

Why Regime Complexes?

- "an array of partially overlapping and nonhierarchical institutions governing a particular issue-area."
 - Raustiala and Victor
- Reflection of increasing density of int'l institutions and complexity of global issues
- Elemental institutions
 - Configurations of parties
 - Differentiation/overlap
- System Effects
 - interactions
 - Path dependence
 - Degree of fragmentation / integration
- Enables situating specific regimes within system
 - Understand interactions / system dynamics



Image: Alter and Raustiala, 2018



Governance Functions

Governance	UNFCCC	LC/LP	CBD	UNCLOS	BBNJ	Antarctic	CIL	CGE
requirements								
Demand								
Acct'ing								
jurisdiction								
research								
Env. Protection								
Permitting								
EIA								
Notice/Consult								
Monitoring/report								
Benefit Sharing								
Use conflicts								
Liability								
Dispute Res								

Functional Areas: Climate blue

Env. Green Leg

Legal rights Grey

Distributive rights Yellow

Darker shades indicate determinacy of rules; split cells indicate rules not in force

Elemental Regime: Climate

- Source of demand for CDR
 - NDCs bottom up structure
 - IPCC IAMs gigaton scale deployment anticipated under models
 - Disjuncture between IAMs and other geo-biophysical and social constraints
 - Sustainability, food security and HR provide further normative criteria
- Differential treatment of CDR and SRM
 - Little direction on SRM (but see C2G, Overshoot Commission)
- Art 6 market provisions major facilitator
 - Drives private sector involvement
 - Gate keeping function of art 6(4) mechanism
- Other facilitating mechanisms
 - Finance
 - Tech transfer
 - N/S dimensions
 - Art 13 accounting protocols



IPCC WG III, AR6 Mitigation of Climate Change, Figure 12.4

Governance requirements	UNFCCC
Demand	
Acct'ing	
jurisdiction	
research	
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Elemental Regime: Law of the Sea

- Constitutive role
 - Rules of the game
- Jurisdiction
 - Access to and control over maritime zones
 - High seas freedoms
 - Presumption of freedom of action
 - Flag state responsibilities
- Permissive MSR rules
 - "appropriate scientific method"
- Ambiguous environmental rules
 - No harm principle potentially precludes risk/risk assessments
 - Def'n of "pollution" only applies to some technologies
 - Procedural orientation
 - EIA
 - Notice/consultation
 - Direct link via art 210 to LC/LP
- Inchoate liability rules defer to customary law
 - Due diligence draws on int'l standards
- Introduces (but constrains) idea of CHH
- No COP but ITLOS increasingly site of strategic action

Governance	UNCLOS
requirements	
Demand	
Acct'ing	
jurisdiction	
research	
Env. Protection	
Permitting	
EIA	
Notice/Consult	
Monitoring/report	
Benefit Sharing	
Use conflicts	
Liability	
Dispute Res	

Elemental Regimes: Biodiversity and BBNJ

CBD

- Non-binding resolutions but still compliance pull
 - Framing effect
 - Presumption of prior, global governance
 - Lumps CDR together with SRM
- Precautionary
- No harm
- COP forum for discursive/strategic actions
- Extends benefit sharing to biological resources – but linked to access

BBNJ – not in force

- Elaborates on key procedural obligations
 - EIA
 - Notice
 - Clearinghouse mechanism
 - Integrated marine planning
 ABMT
- Reinforces key principles
 - Precaution
 - CHH & equity
- Extends notion of benefit sharing beyond the Area
- Provides further fora
 - liability

Governance	CBD	BBNJ	
requirements			
Demand			
Acct'ing			
jurisdiction			
research			
Env. Protection			
Permitting			
EIA			
Notice/Consult			
Monitoring/report			
Benefit Sharing			
Use conflicts			
Liability			
Dispute Res			

Elemental Regime: Ocean Dumping – LC/LP

- Normatively contingent
 - Non-binding resolutions and not-in-force amendment
 - Depends on interpretation of Convention's objectives
- But v. detailed provisions
 - Only permitting regime
 - Application to placement technologies (not MCB, others)
 - Environmental focus
 - EIA no screening
 - Notice
 - Research regulation
 - "legitimate scientific research"
 - Addresses broader range of issues
 - Research rationale
 - Vested interests
 - Research disclosure

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Governance	LC/LP	
requirements		
Demand		
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Dispute Res		

Regime Complex Dynamics

• Connections

- Attention to ordering provisions, UNCLOS arts 210 & 311; BBNJ art 4; AT art VI
- (In)coherence
 - Rule conflicts v. narrative conflicts
 - Demand → feasibility/risk
 - Role of precaution
 - Technology specific differentiation
 - Research governance
 - "legitimate scientific research"
 - MG as a resource issue global public v. private goods
 - Role of equity
- Evolution/stability
 - Role of CIL
 - Role of institutions
 - Strategic behavior
- Robustness
 - Shift from research governance to deployment
 - Interplay between permitting and crediting
 - Scale effects



Key references

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