

Overcoming barriers of acceptance & take-up

– developing the DTC-CSF Link

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for farmers**
CATCHMENT SENSITIVE FARMING



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Funding is from the
European Agricultural
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CSF experience

What do CSF Officers tell us?

- 70% indicate a lack (or suitable form) of evidence is a barrier to farmer engagement
- Most indicate a need for more specific evidence – if available, they lack the time to obtain, analyse and summarise it
- Most rate their use of evidence as successful - farmers generally respond positively if evidence is accurate and specific
- Presentation is as important as the evidence itself (e.g. use of simple summary graphs & maps)



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CSF experience

What do farmers tell us?

- 65% feel agriculture contributes 'little' or 'not at all' to water pollution in their catchment (2007 baseline - 85%; CSF-engaged – 59%)
- 98% feel their own farm contributes 'little' or 'not at all'
- 75% are not considering making changes to their farm or farming practices to reduce water pollution (CSF-engaged – 56%)
- Of those that are, 64% don't expect to see benefits (CSF-engaged – 34%)
- 73% don't feel they can do more to reduce water pollution (CSF-engaged – 51%)
- 70% don't see any obstacles preventing further change, but of those that do, 77% cite financial constraints



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CSF experience

What have we done about this → The CSF Evidence Prospectus:

The collage features several key documents:

- Catchment Evidence Tool v1.1**: Overview of the CSF Catch by Natural England, the CSF Catch by Natural England, and the CSF Catch by Natural England.
- CGS Case Studies v1.0**: By monitoring before the impacts of CSF, the CSF Catch by Natural England can identify areas where CSF is most likely to have an impact.
- Regression Manager (RegMan) v1.0**: RegMan (Regression Manager) is an Access database designed to allow easy running of regression models developed by CSF Evidence. The database uses a simple interface and allows results to be exported in a number of formats. RegMan allows you to predict water quality nationally for 5 determinands: Orthophosphate, Total phosphorus, Total oxidised nitrogen, Ammonia as nitrogen, and Suspended solids.
- Farmer Participatory monitoring v1.0**: The Farmer participatory monitoring scheme is a CSF catchment. The monitoring scheme is running regional CSF catchments.
- Farmer Awareness Presentation v1.0**: The Farmer Awareness Presentation is the latest survey for Project 8 (includes) Partnerships. The survey is available for download.
- Water Quality Evidence tool v8.0**: The WQ evidence tool provides users with the chemical and flow data collected for the CSF enhanced monitoring programme. The CSF enhanced monitoring programme, developed with Arable the tool is designed to use and updated on an annual basis. The tool holds data from 1st annual data. The tool holds data from 1st annual data. The tool holds data from 1st annual data.
- DWPA Evidence Review Case Studies v1.0**: The DWPA evidence review of their documents. The approach case evidence in a non farm diffuse water pollution from ag.
- Protected Area Briefings v1.0**: There are many sites across that have been afforded national status and details of the enhanced monitoring of the water quality and how it is used in catchment assessment. The briefings cover the following: bathing water, shellfish water, freshwater fish, surface water drink, groundwater drink, habitat directive, and WFD and good eco.
- National Environment Programme v1.0**: The National Environment Programme (NEP) is provided in this social / GIS tool giving officers information on water company improvement schemes in priority catchments. The schemes included in this tool were agreed through the 2007 periods review (PRO), the next round of improvement schemes will be discussed and agreed in 2014 (PI14). Using the GIS layer and excel files, officers will be able to demonstrate that the water industry is also playing their part in tackling water pollution. The briefing holds information on each of the 545 schemes including:
 - Which protected areas or legislation is driving the improvements
 - The current and proposed changes to the sewage discharge consents
 - The environmental outcomes from implementing the scheme
 - Expected completion date



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CSF experience

What have we done about this?...The CSF Evidence Prospectus:

We hope DTC expertise and insight can further support us with this.....



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CSFO/DTC link project

- CSF Officers are an important audience for DTC output – research/platform/expert consortium so we.....
- Ran a series of facilitated workshops to gather evidence ‘asks’ in the widest sense
- 31 CSFOs contributed from around the country



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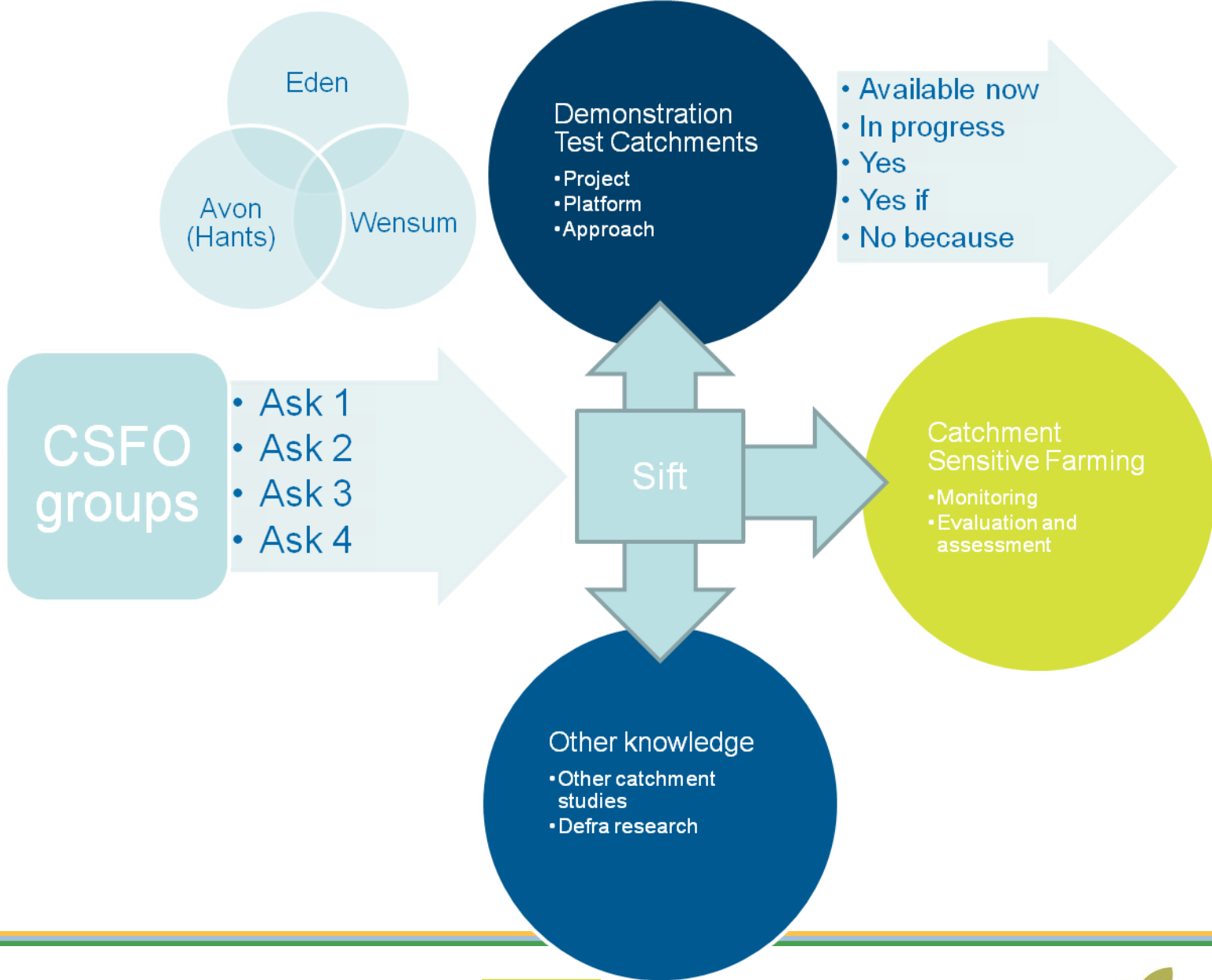
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CSFO 'ask' result categories

- Assessing DWPA risks
- Measures to mitigate risks
- Social science (farmer behaviour)
- Research format and sharing
- Training/ data/ access issues



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Research summary

- CSFOs feel overloaded by the information available but think work on synthesis/ key messages is lacking
- Simple short case studies/fact sheets work best
- Measures performance/ cost/ maintenance gaps
- Some fundamental research gaps e.g. FIO fate and behaviour or predicting farmer response ‘categories’.



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Taking the work forward

- Develop specific set of products to fill gaps
- Synthesising and presenting best current knowledge is key
- Explore specific KE projects and new research with Defra/DTC and others



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