

Climate services coproduction

How close are we to

transdisciplinary knowledge production

Dragana Bojović

Earth Sciences Department

Earth System Services

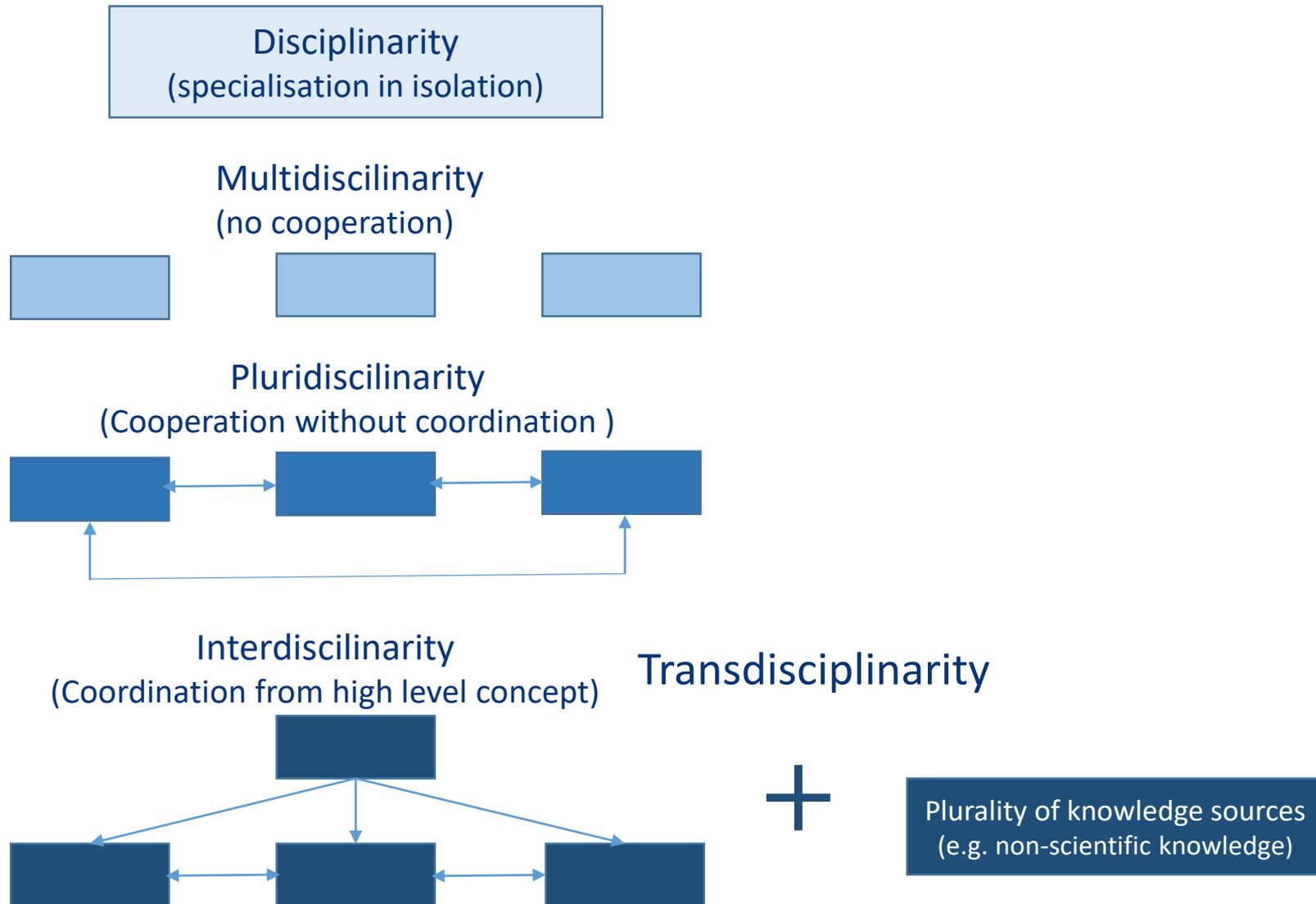


**Barcelona
Supercomputing
Center**

Centro Nacional de Supercomputación

2nd July 2020

What is transdisciplinarity?



What is the connector?

- Well defined common goals – co-benefits
- Publications
 - Case studies development
 - Journal publications

but

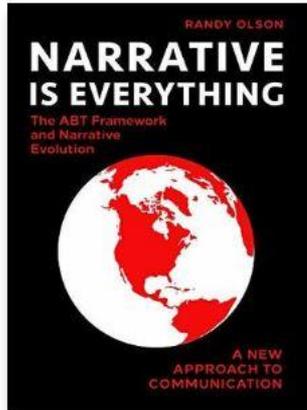
- Journals' criteria for acceptance are often based on significance rather than soundness (how well done is the research)

Narratives

Randy Olson: the right amount of narrative

- Both the scientific method and the communication of science are narrative processes
- Everyone wants to tell a good story

*Why then we have **narrative deficiency***

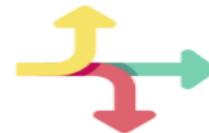


ABT narrative framework

AND

BUT

A **storyline** provides a unity to separate discursive components of a physical or social phenomenon, combining them into a coherent whole, concealing the discursive complexity



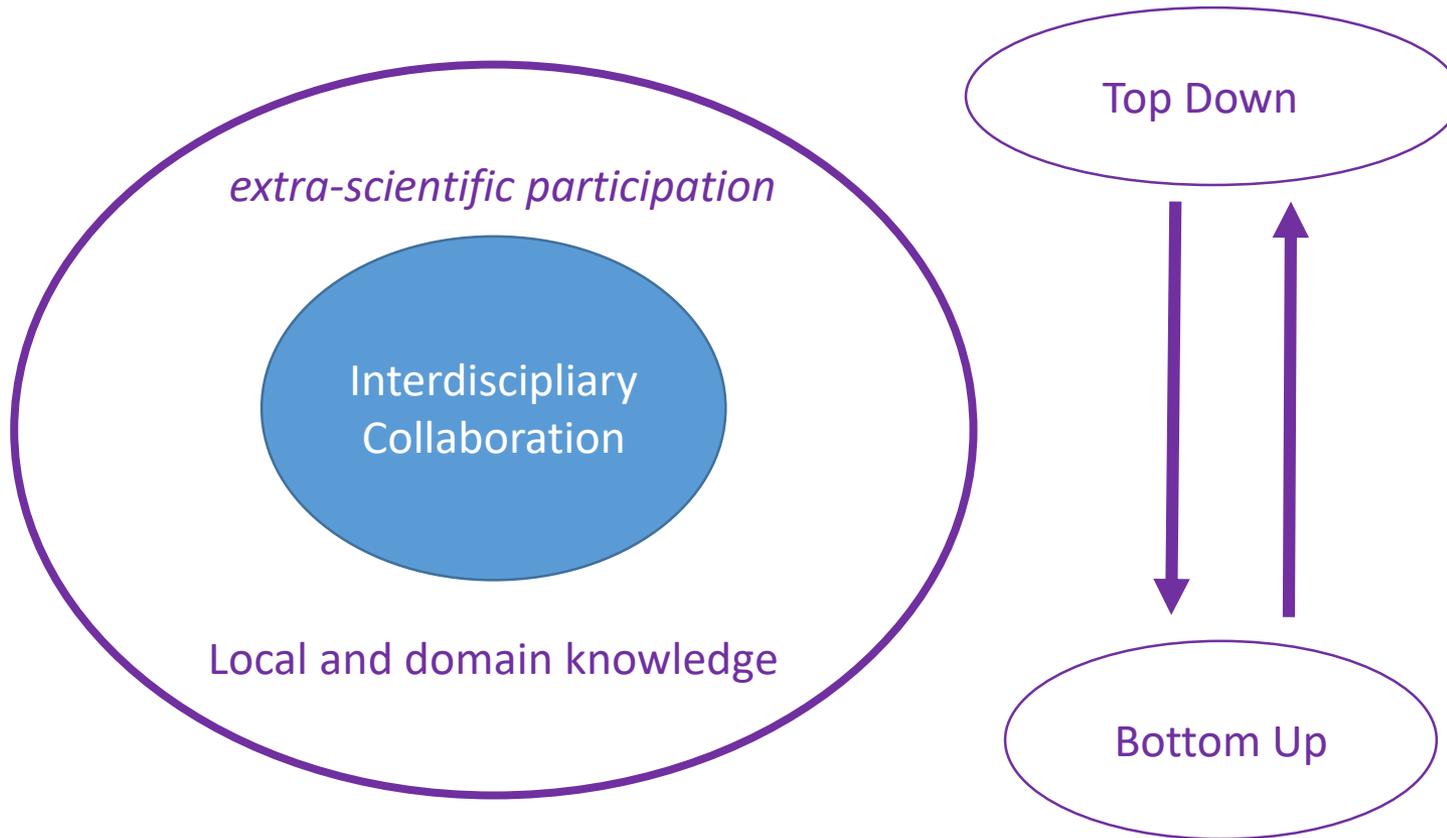
THEREFORE

A **narrative** is a storyline structured with specific actors and their roles



knowledge coordination

by overcoming disciplinary boundaries and taking on board local and domain knowledge



common meaning and solution finding

valuing and integrating stakeholders' needs, decision making contexts, and interests at stake

Why is it difficult to achieve a transdisciplinary process?

“In the temple of science are many mansions, and various indeed are they that dwell therein and the motives that have led them thither.

Many take to science out of a joyful sense of superior intellectual **power...**

one of the strongest motives that leads men to art and science is escape from **everyday life**” *Albert Einstein*

- A transdisciplinary process aims at an inclusive and flexible collaboration, without predetermined hierarchies and power impositions
- “Transdisciplinarity, more than a new discipline or super-discipline is, actually, a different manner of seeing the world, more systemic and more holistic.” *Max-Neef, 2005*
- “Transdisciplinairty is a **research approach**, not a theory, methodology or institution” *Jahn et al., 2012*

Is there a hope?

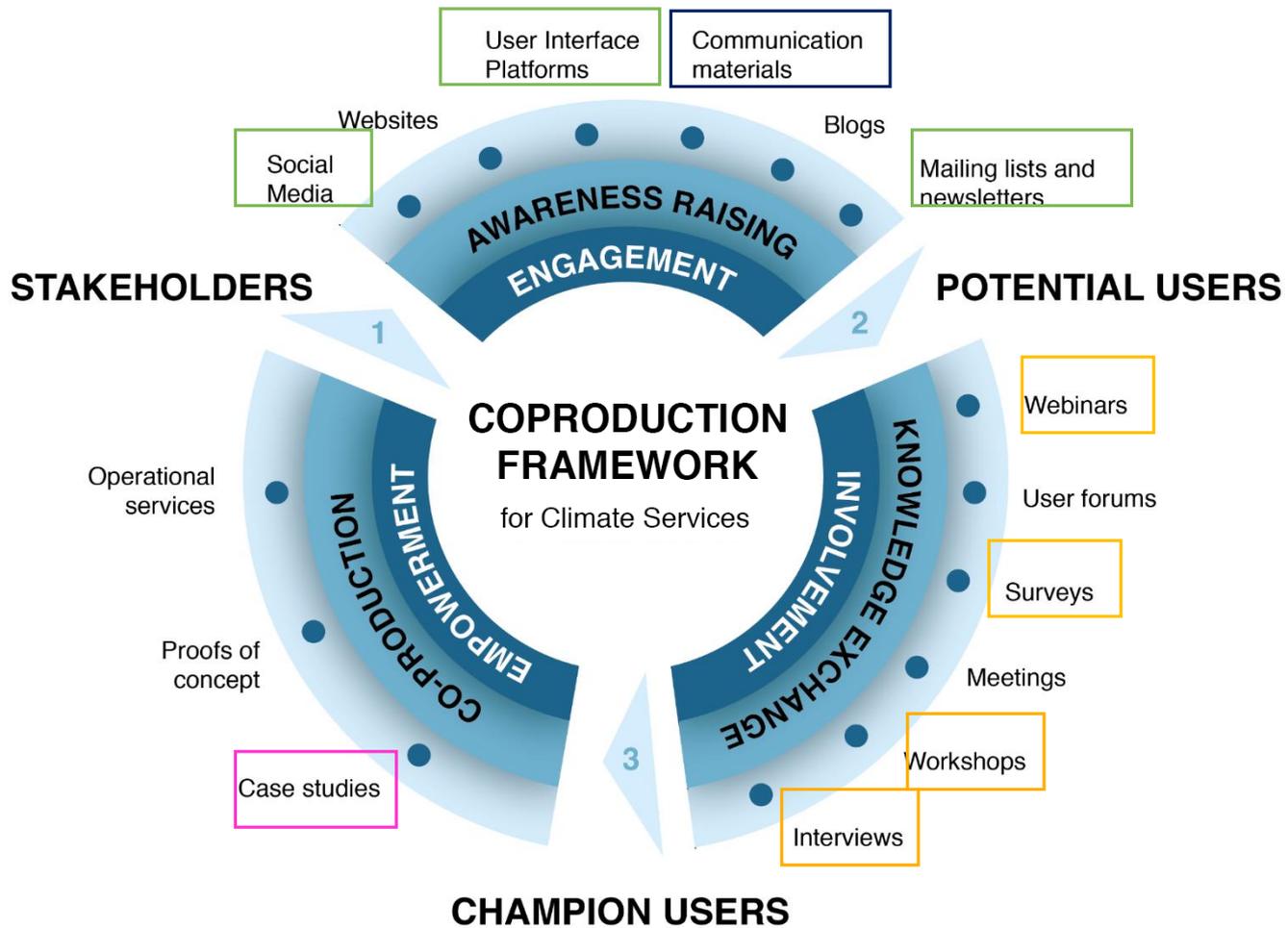
1. Which activity would you prioritise in order to strengthen the linkages between the climate modelling and climate services communities (single choice)?



Results from the Climateurope webstival's poll (with \approx 100 participants)

How concepts from social sciences help here?

Coproduction is “a complex meeting place where several **different academic traditions** and **practices** converge, overlap, affect each other, come into conflict, or cooperate”
Bremer and Meisch, 2017



Thank You!

dragana.bojovic@bsc.es



**Barcelona
Supercomputing
Center**

Centro Nacional de Supercomputación