Options for Delivering Ecosystem-Based Marine Management

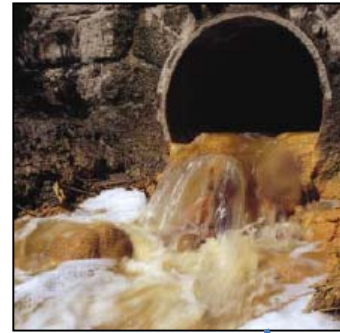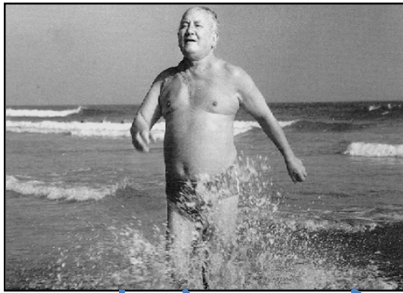## ODEMM

www.liv.ac.uk/odemm

Freya Goodsir

Key ODEMM Tools and Outputs

1. **Linkage Frameworks and Network Simplification** - Ecosystem structure (mechanisms) includes humans as users of ESs (Knights et al., 2013)

2. **Risk to Ecosystem Objectives – Risk assessment against GES** (Breen et al., 2012)

3. **Pressure Assessment** – Threat evaluation (current and future scenarios) for Initial Assessments and reviews of pressures on ecosystem

4. **Risk Assessment Framework** – leads to selection of management measures = Decision Support Tool

5. **Management Strategy Evaluation** (MSE) – measure performance [environmental change and pressure reduction]

6. **Ecosystem Service Typology for Marine Spatial Planning and Management** (Bohnke-Henrichs et al 2013)

7. **Alternative Governance Models** - to support structures needed for coordination and cooperation

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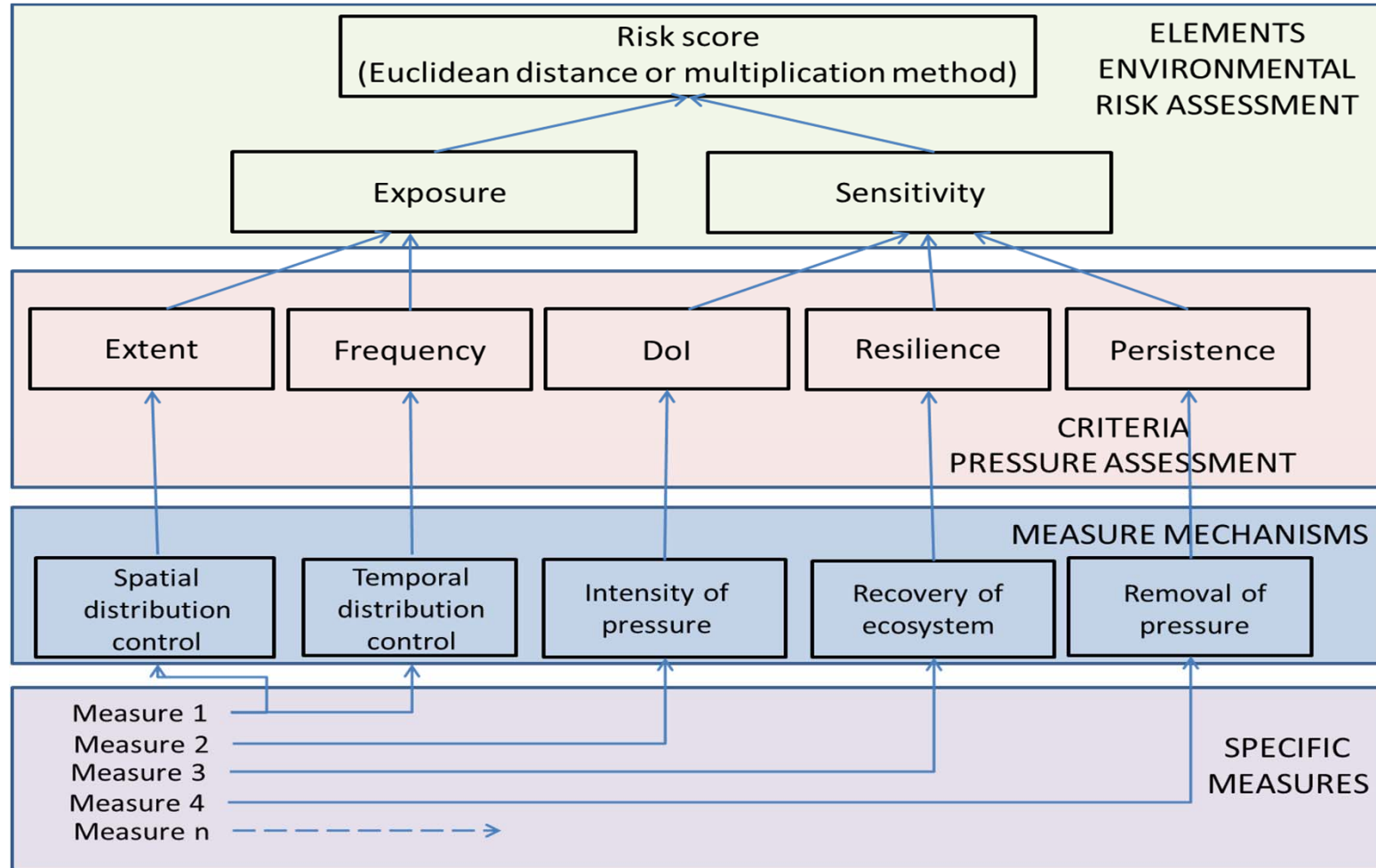
What are the key pressures?
Which have most management potential?
Which are the most widespread and severe?

ODEMM Decision Support Tool

(Piet et al., in prep) with measures database

Seafood
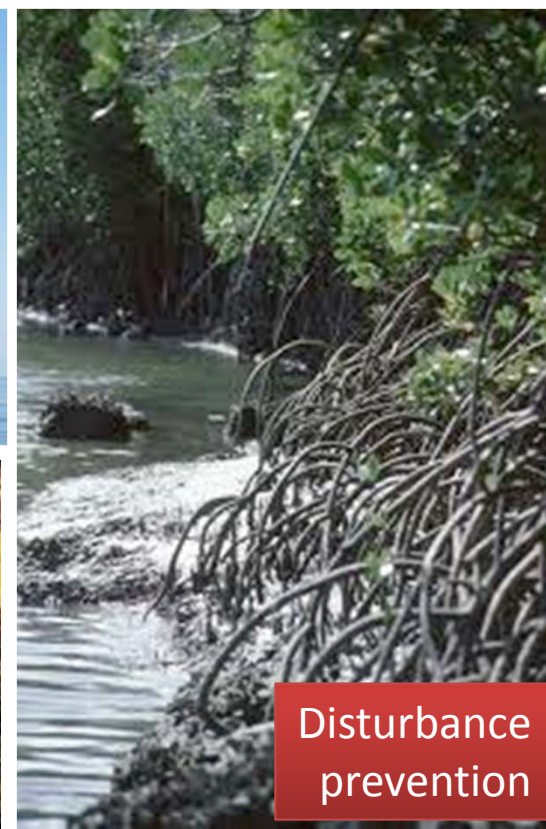
Energy

Raw materials
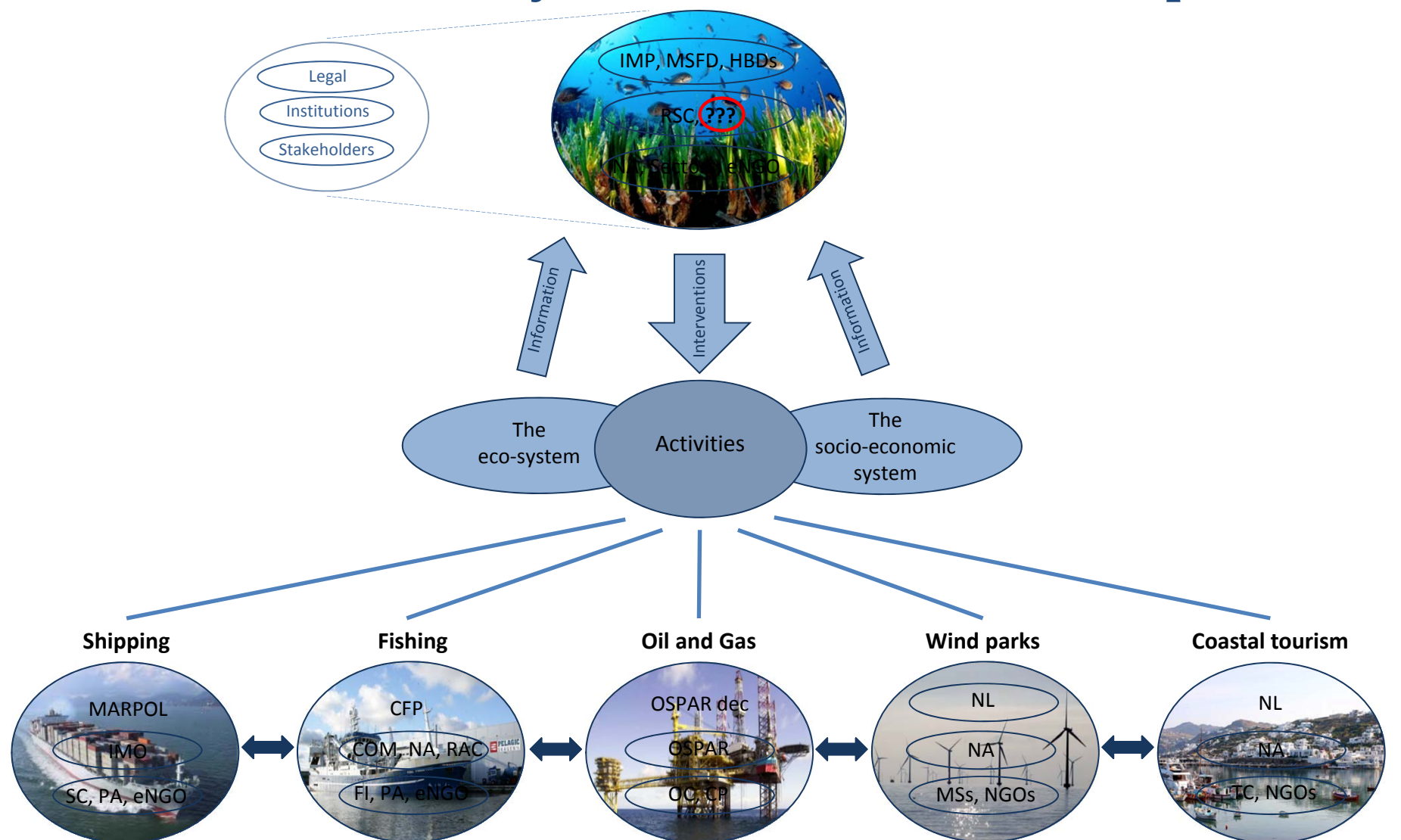
Air purification

Energy

Medicinal resources

Coastal erosion

Disturbance prevention

Marine Governance System for EBMM in European Seas

How to find out more:

Visit our Website: **www.liv.ac.uk/odemm**
- Many outputs already available
- All to be added by end of this year

Project coordinator
Dr Leonie Robinson, University of Liverpool
leonie.robinson@liverpool.ac.uk