



European Union
European Regional
Development Fund
Investing in your future



Special EU Programmes Body
Foras Um Chláir Speisialta An AE
Boord O Owre Ocht UE Projects

Freshwater Pearl Mussel Monaghan Oct 2012

IR IVa Reference Number: 003705

Picture courtesy of E Moorkens



**Comhairle Chontae Dhún
na nGall**
Donegal County Council
www.donegal.ie



Northern Ireland
Environment
Agency
www.ni-environment.gov.uk



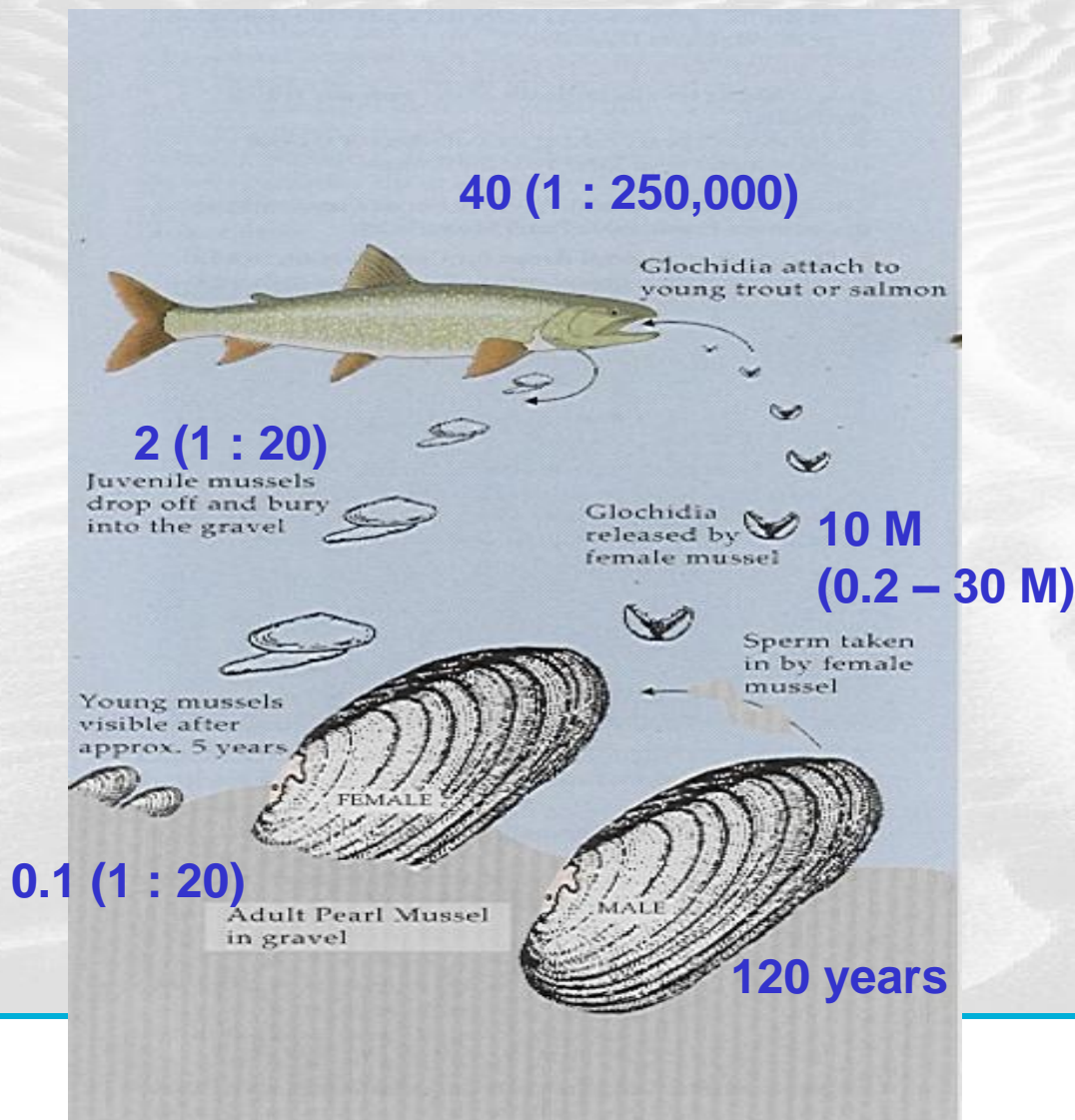
An Agency within the Department of the
Environment
www.doeni.gov.uk



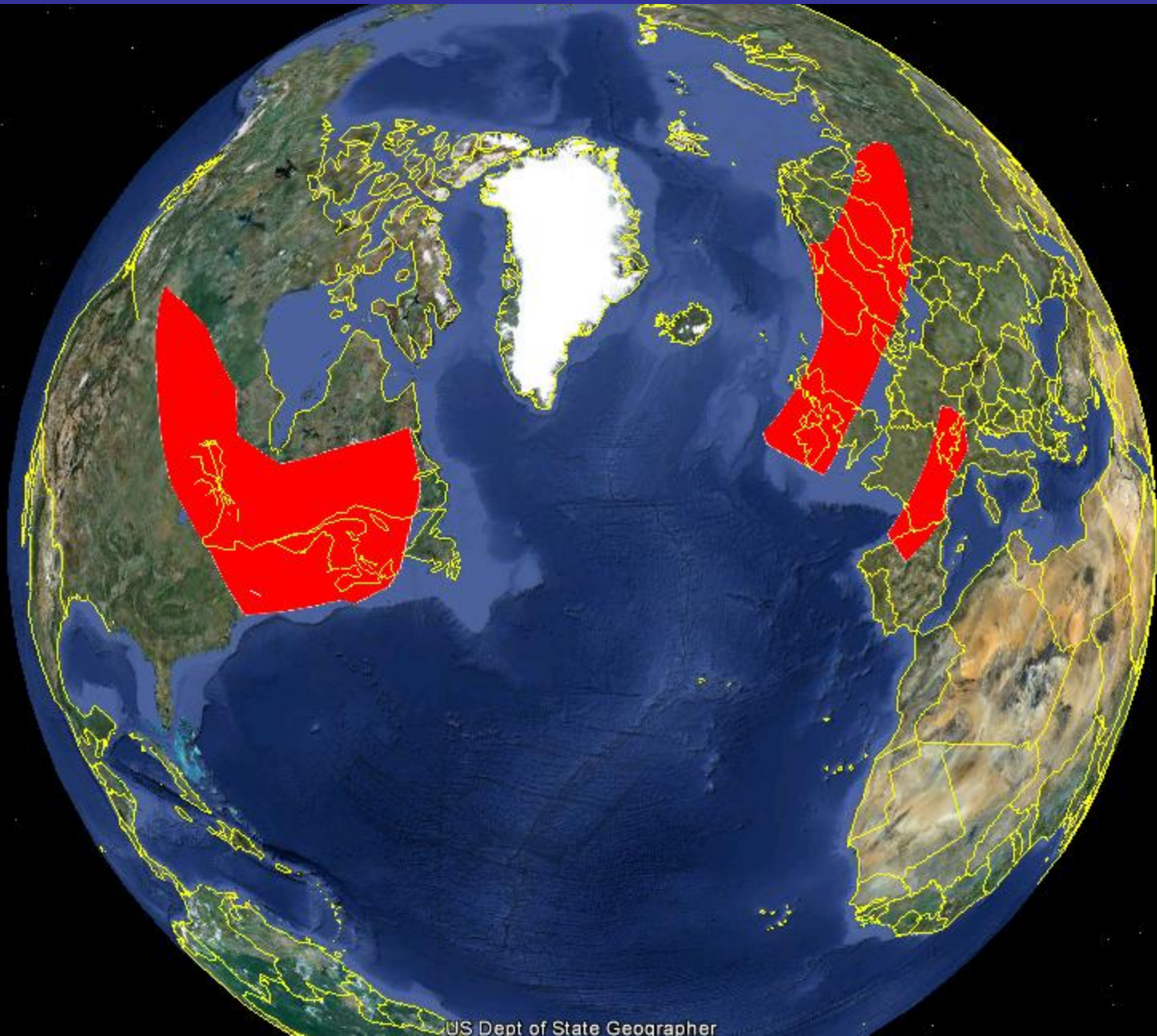
Margaritifera margaritifera

Picture courtesy of E Moorkens

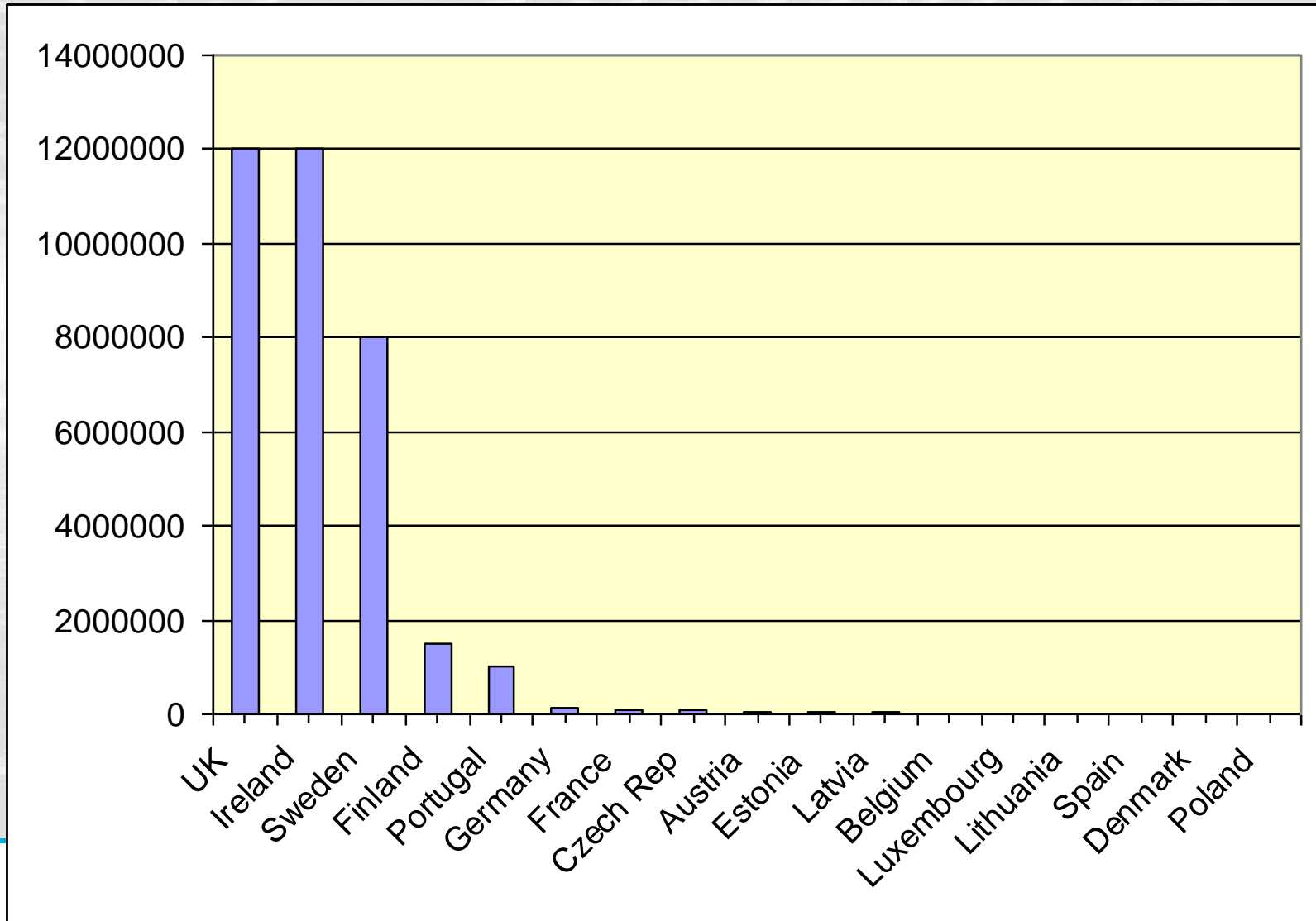
Life Cycle

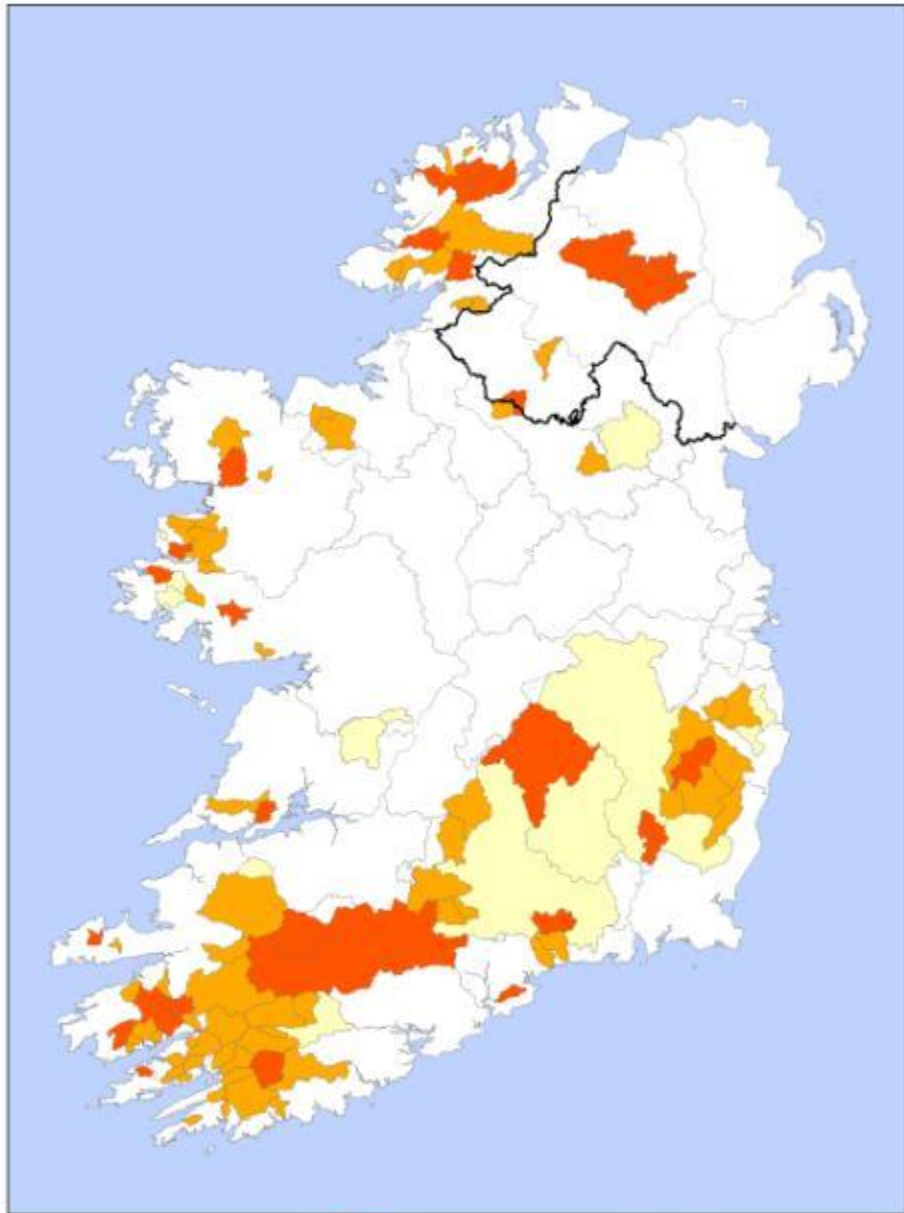


Global Distribution



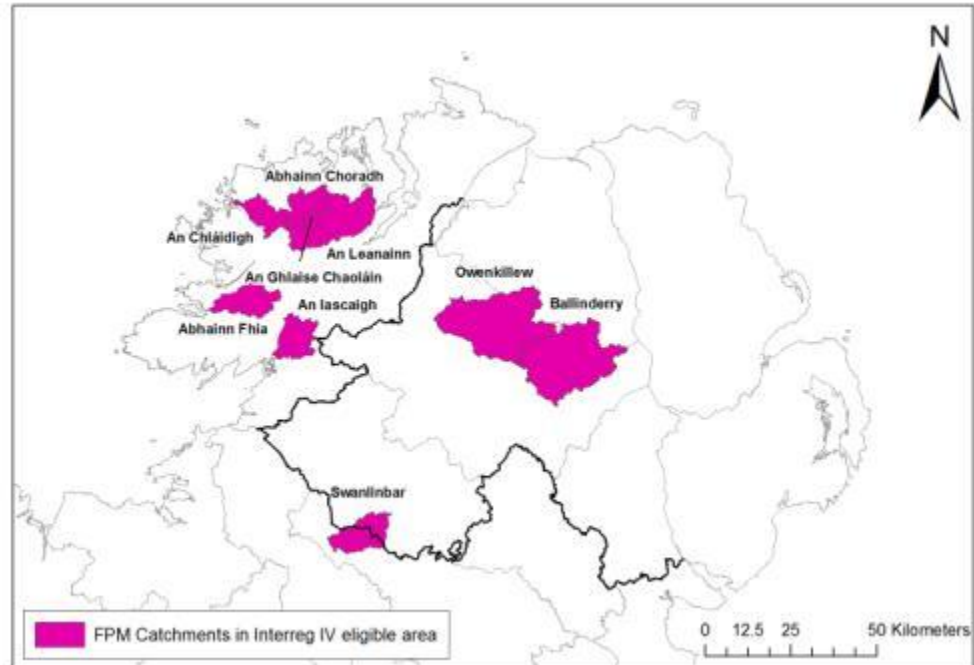
European Abundance





0 30 60 120
Kilometers

- Catchments of SAC populations listed in S.I. 296 of 2009
- Catchments of other extant populations
- Catchments with pre-1970 live records



Work Areas

- **3 Sub-basin strategies**
(Swanlinbar; Ballinderry; Owenkillew)
- **Trialling measures**
(Agriculture; Forestry; OSWWTS)
- **Sectoral Guidance Documents**
 - Road, water and sewerage infrastructure
 - Housing and Industrial development
 - Wind Farms
 - Water Abstractions, physical modifications & impoundments
 - Agricultural practices and farm planning
 - Peat Extraction / Quarrying practices / Mining
 - Major Emergency Planning and relevant sub-plans
 - Habitats Directive appropriate assessment guidelines for sectoral activities proposing significant risk to FPM

SWANLINBAR

- Conservation target is in NI SAC
- Pressures and Measures required upstream in RoI (not an SAC)
 - Legal Status of plans and POMs where measures may be required to achieve 'FPM favourable conservation status'
 - Conservation Criteria – FPM Regs RoI / JNCC UK
 - Stakeholder acceptance
 - Equality of burden bearing: CMS incentives (production forgone or cost incurred) / AEOS ?

Planners' Issues

RBMP (INC. Sub-basin plans)
INFORMATION (CODE) needed to drive planning is:-

DIVERSE ~~DIVERSE~~ **DIFFICULT**

Multidisciplinary

Multiagency

Multinational

Multisectoral

Multiformat.....

- ▶ Broad spectrum of **EXPERTISE** required to access/interpret
? Replication of Expertise / Shared Services ?

▶ Access / Availability??

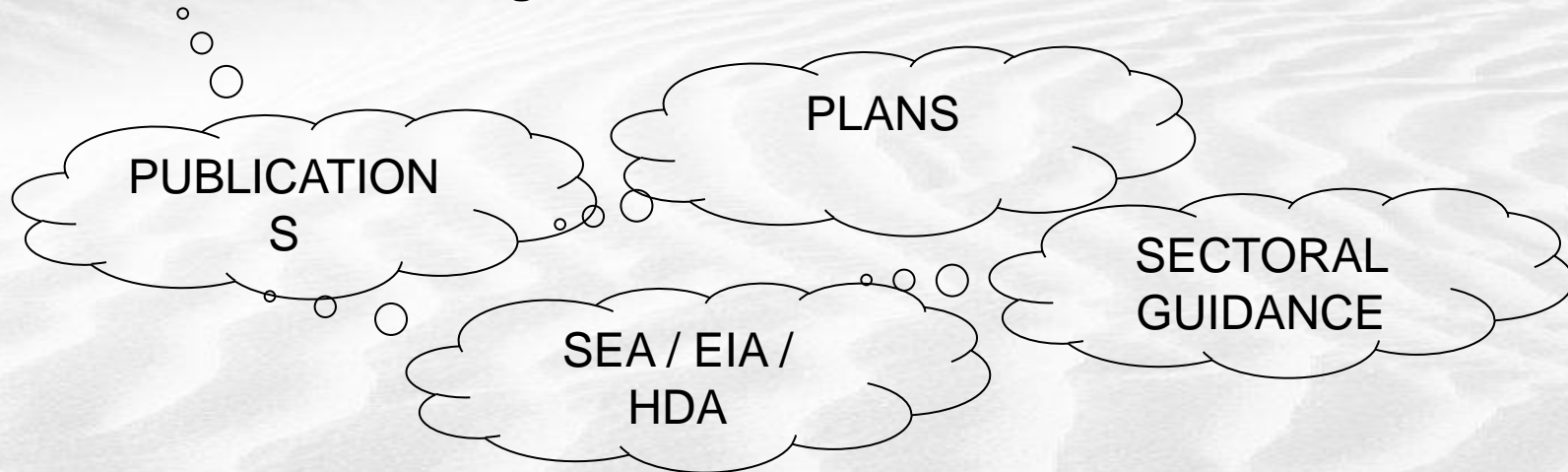
Data gaps

Restrictions

Planners' Issues

DIFFUSE

Huge corpus of relevant knowledge/information



Centralised Resources – environmental assets registers / ecoservices

Distillation in Handbooks / Sectoral Specific Guidance (FPM)

Planners' Issues

DIFFICULT

Interpretation often difficult due to Lack of Absolutes (subjective)

Many **interactive/cumulative effects** – e.g. Licensing/Permitting – Head space analysis. cf. Regional Planning Guidelines model ?

Geographical scale – precise data at local level required

Decision Support Tools – e.g. Risk of Inadequate Percolation (EPA)

Real **collaboration with stakeholders**. Specialist information interpretation and presentation. Command and control does not work / negotiated arrangements. Reward positives as well as prohibit negatives (e.g. agriculture measures – catchment asset audit to ID features that qualify for areal payments).

Systemic Issues

PLANS ARE THE PRODUCTS OF SYSTEMS

▶ CLARITY

what is required, who is responsible, who has the resources

Code deficient – planners reliant on knowledge of wider system structure and function

▶ FORMALISED (Personnel Independent) LINKAGES

RBM / EPA / NIEA / OPW / DARD / Natural Heritage / NPWS.....

Holistic approach to governance (MoUs ; Service level agreements)

▶ COOPERATIVE PROJECTS – multiagency / multidisciplinary / XB Harmonisation



European Union
European Regional
Development Fund
Investing in your future



Special EU Programmes Body
Foras Um Chláir Speisialta An AE
Boord O Owre Ocht UE Projects

**Freshwater Pearl
Mussel**

Sliogán Dubh

Thanks

