



WG Tasks: HMWB identification and designation

- What methods and criteria have you used to identify provisional HMWB?

Range of Uses

- Direct – Flood defence, Navigation, Ports, HEP etc
- Indirect – Land Use, Forestry, Agriculture, Population density

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Range of techniques

- Maps/GIS
- Hydromorphological data/techniques
- Biological data/evidence
- Expert Knowledge



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Range of impacts

- Physical modification
- Morphological
- Hydrological
- Biological

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Wide ranging criteria, for example:

- > 50% water body modification – Scotland
- > 70 water body modification – Germany
- Major ports (EIA, 13 500T) – Ireland
- 60% Flow reduction - Norway



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Variations in extent (approx):

- 1% - Ireland
- 8% - Portugal
- 10% - Scotland
- 30% - Germany
- > 50% - England & Wales
- 60% AWB – Netherlands
- Regional variations within MS's

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Issues identified

- Variations in “At risk” & pHMWB
- Hydro – Morphological – Biological assessment & impact
- Role of small modifications (e.g. HEP, Ports)
- Role of natural impacts
- Consideration of HMWB designation tests (4.3a&b)
- Role of sediment management/impacts
- Role of small water bodies

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- What work do you plan to undertake and what criteria do you plan to use to confirm the designation of HMWB?

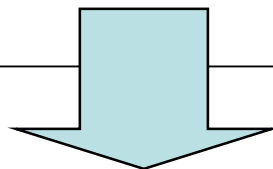
3 areas investigated

- Validation of assumptions/assessments
- Assessment of restoration options
- Economic tools/assessments

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Validation of assumptions/assessments

- Database – GIS – Remote sensing data development
- Field data
 - Hydromorphological assessment
 - Biological data collection
 - Data available from stakeholders



Inconsistencies in Characterisation (phase 1)



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Assessment of restoration options

- Simple guidance developed
- Good practice available
- Further development required
- Clarification of hydro – morphological – biological improvements
- Simple lists of measures that do/not work

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Economic tools/assessments

- UK economics tools under development
- EU cost effectiveness programme underway
- Guidance/Further development required across Europe



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- 3 What follow-up work on HMWB identification and designation criteria could be undertaken as part of the CIS?



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Information exchange

- Invaluable
- Assessment methods/criteria
- Good practice
- Mitigation measures
- Economics

Member States

Types

Sectors/Uses



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Areas for development

- Solutions in “other” water bodies
- Practical implications of HMWB vs. Less Stringent
- Integration with Ecostat & PRB’s
- Impacts of sediment management