

coasta! Collaboration Cluster



Disciplines and Post-disciplinarity in coastal planning

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Introduction

- **Diverse disciplinary knowledges and coastal adaptation to CC**
- **Multi-disciplinary approaches**
- **Interdisciplinary approaches**
- **Transdisciplinary approaches**
- **Transdisciplinary research is not easy!!!**



Diverse disciplinary knowledges and coastal adaptation: single discipline approach

- **Epistemological siloes: a place for every discipline and every discipline in its place**
- **Single focus-embankments for engineers and indigenous ‘protection’ for anthropologists**
- **Rule of the expert-devalorised local knowledge and participation**
- **Tame problems. Solutions are linear, clear end point, known measures, simplified**



Multi-disciplinary approaches

- **Separate and equal**
- **Limited cross-disciplinary communication and hierarchy of command**
- **Nature/society dichotomy-separate ontological spheres**
- **Triple bottom line-call in the social and environmental scientists**

Interdisciplinary approaches

- **Recognition of mutual constitution of social, cultural, economic and ecological processes**
- **Integrative frameworks: Political ecology; sustainability studies; environmental economics**
- **Assigning monetary value to environment**

Transdisciplinary approaches

- **Extended knowledge networks**
- **Recognition of diverse knowledges, interests, values and objectives**
- **Deliberative and democratic**
- **Post-normal science-extended peer review and extended facts**
- **Participatory transdisciplinarity**
- **Reflexive and relational governance**

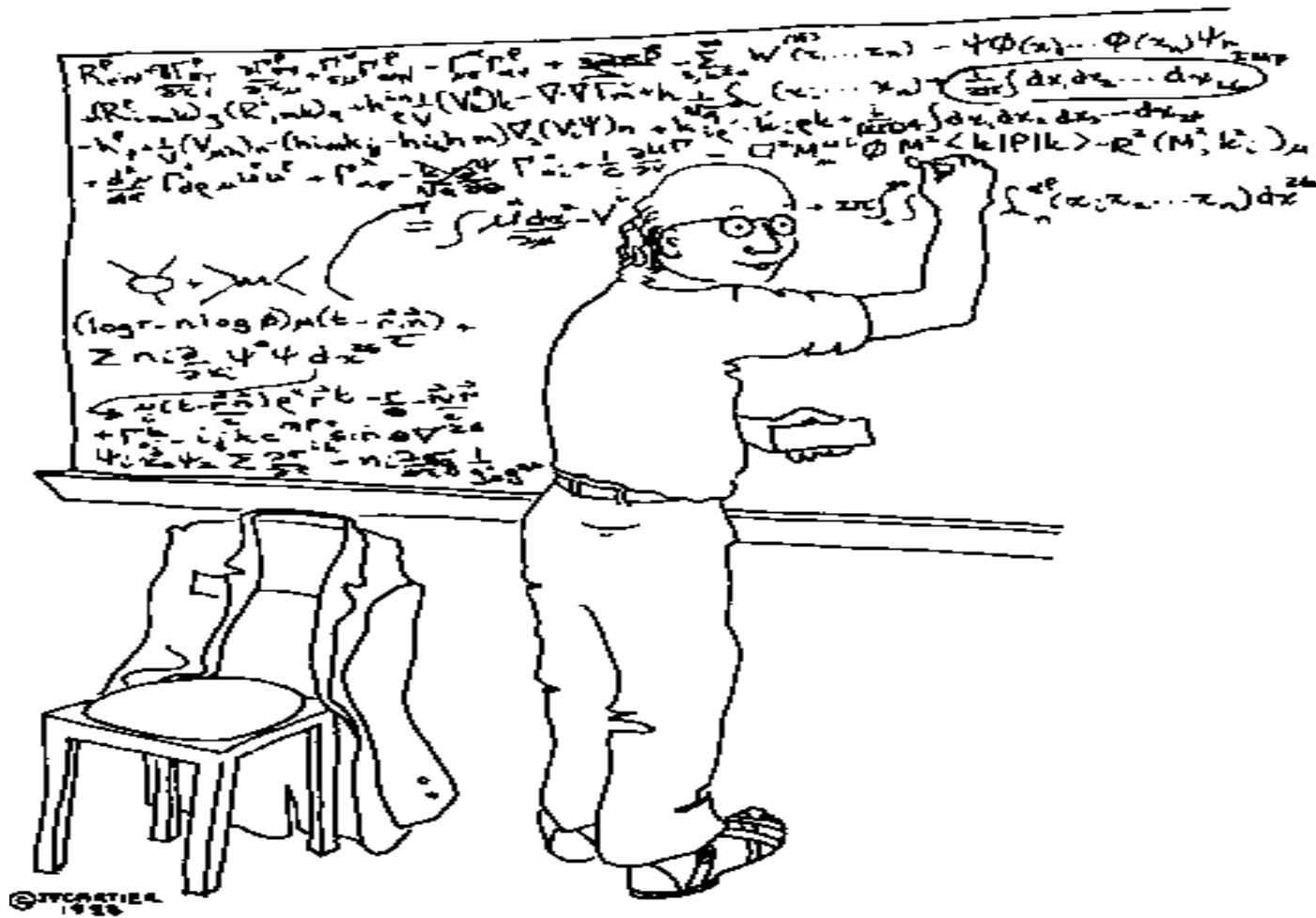
Coastal adaptation for sustainability

- **Climate change science uptake in coastal zone governance-linking abstract science to people's life worlds and governance**
- **through collaborating; mediating; convening; translating**
- **Mixture of tame and wicked problems (continuum)**
- **Coastal collaboration cluster: governance, knowledge, adaptive learning and socio-cultural context**
- **Deliberative workshops**
- **Challenging linear, scale-free and static worldviews**



Coastal Collaboration Cluster

Thank you



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"At this point we notice that this equation is beautifully simplified if we assume that space-time has 92 dimensions."