

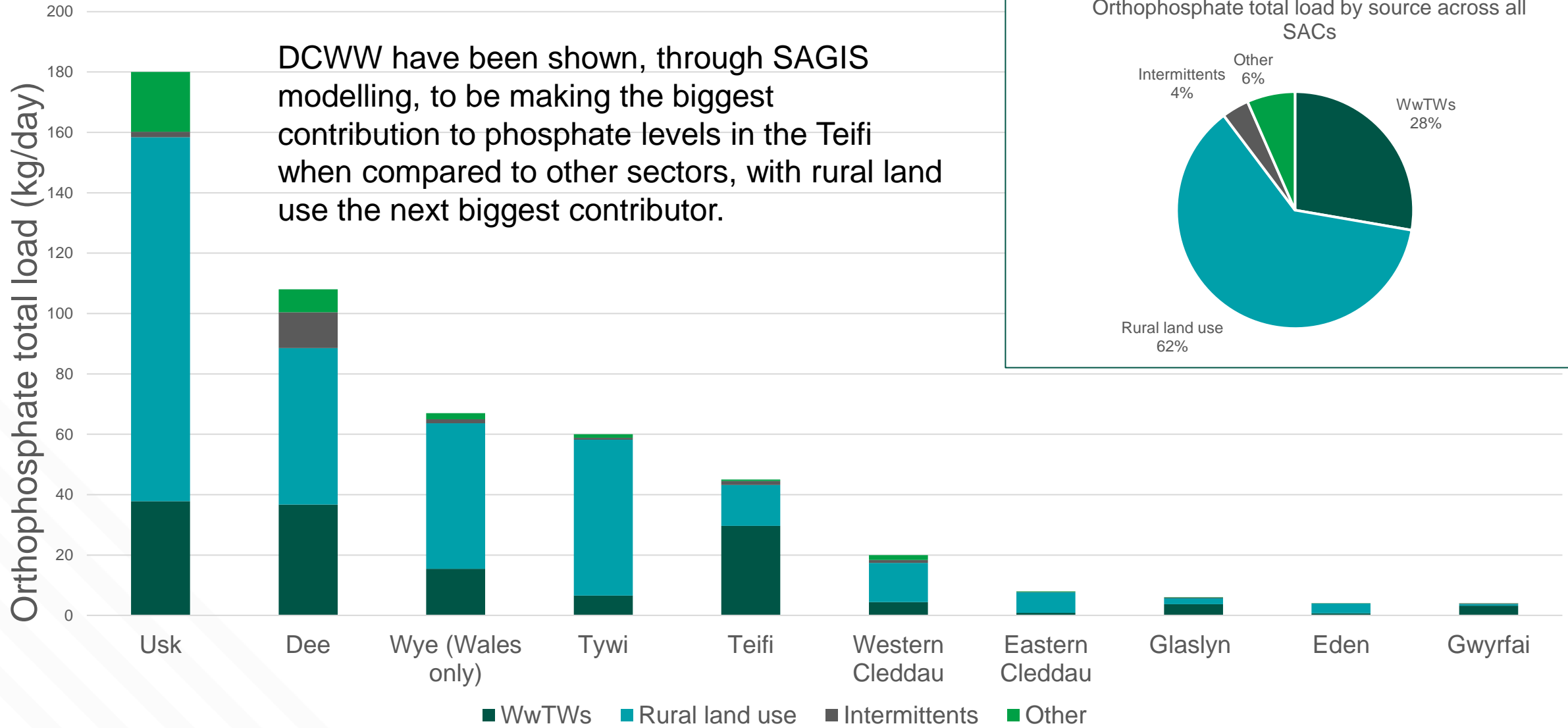


**Cyfoeth
Naturiol**
Cymru
**Natural
Resources**
Wales

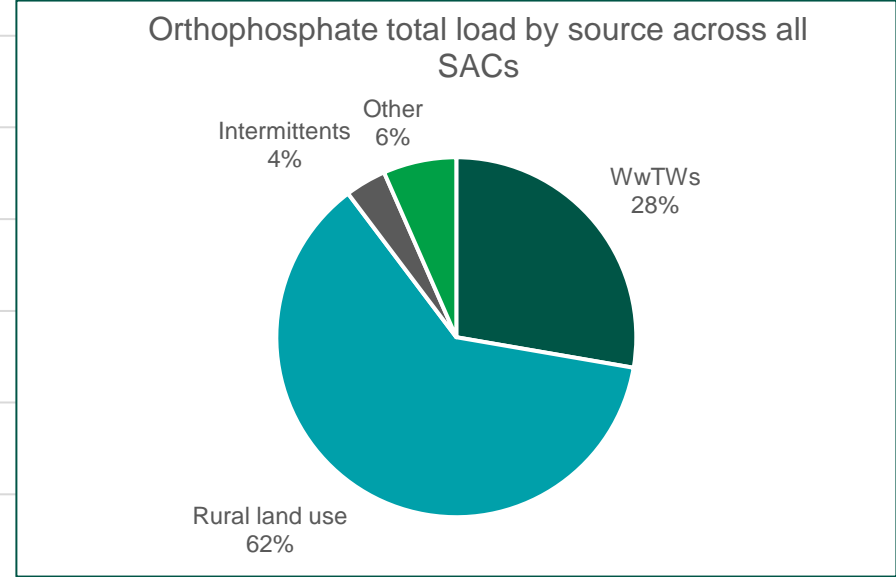


Water Quality Demonstrator - Why the Teifi?
Chris Collins, Head of Knowledge & Evidence










SAC Rivers Orthophosphate Total Daily Load by source – SAGIS 2023



DCWW have been shown, through SAGIS modelling, to be making the biggest contribution to phosphate levels in the Teifi when compared to other sectors, with rural land use the next biggest contributor.



What are the principles?

Principles of sustainable management of natural resources		
	Adaptive management	manage adaptively by planning, monitoring, reviewing and where appropriate, changing action
	Scale	consider the appropriate spatial scale for action
	Collaboration and engagement	promote and engage in collaboration and cooperation
	Public Participation	make appropriate arrangements for public participation in decision-making
	Evidence	take account of all relevant evidence, and gather evidence in respect of uncertainties
	Multiple benefits	take account of the benefits and intrinsic value of natural resources and ecosystems
	Long term	take account of the short, medium and long term consequences of actions
	Preventative action	take action to prevent significant damage to ecosystems
	Building resilience	take account of the resilience of ecosystems, in particular the following aspects: (i) diversity between and within ecosystems; (ii) the connections between and within ecosystems; (iii) the scale of ecosystems; (iv) the condition of ecosystems (including their structure and functioning); (v) the adaptability of ecosystems

The Teifi is an opportunity catchment

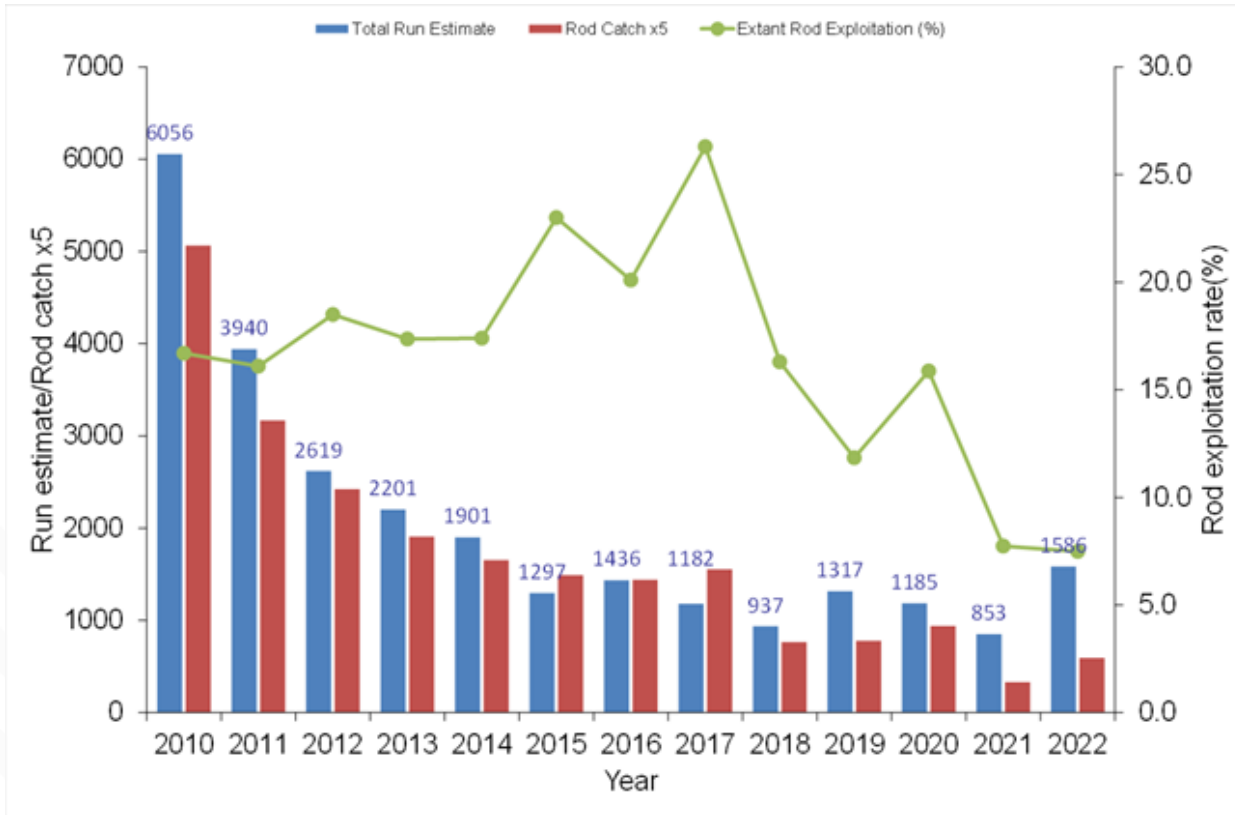


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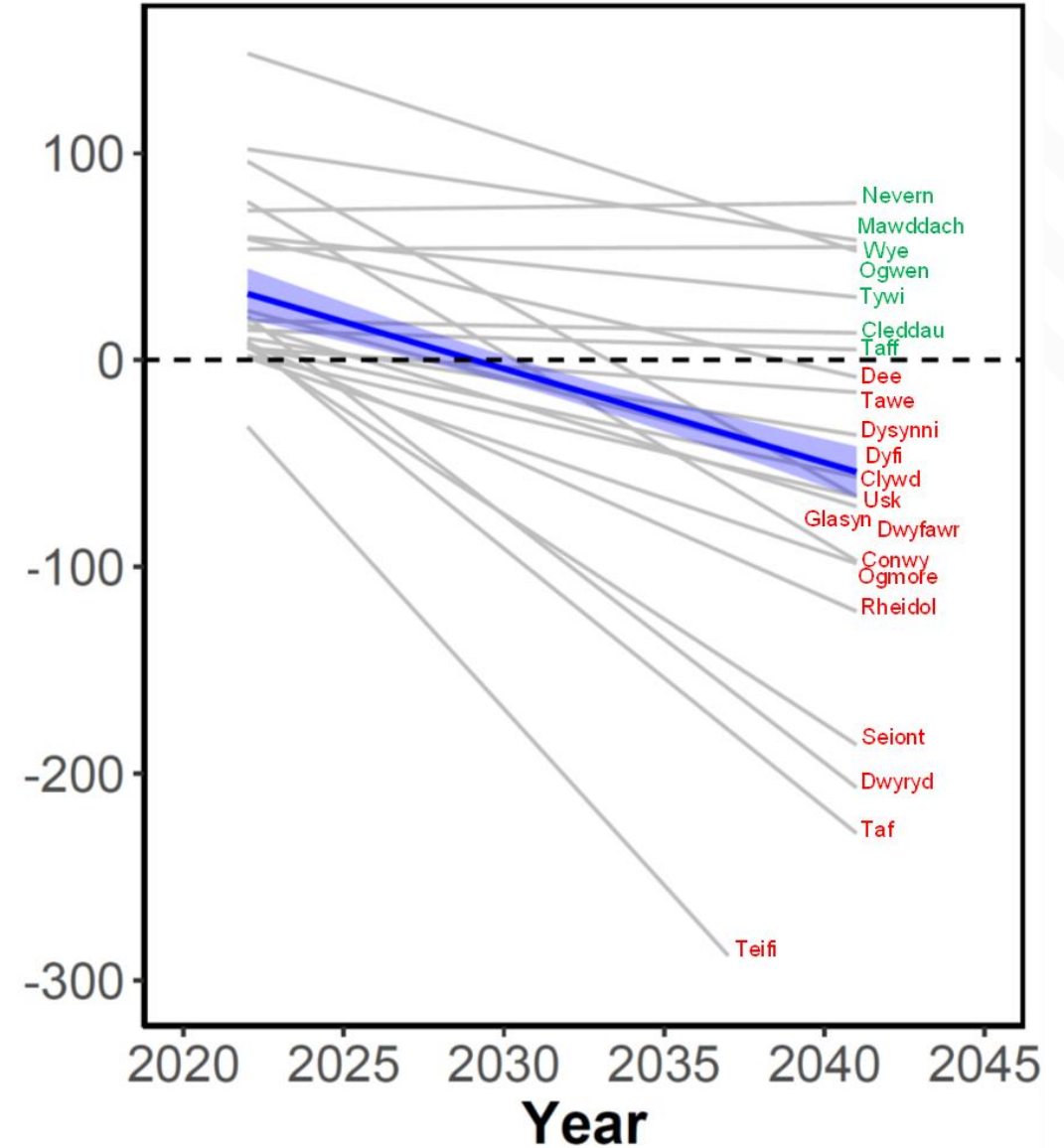
Opportunity Catchments selected represented the best suite of opportunities for addressing:

- Water Framework Directive (WFD) objectives
 - prevent deterioration and enhance status of aquatic ecosystems, including groundwater
 - promote sustainable water use
 - reduce pollution
 - contribute to the mitigation of floods and droughts
- Focus staff resource across NRW functions to support partners to deliver integrated catchment management solutions.

Trends and predictions



Forecasted % CL



Existing partnerships

The Nutrient Management Board (NMB)



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Four Rivers for LIFE

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- 2. Why are rivers important?
- 3. What are the pressures facing rivers?
- 4. Our work with communities
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- 7. Funding



The project is led by Natural Resources Wales in partnership with the **Brecon Beacons National Park Authority**, **River Restoration Centre**, **Agricultural Research Centre Coleg Sir Gâr** and **Woodland Trust**.

