

# Rheoli Tir yn Gynaliadwy

# Sustainable Land Management

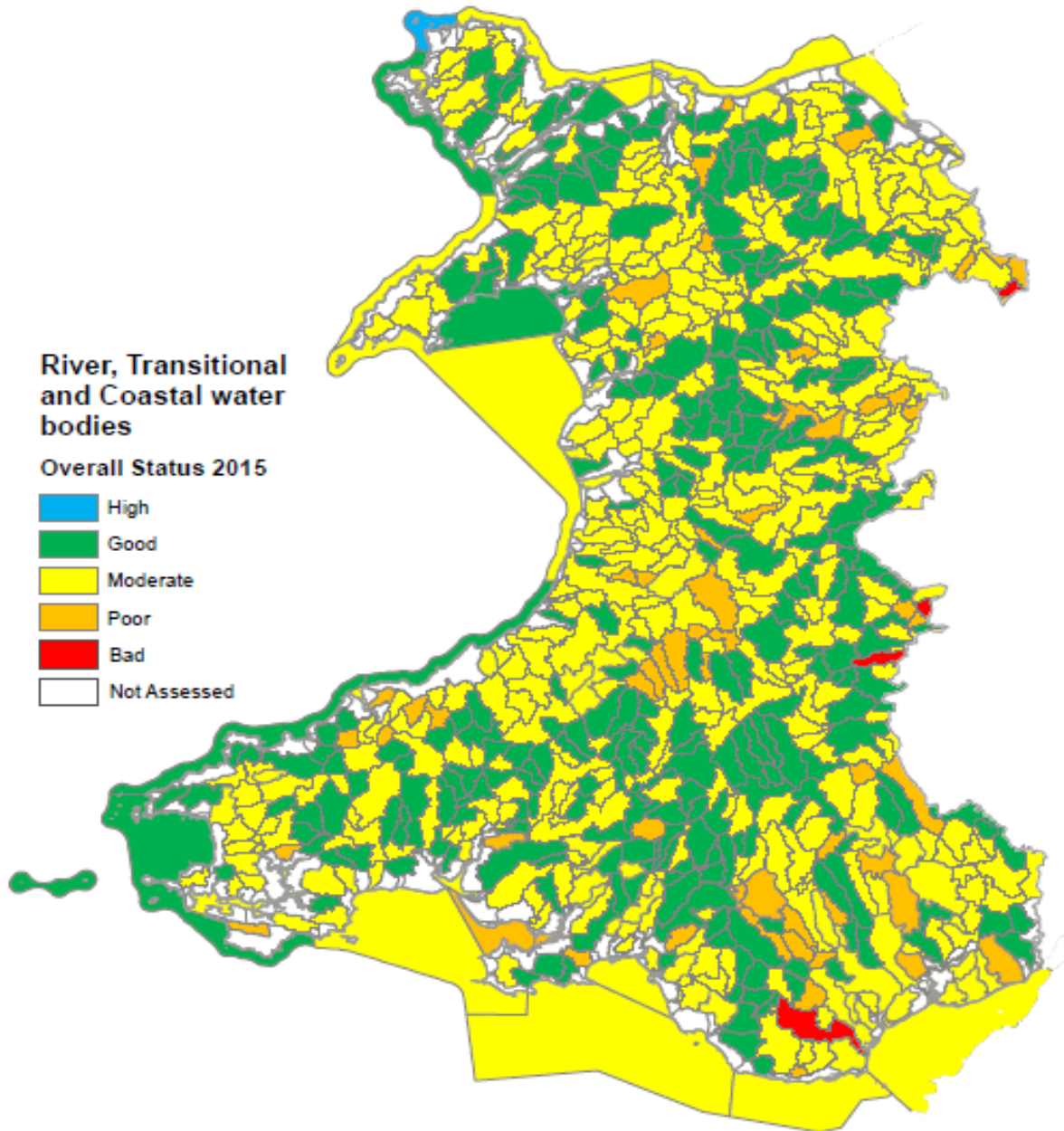
Bob Vaughan  
Manager Sustainable Land



# This Morning

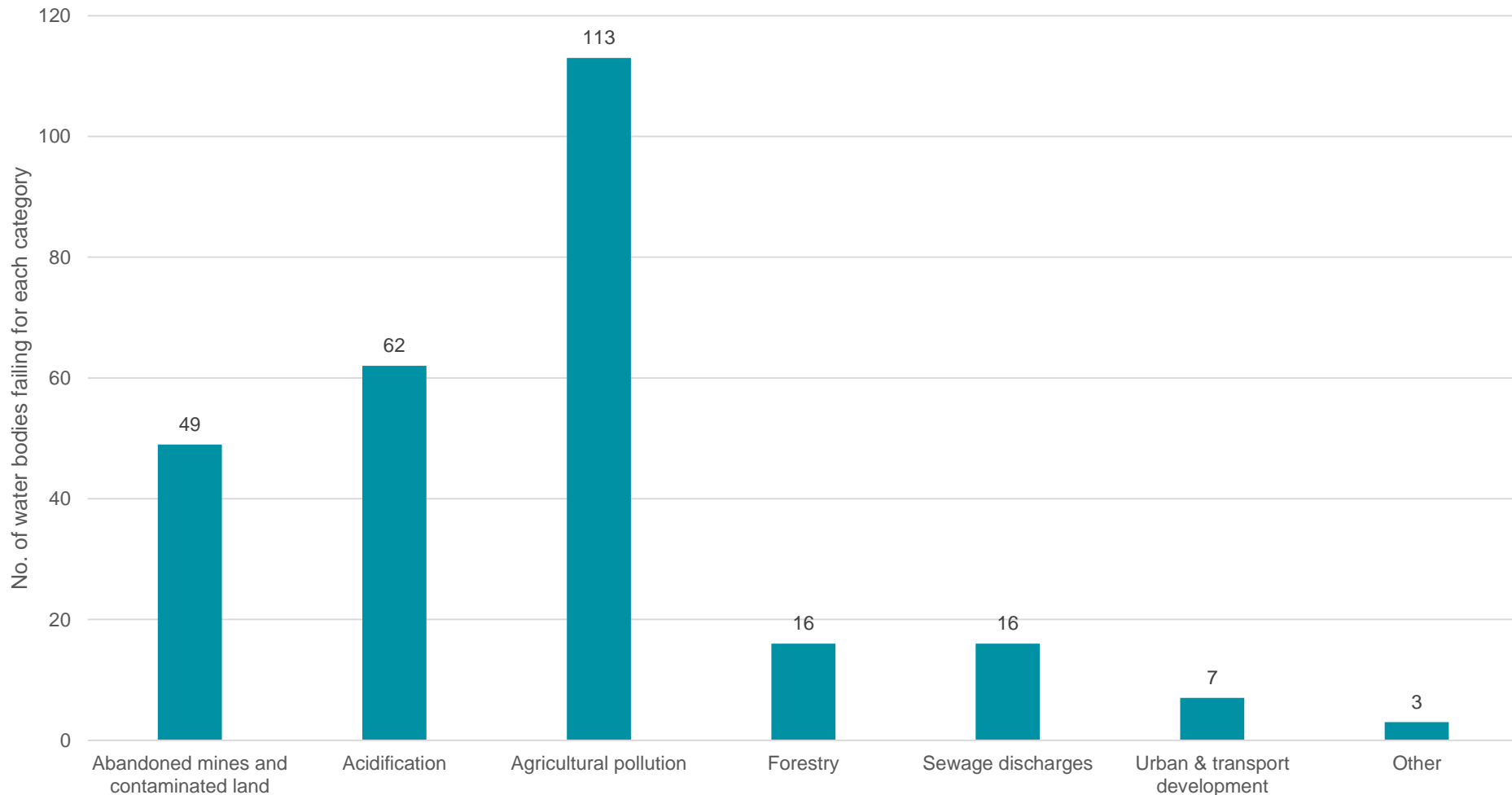
- **Spell out the Challenges**
- **How the threat of Brexit has also provided opportunities**
- **Look at the new legislation in Wales and how this helps**
  
- **What does the future look like.**

# WFD Status

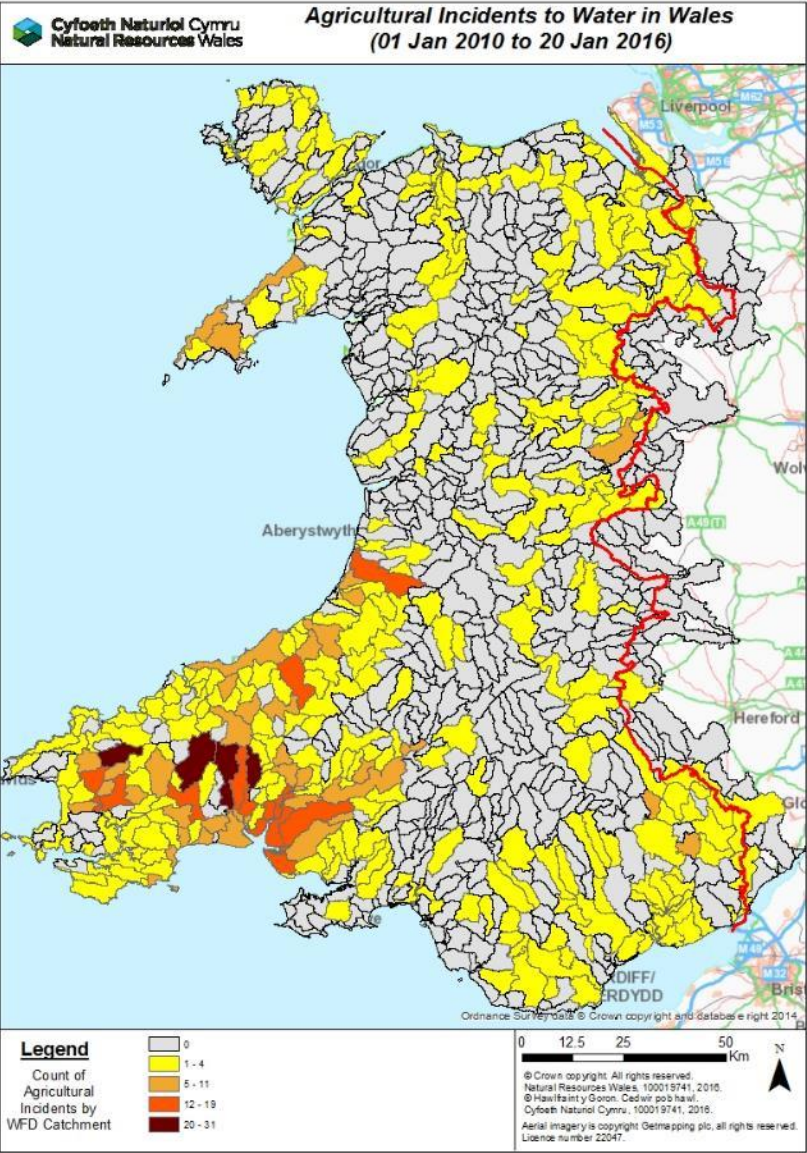


# WFD Failures - Diffuse Pollution

Wales' Summary of Water Bodies Failing due to Diffuse Pollution , November 2019



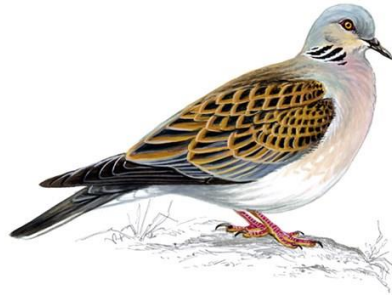
# Agricultural pollution/Llygredd Amaethyddol



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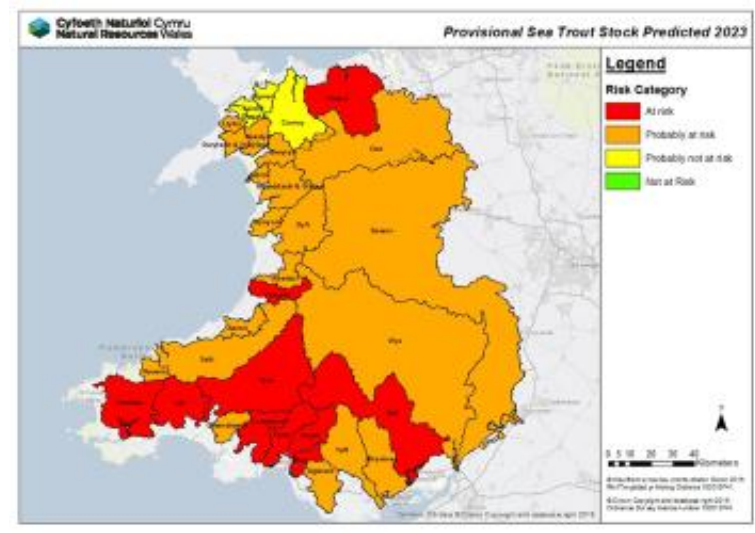
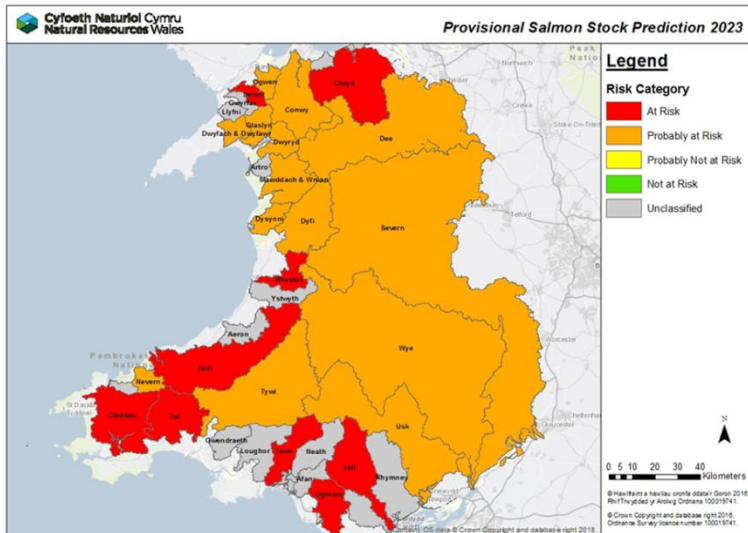
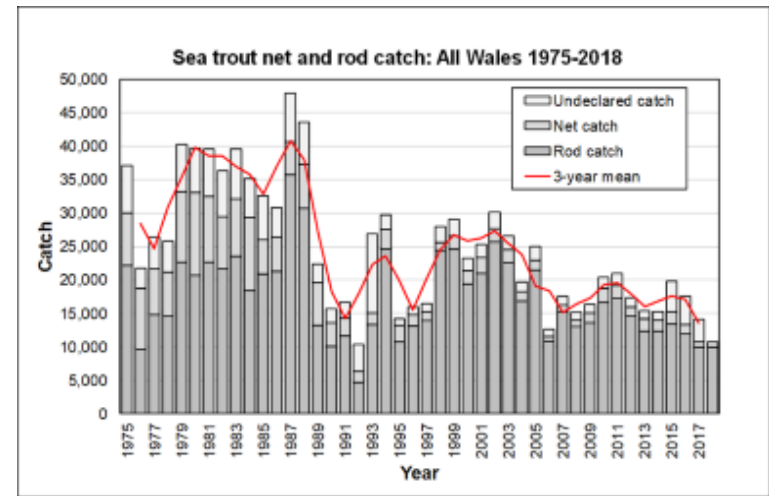
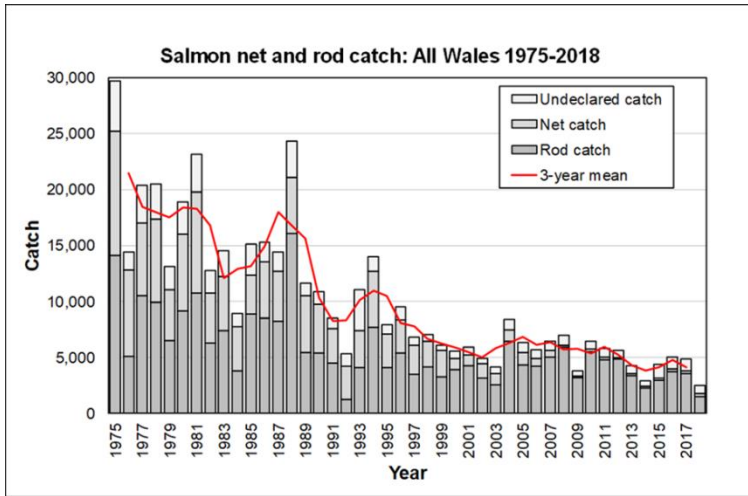
# Biodiversity Loss

- State of Nature Report Oct 2019
- 1 in 6 species at risk of extinction.



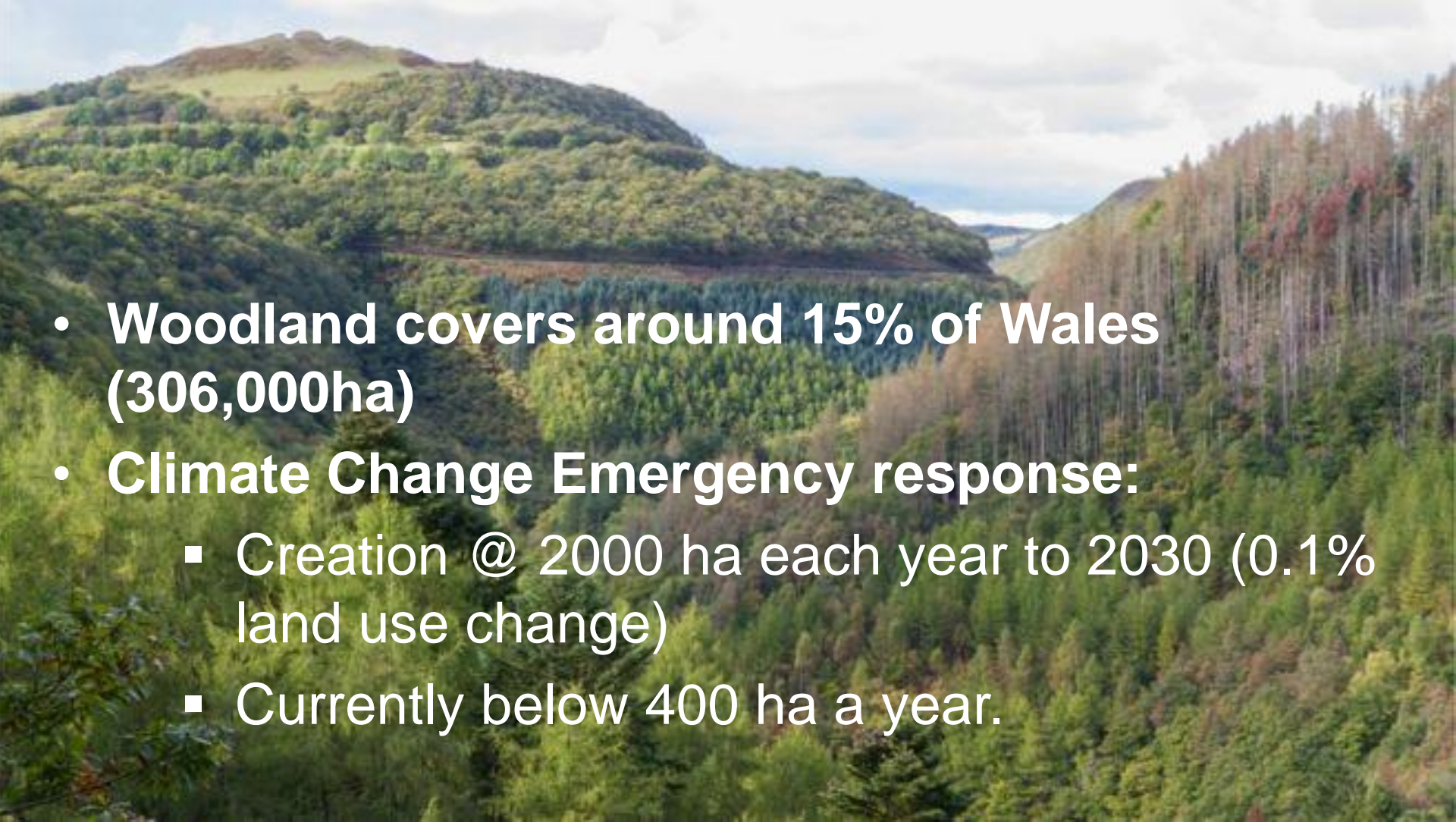
- Since the 1970's of 3902 species:
  - 73 lost
  - 666 species threatened with extinction.

# Fisheries Loss



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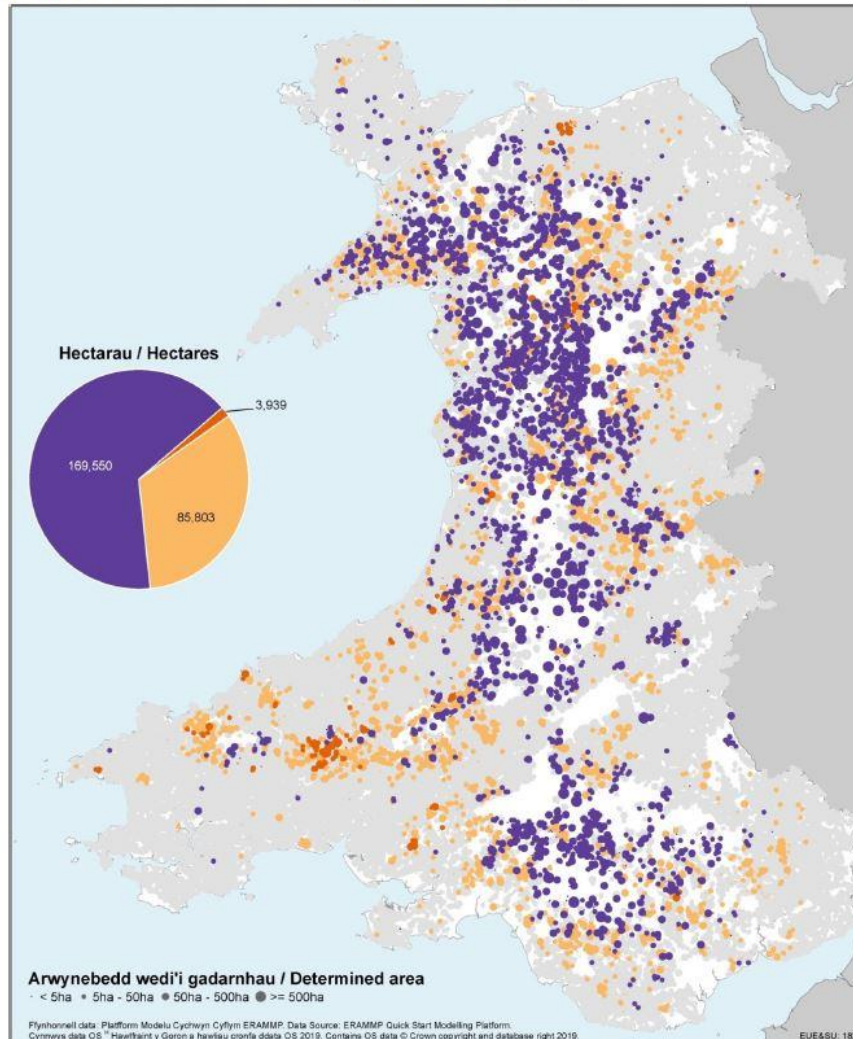
# Climate Change Emergency

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- Woodland covers around 15% of Wales (306,000ha)
  - Climate Change Emergency response:
    - Creation @ 2000 ha each year to 2030 (0.1% land use change)
    - Currently below 400 ha a year.



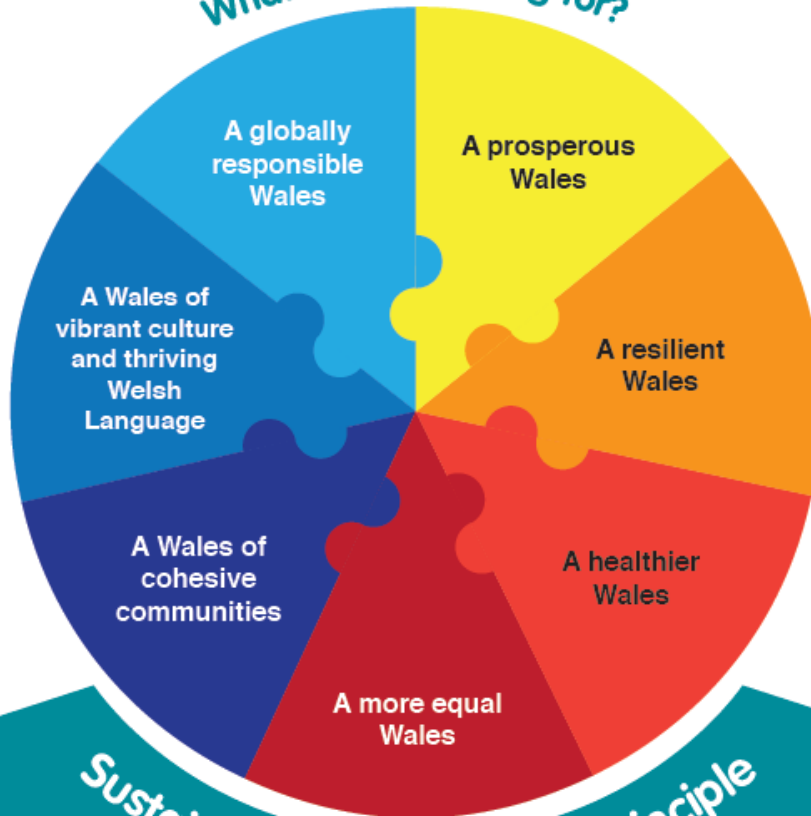
# Geographical Vulnerability Wales

## Multilateral Free Trade Agreements (FTA)



**Sheep**  
**Beef**  
**Dairy**  
**Woodland**  
**Abandonment**

**Well-being Goals**  
What we are aiming for?



**Sustainable Development Principle**  
How we will deliver



Long Term



Prevention



Integration



Collaboration



Involvement

# Well-Being of Future Generations (Wales) Act 2015

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# Sustainable Management of Natural Resources (SMNR)



## Environment (Wales) Act

NRW's general purpose - pursue the sustainable management of natural resources:

### NRW must

- Pursue sustainable management of natural resources in relation to Wales, and
- Apply the principles of sustainable management of natural resources in the exercise of its functions,

# The 9 Principles of SMNR

- **Manage adaptively, by planning, monitoring, reviewing and, where appropriate, changing action.**
- **Consider the appropriate spatial scale for action**
- **Promote and engage in collaboration and co-operation**
- **Make appropriate arrangements for public participation in decision-making**
- **Take account of all relevant evidence and gather evidence in respect of uncertainties**
- **Take account of the benefits and intrinsic value of natural resources and ecosystems**
- **Take account of the short, medium and long term consequences of actions;**
- **Take action to prevent significant damage to ecosystems;**
- **Take account of the resilience of ecosystems, in particular the following aspects**

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# Regulatory Principles

- **Deliver outcomes**
- **Be intelligent**
- **Prepared to challenge**
- **Use the full range of tools available**
- **Be flexible**
- **Bring the right skills / expertise together**
- **Be efficient and effective**
- **Be clear on what we do and why**

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# Setting Regulatory Principles in the context of SMNR

- Regulation is more than the application of the law;
- Formal regulation (underpinned by the law) can contribute to delivery of sustainable management of natural resources and well-being, but the pressures on our natural environment show this is not the whole solution;
- The solution is about doing something – intervening and regulating actions and behaviours, and means doing things and looking at problems differently;
- We need to understand the impact of our behaviours, as well as understanding the behaviours of others; and
- We need to recognise our limitations and constraints, and value the benefit of collaboration to deliver the wider objectives for Wales – it's not just about looking at what we, NRW, can do – it is what we, Wales, can do

# NRW's Favoured Approach

- Voluntary actions,



- Advice, guidance, knowledge, skills & experience development.



- Innovation



- Regulation



- Investment



# This Morning

- **Spell out the Challenges**
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