
Co-created Participatory Approaches to Water Security & Multi-Level Governance that Leaves No One Behind



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Law, the market and the individual

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The 5Ws (+1H) of co-created water research & governance

1. Who?

Local & Indigenous communities in the roles of key stakeholders alongside researchers and policymakers.

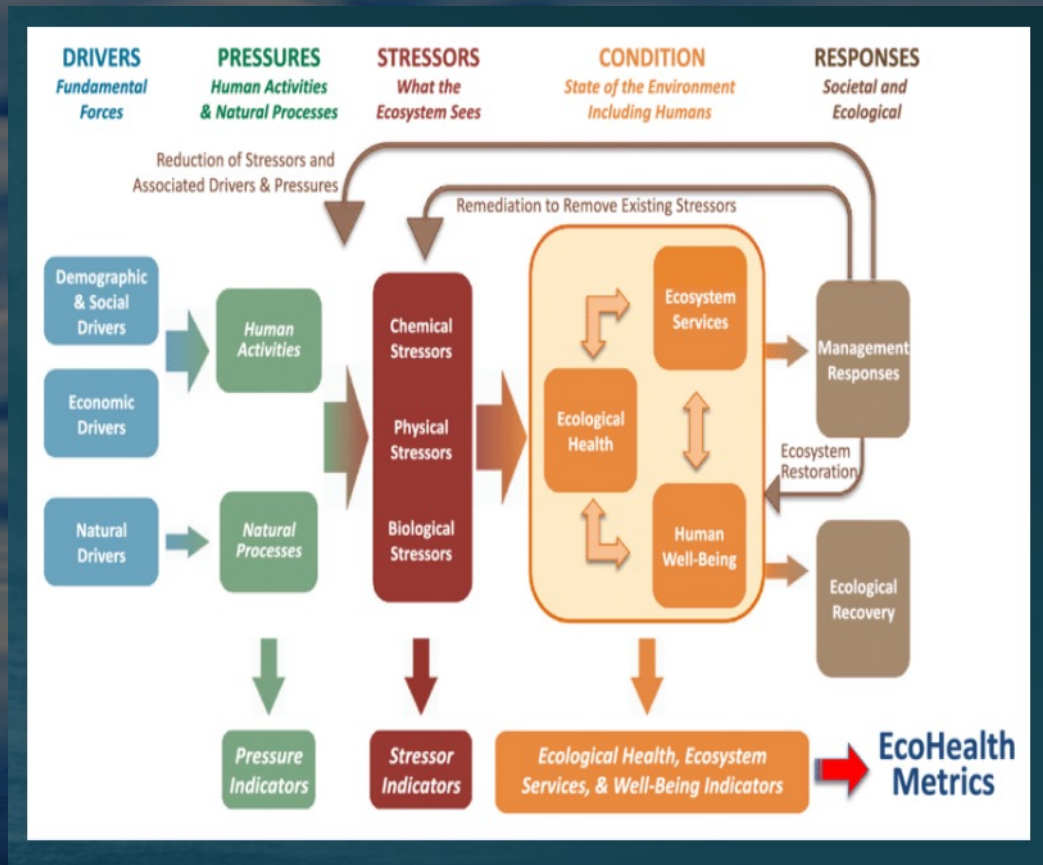
2. What?

Research projects and networks, consortiums (*inter alia* agreements), policy formulation processes, independent monitoring mechanisms.

3. Where?

- A) National, regional, and international research projects and partnerships.
 - B) Relevant municipal, national, regional, and international administrative agencies/authoritative bodies.
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The 5Ws (+1H) of co-created water research & governance



4. When?

All project stages, from inception through to post completion review and monitoring.

5. Why?

- A) Higher likelihood of generating sustainable, culturally relevant, practices and outcomes.
- B) Develops and strengthens a sense of environmental stewardship for all stakeholders.
- C) Increases likelihood of effective, inclusive knowledge exchange across disciplines, perspectives and sectors.

*6. The hard part - How?

“The H”

Developing a holistic methods toolbox

Communications:

Addresses the substantial communication gaps between public and private sector stakeholders and indigenous/ local communities.

Inclusivity:

Utilizes inclusivity in water security scenario planning and adaptation strategies that are satisfactory to target groups and increases adherence to water legislation.

Participation based models	Primary methods	Application setting
CoPK	Co-creation: 1.knowledge sharing 2. experimental learning and pro-dev experiences 3. joint projects and publications	International (Global North/ South)
PBL (problem based learning)	Scenario specific forecasting, mitigation, adaption. 1.Common actions 2.Adaptive innovation actions	International/ regional / national
Delphi rounds	Expert consensus building: 1.Surveys 2. Review rounds, 3. Compromise.	Regional/ national

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UNITO, 2023

Legal Research Methods 2.0

Where integrated water resource management (IWRM) meets policy theory: the assemblage approach

1. Commonly used definition of assemblage:

“a mode of ordering heterogeneous entities so that they work together for a certain time” (Müller 2015, 28)

2. Broad applications:

“Assemblage avoids top-down research design and/or policy formulation by piecing together heterogeneous components within a functional whole, [...] that is never finished, never closed” (Curtis 2016, 182). This approach can be utilized to develop a mosaic of relevant laws, IWRM principles, and local norms which describe the dialectic between local and global water management and/or governance practices (Oomen 2018, 231).

Assemblage Application: La Zanja Mine, Peru

The legal elements of the Cajamarca community approach integrated a watershed strategy (IWRM) via international law ***and*** an Indigenous perspective on water rights using:

1. ILO Convention 169

2. Principle 10 of the 2009 Peruvian Water Resources Act (29338)

“The use of water must be optimal and equitable, based on its social, economic and environmental value, and its management must be integrated by watershed and with the active participation of the organized population. Water is part of ecosystems and is renewable through the processes of the hydrological cycle”.

-(No.29338/2009)



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