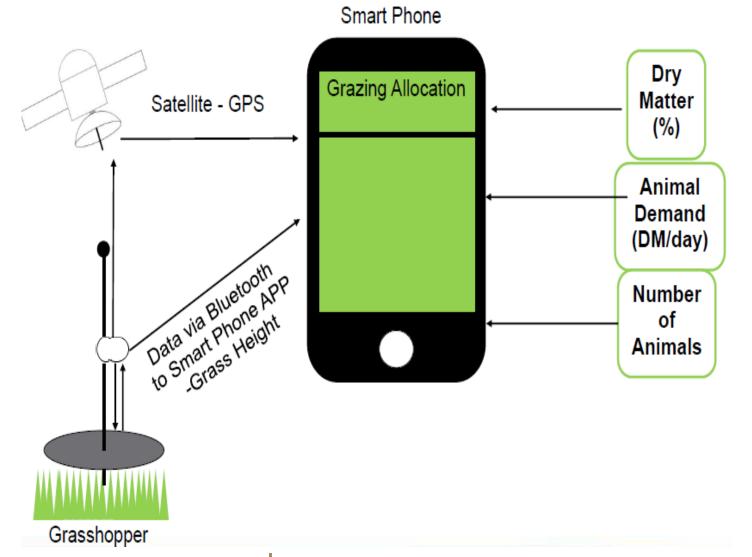




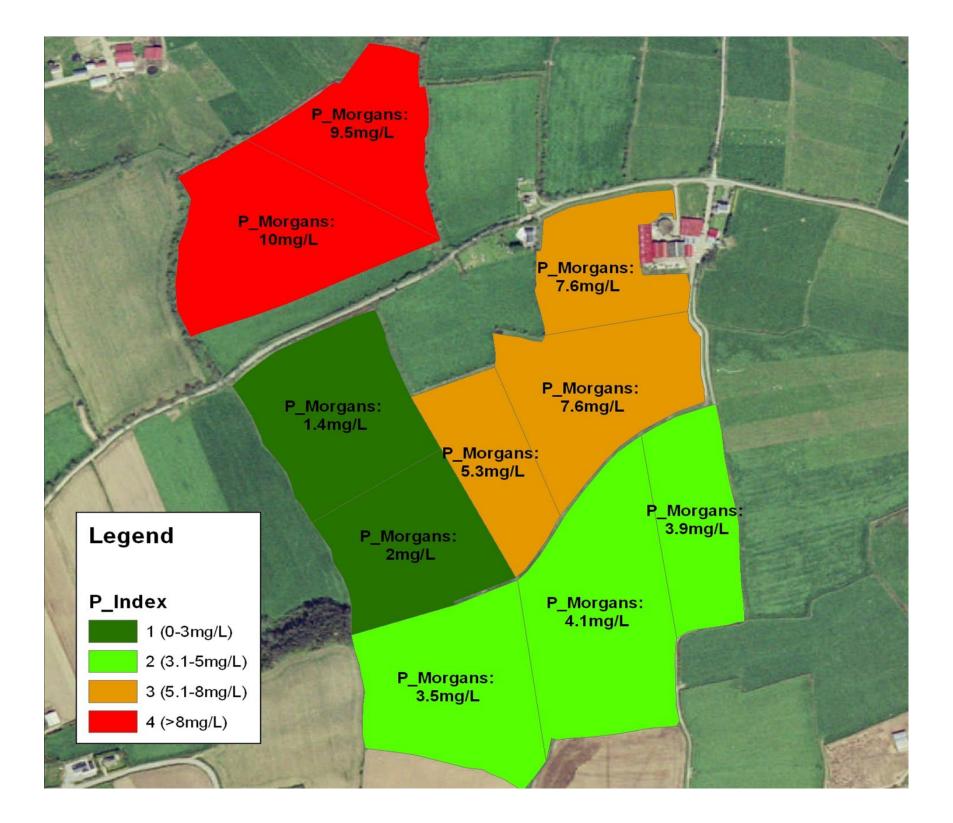


Farm management











Breeding programmes

Cattle breeding

Economic breeding index

Beef data genomics programme

Grass breeding (PPI)









Significant potential as a carbon sink

€482M of new investment

Annual afforestation target 8,000 ha

New grant rates Feb 2018

Forest-based biomass

- Gross demand to increase to 3.3 M m3 by 2020 on an all island basis

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Forestry



• Demand likely to increase beyond 2020 (EU renewable energy targets)

The challenge

- Animal numbers increasing
- Fertiliser use efficiency
- Greenhouse gases increasing
- Water quality not improving
- Effort sharing Regulation of the Climate and Energy Framework
 - Reduction of 30% below 2005 levels by 2030
- National Emissions Ceilings Directive

Balance needed between production and environment



• Reduction of 1% below 2005 levels by 2020 and 5% below 2005 levels by 2030 onwards



Environment and Health & Wellbeing

Recognition of the benefits of a good quality environment to nealth and wellbeing.

Conclusions

Progress essential

Fair action must be taken

Collaboration key

"Environmental sustainability and economic sustainability are equal and complementary – one

cannot be achieved at the expense of the other"













