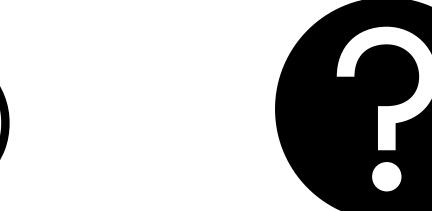
Evaluating International Eel Management Frameworks Based on an Ecosystem-Based Management Approach A. ISHII (Tohoku University), M. GOLLOCK (The Zoological Society of London), C. PIKE (ZSL) and K. KAIFU (Chuo University).

→ A "holistic approach to management that recognizes the physical, biological, economic, and social complexities of managing living resources" (Patrick and Link, 2015)

2. What are the core principles of ecosystem-based management? A (Long et al. 2015) 3. What do they mean for eel management?

- 1. Consider Ecosystem Connections
- 2. Appropriate Spatial & Temporal Scales
- 3. Adaptive Management
- 4. Use of Scientific Knowledge
- 5. Integrated Management
- 6. Relevant Stakeholder Involvement
- 7. Account for Dynamic Nature of Ecosystems
- 8. Ecological Integrity & Biodiversity
- 9. Sustainability
- 10. Recognise Coupled Social-Ecological Systems
- 11. Decisions reflect Societal Choice
- 12. Distinct Boundaries
- 13. Interdisciplinarity
- 14. Appropriate Monitoring
- 15. Acknowledge Uncertainty

1. What is ecosystem-based management?



1. Consider bi-directional other species

2. Ensure both full life-his aquatic biomes are consid 3. Learning through cyclic assessment, in co-ordinat 4. Ensure decision-making is informed by up-to-date 5. Account for all factors management.

6. Considering for stakeho and ensuring timely shari 7. Accounting for both the associated changes in sur 8. Management should co strive to ensure that eel 9. Sustainable use of eel management.

10. Interactions between relevant actors should be individually.

11. Mechanisms should e broad populous in range 12. Management should appropriate sub-units sho 13. Mechanisms should e knowledge e.g. Fisher exp 14. Monitoring of eels, ac social-ecological systems 15. Adaptive managemer should inform measures.

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I interactions with habitats and	CON	ICLU
	1.	FR
story and geographic range in idered in management.		frai
ic decision-making, monitoring, and		
ation with other range states.		hol
ng and implementation of measures e scientific knowledge.		ma
that impact eel populations in	2.	Sor
nolders' opinions in decision-making		EBI
ring of relevant information. The eel across its life history and the		cor
rrounding ecosystems.		and
consider broader biodiversity and populations are self-sustaining.		of
species should be fundamental to		
	3.	As
n eels, associated habitats and e considered together rather than		inte
		to k
exist to consider the choices of the states.	4.	
consider the entire range but	4.	Au
ould implement measures.		opp
exist to consider other sources of a perience.		cor
quatic ecosystems and coupled		sus
s should use suitable indicators. nt and the precautionary approach		Ang

Ecosystem Society

Actors

ARKS: M is not a perfect mework but offers a listic model for eel anagement. me elements of the M approach are mplicated by the range d panmictic life history eels. such, this must involve ernational co-ordination be truly effective. loption of EBM offers portunity to strengthen nservation and stainable use of guillid eels.