



Northern Ireland  
Assembly



Queen's University  
Belfast



The Open  
University



Ulster  
University

## Knowledge Exchange Seminar Series (KESS)

*...is a forum that encourages debate on a wide range of research findings, with the overall aim of promoting evidence-based policy and law-making within Northern Ireland*



# Marine Planning for the Blue Economy Small Island: Big Challenges

**Greg Lloyd**

**School of the Built Environment  
Ulster University**

[mg.lloyd@ulster.ac.uk](mailto:mg.lloyd@ulster.ac.uk)

**Heather Ritchie**

[h.ritchie@ulster.ac.uk](mailto:h.ritchie@ulster.ac.uk)

**Deborah Peel**

**School of the Environment  
University of Dundee**

[d.peel@dundee.ac.uk](mailto:d.peel@dundee.ac.uk)

# Aspirations for a Blue Economy?



## A Moving Equilibrium? Policy Catch-up?

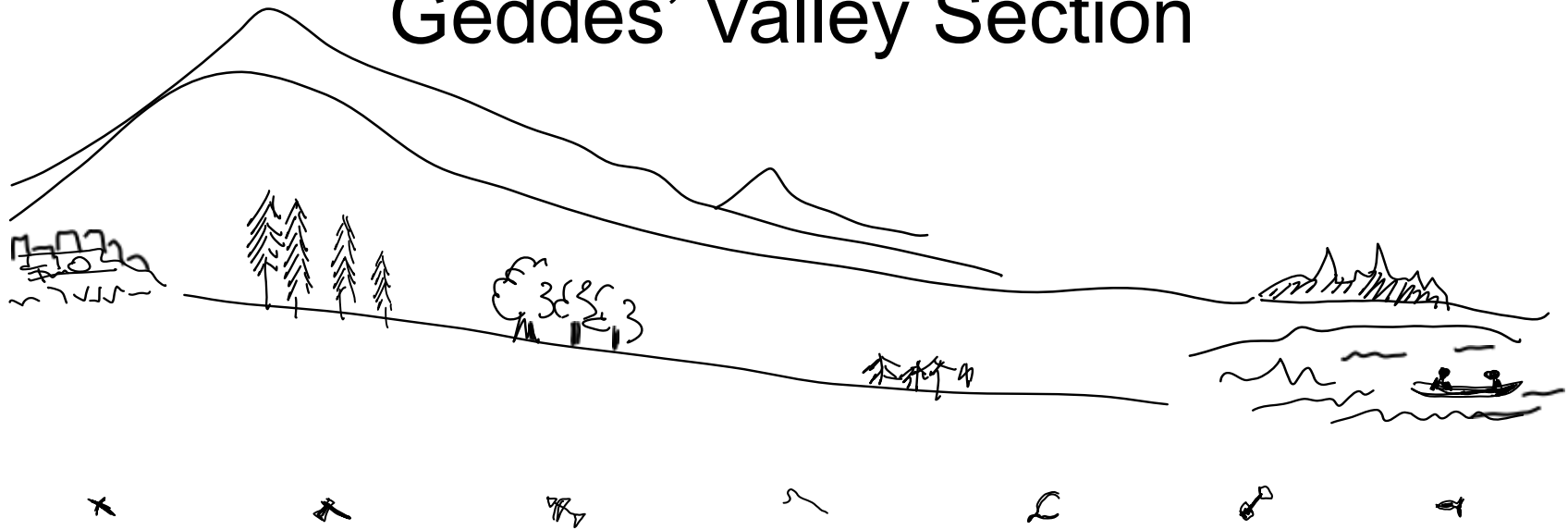


# Why a Marine Planning approach for the Blue Economy?

- 1.Context: Land – Coast - Sea : Ecosystemic thinking
- 2.Social-ecological resilience – an integrated policy approach
- 3.Fragmented regulatory regime - Water Framework Directive; Integrated Coastal Zone Management; Maritime Directive; separate marine planning systems
- 4.Defining Marine Spatial Planning and the Blue Economy
- 5.Towards an all-island perspective for a sustainable blue economy?



# Ecosystemic Thinking Geddes' Valley Section



Miner Woodman Hunter Shepherd Peasant Gardener Citizen Fisherman



# Productive Seas, Stable Ecosystems and Flourishing Communities?



## Social Construction of the Blue Economy?



# A Blue Economy?

## Land – Coastal – Sea : Pressures

Land	Coast	Marine / Maritime
Demand for energy Waste management	Supporting infrastructure Development management Sensitive interface	Offshore energy Offshore renewable – wind, tidal, wave (fuel security)...
Demand for food	Supporting infrastructure Development management	Offshore food production Fishing; aquaculture...
Demand for employment and economic development	Job creation; skills; housing, etc; R&D; maintenance; support; “interface”	Tourism; industrial; transport; engineering; safety; tourism...
Community values (‘fixed’ resident, visitor, future...)	Identity; sense of place; intrinsic – local / regional; regeneration	Fishing (etc) communities; “footloose” communities (eg investors; developers...)

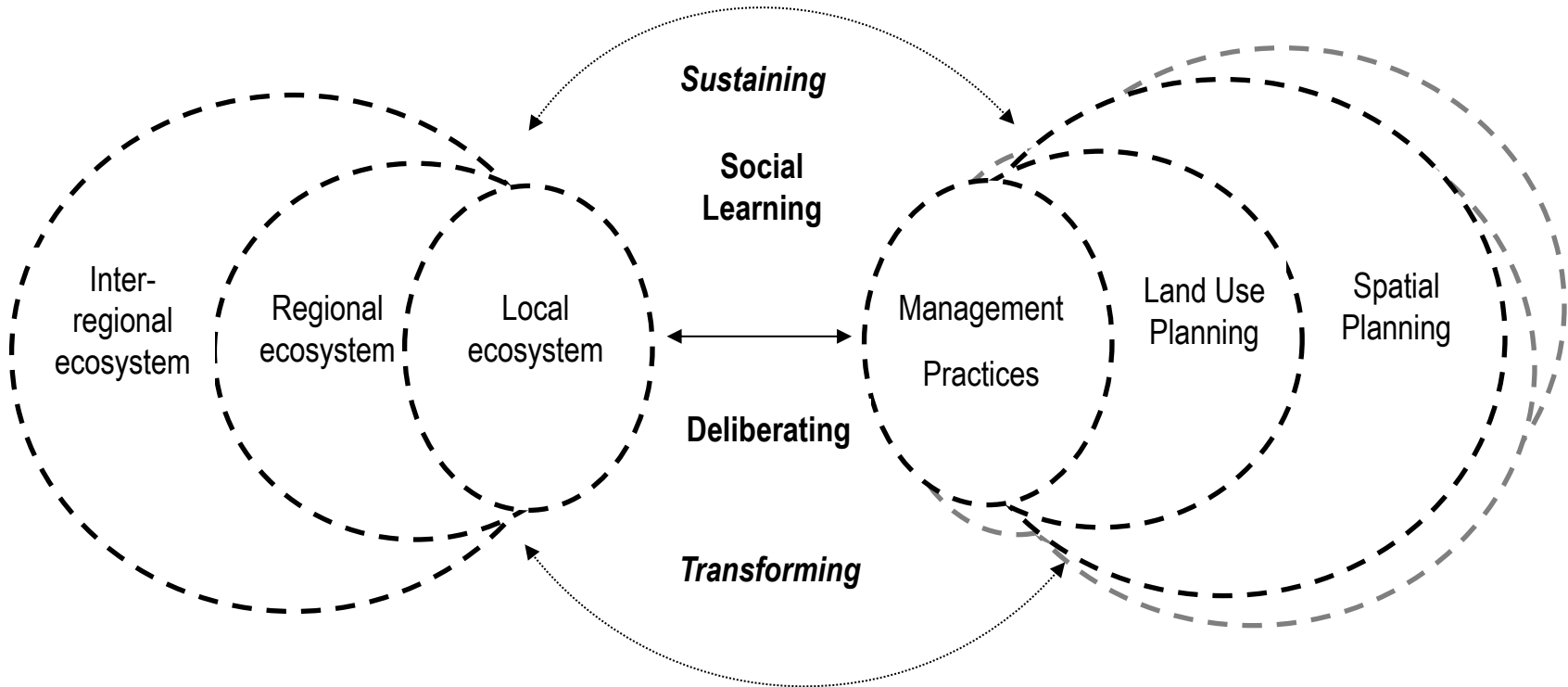


# A Social-Ecological Resilience Framework

## *Social construction*

Ecological / Environmental Sphere

Social / Institutional Sphere



# A Dynamic Context?

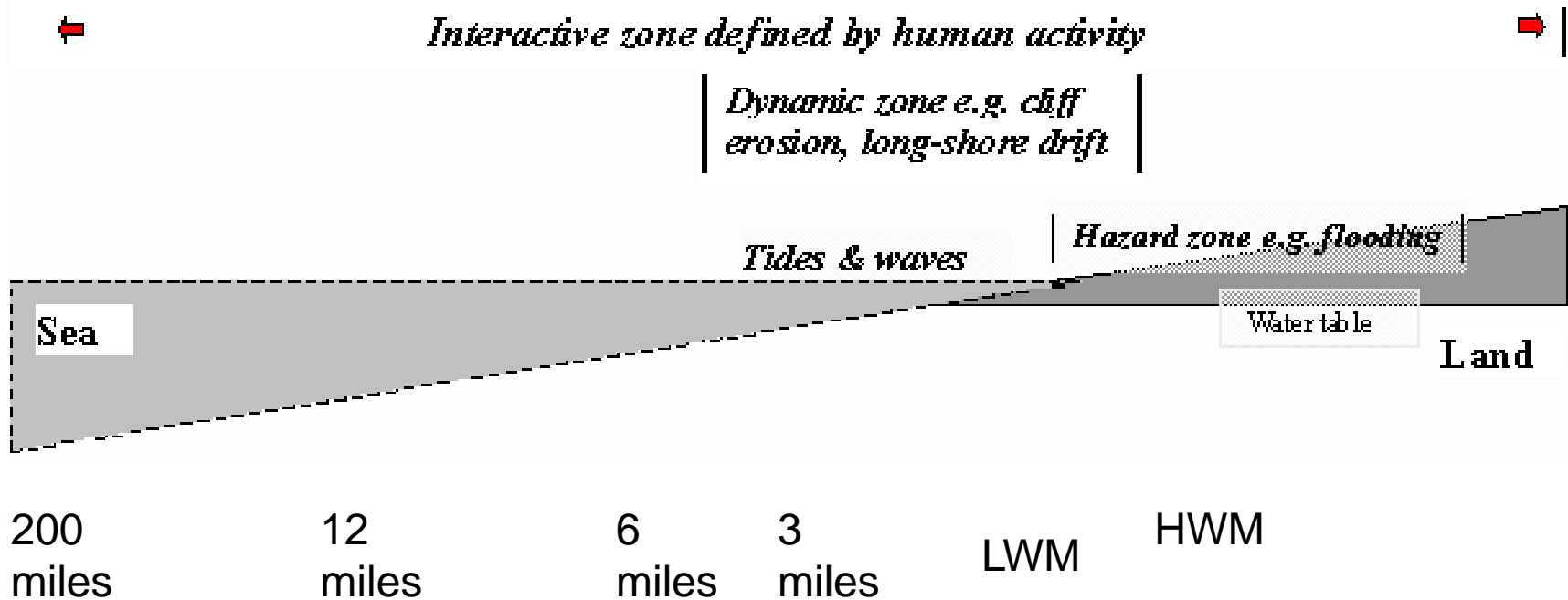
## Land – Coast – Sea : Challenges and Opportunities

Land	Coast	Marine / Maritime
Flooding Engineering – critical infrastructure	Erosion Resilience	Dynamic - international Resilience
Social / demographic change	Variegated coastal communities – flourishing	Common property
Relative economic performance	Diverse economic impacts – the resort cycle?	Economic potential – competition and contestation
Ecosystems (positive and negative)	Ecosystems (positive and negative)	Ecosystems (positive and negative)





# A Non-Joined up Regulatory Framework?



<http://www.coastalguide.org/icm/england.html>

# A Segmented Regulatory Framework?

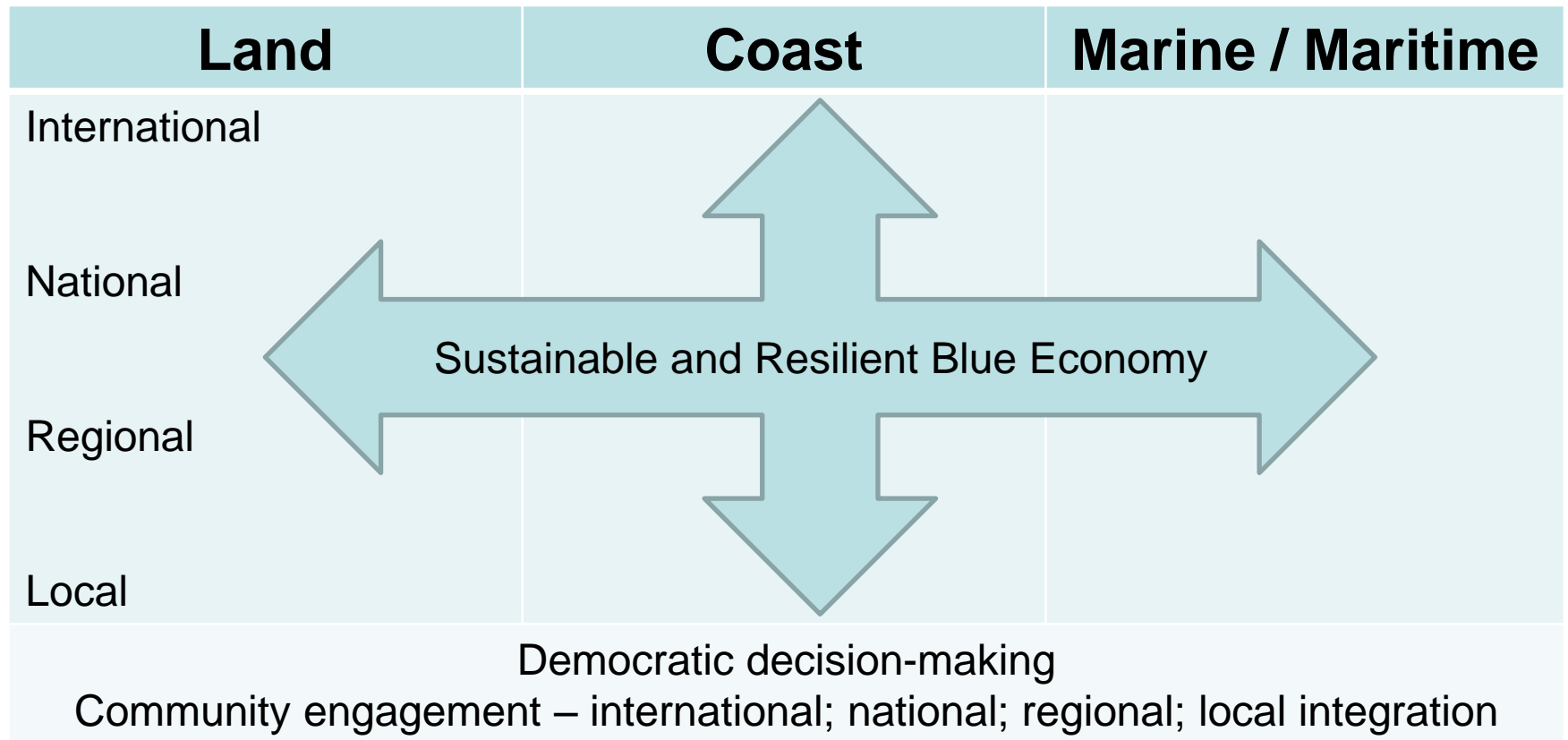
Land – Coast – Sea : Challenges and Opportunities

Land	Coast	Marine / Maritime
Emergent terrestrial planning system (RPA)	Integrated Coastal Zone Management	Transboundary
Regional planning	Shoreline Plans	Maritime Directive
Local development planning		Marine Plans
Framework for Cooperation		Licensing
Water Framework Directive		



# A Blue Economy?

Land – Coast – Sea : Pooled Sovereignty





Northern Ireland  
Assembly



Queen's University  
Belfast



The Open  
University



Ulster  
University

## Knowledge Exchange Seminar Series (KESS)

*...is a forum that encourages debate on a wide range of research findings, with the overall aim of promoting evidence-based policy and law-making within Northern Ireland*