

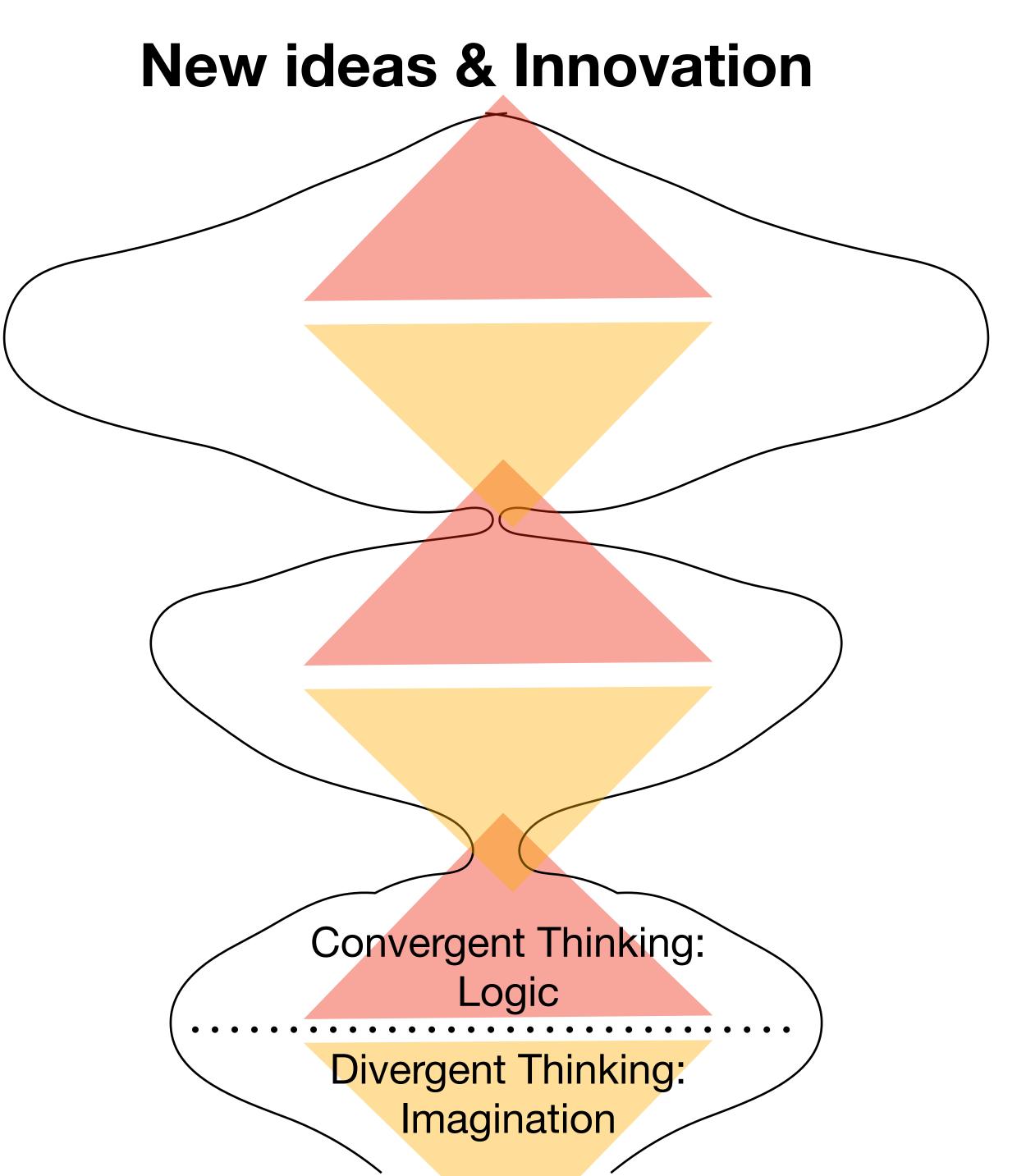
Multi-team systems: Researchers are part of many teams tackling the same problem or pursuing the same goal - often in hybrid collaborations (often virtual).

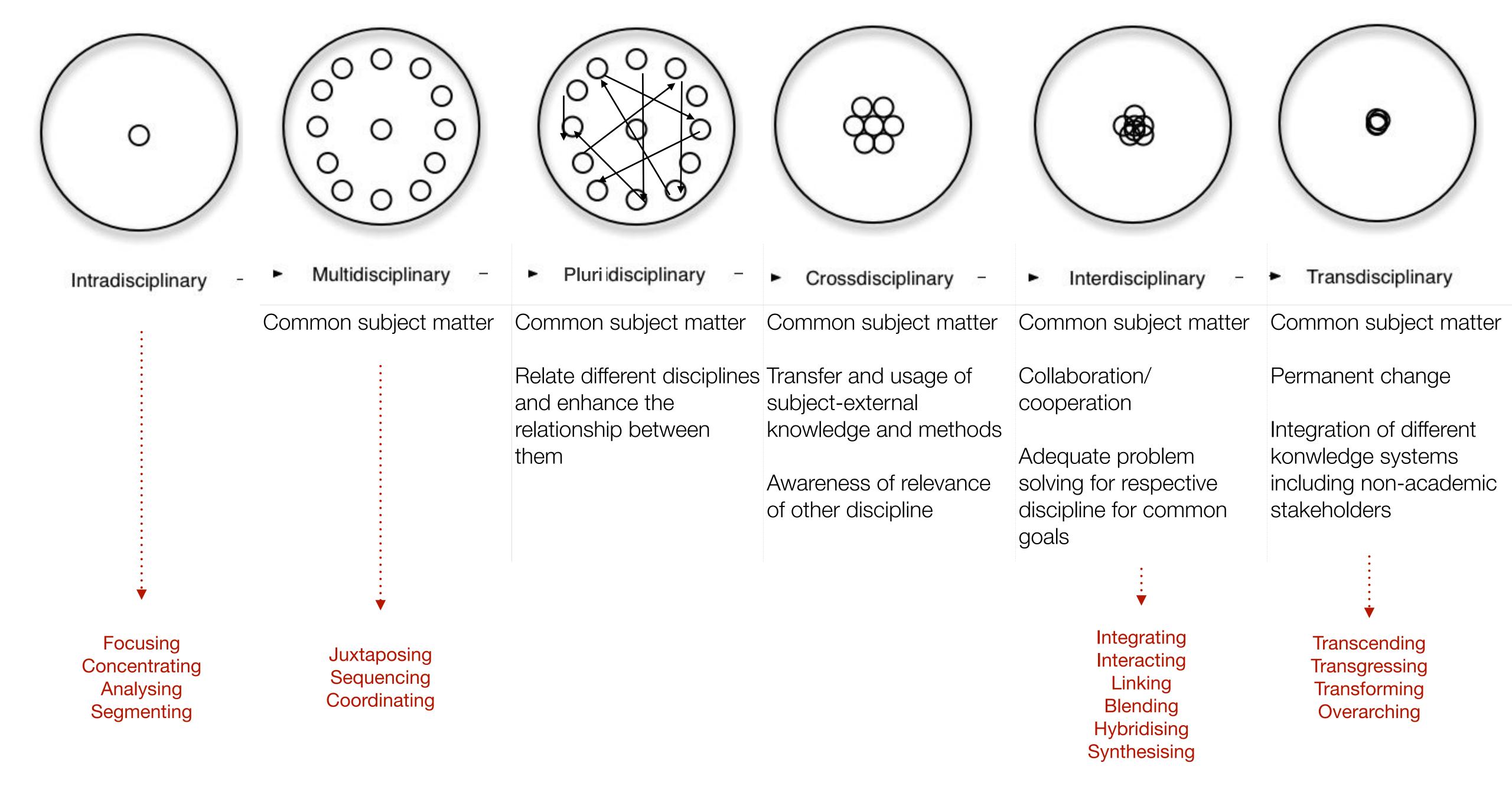
The research on scientific teams show us that teams often underperform, especially when there is a lack of team cohesion.

e.g. Shuffler, M.L., Salas, E., & Rico, R. (2014). Pushing the boundaries: Multiteam systems in research & practice. Research on Managing Groups and Teams Book Series, Emerald Publishing.

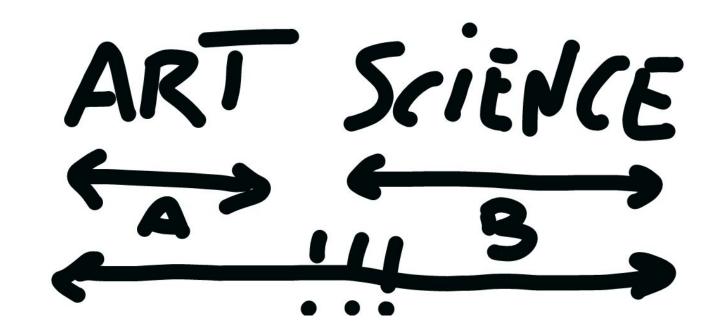
Creativity: What is it, anyway?

Creativity is embedded in and influenced by social interactions with others and *the Other* (e.g., Amabile, 1983, Woodman et al. 1993).



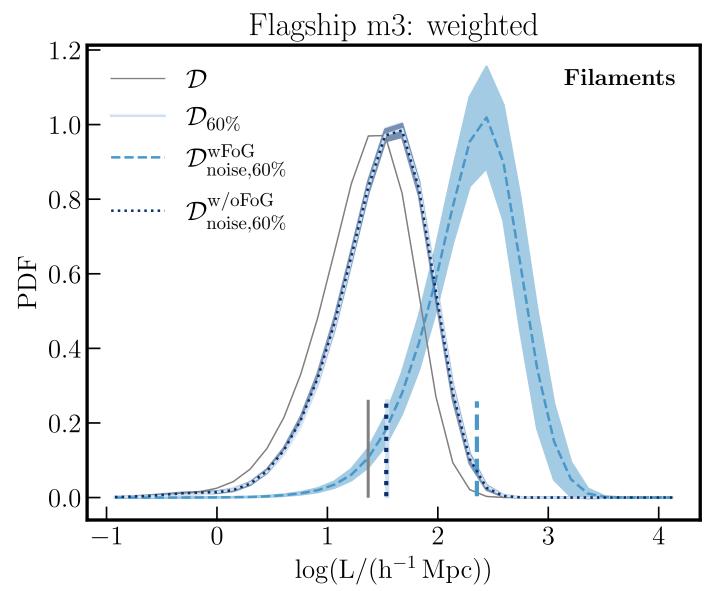


e.g., see Kuchner, U. 2022 for a summary applied to ArtScience— Writing Visual Culture Vol 10; Klein J. T. and Roessner D., Commitee on Key Challenge Areas for Convergence and Health. Definition Document 2013









ART

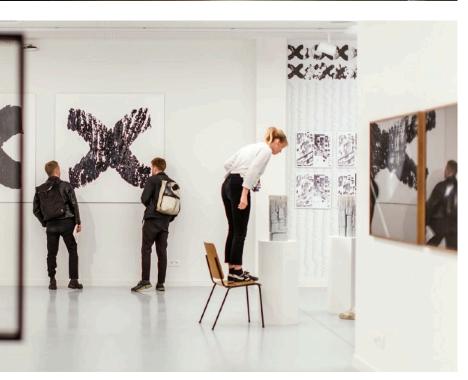
THEORY: SOCIAL SCIENCE

SCIENCE

PRACTICE: ENABLING STRUCTURES

collective of several hundred artists, scientists, engineers and educators: co-creation and hacking ethos









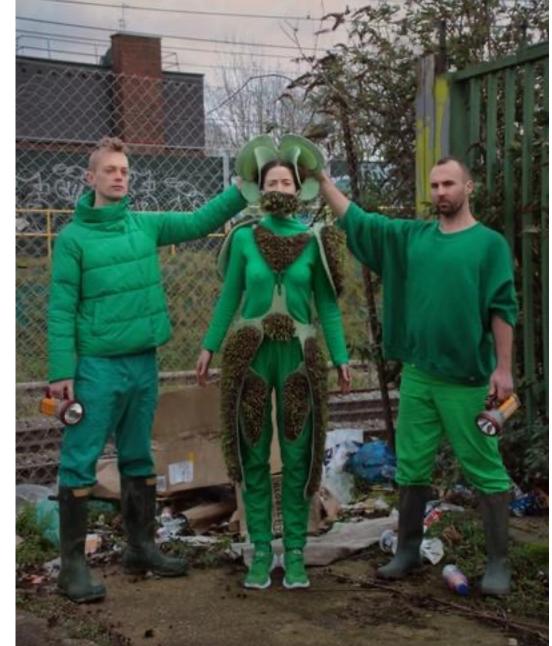


















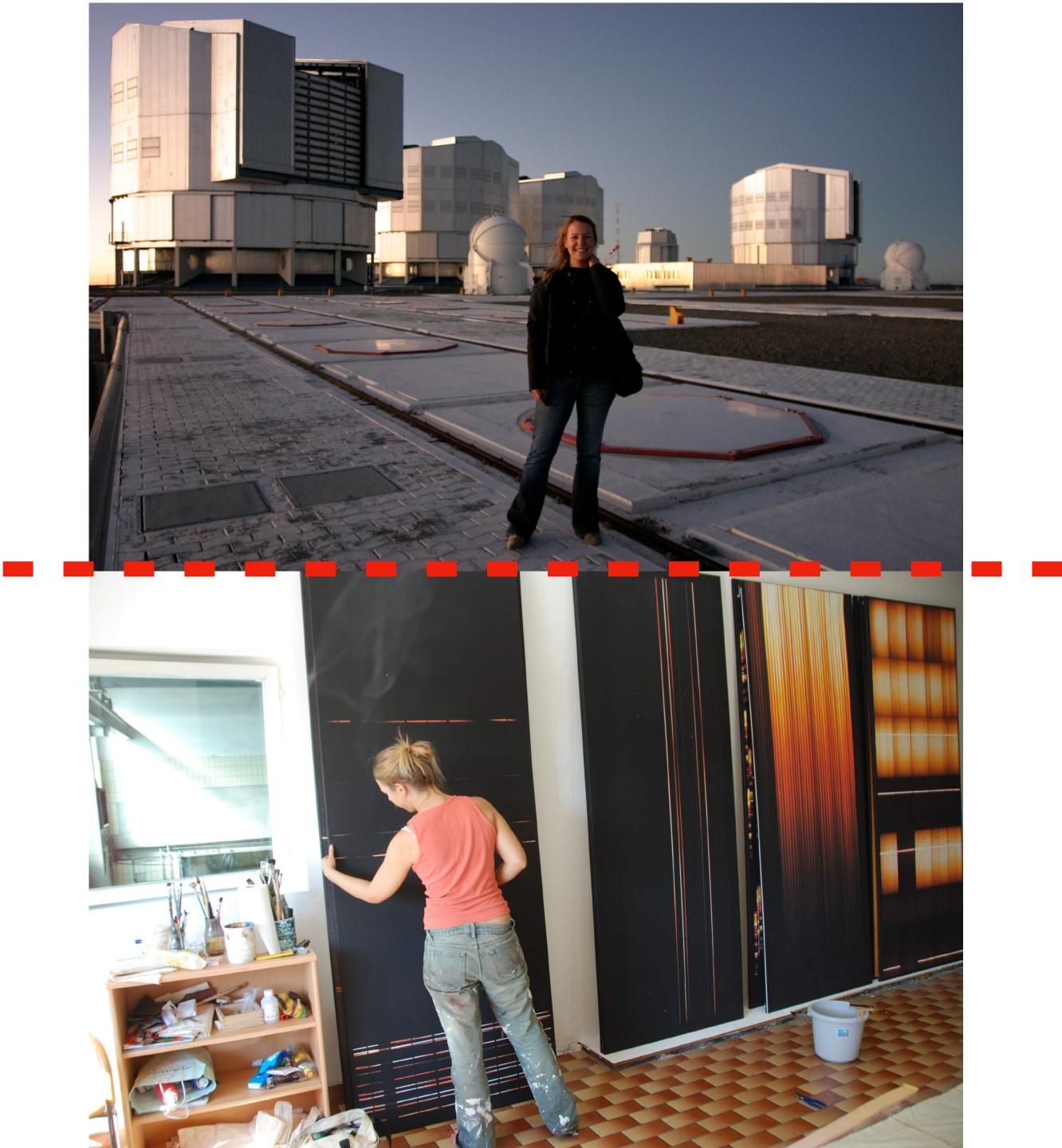






CO-CREATION

Storytelling • reiterate
Seek out diversity • craft it
Start straightaway • no endless talking
Radical equality • guard it
Culture of trust • no fear of failure
Leadership • fluid



Who is doing inter- and transdisciplinary research, and why? An empirical study of motivations, attitudes, skills, and behaviours

Maria Helena Guimarães a $\stackrel{\square}{\sim}$ $\stackrel{\square}{\sim}$ Christian Pohl b $\stackrel{\square}{\bowtie}$, Olivia Bina c d $\stackrel{\square}{\bowtie}$, Marta Varanda e $\stackrel{\square}{\bowtie}$

Review of the behaviours and the challenges of inter- and transdisciplinary individuals.

Topics	Title
Behaviors	RISK TAKERS
	TRANGRESSION
	PRACTICAL
Challenges	SOLID DISCIPLINARY BACKGROUND
	RECOGNITION FIRST

Review of the characterization of inter- and transdisciplinary individuals.

Topics	Title
Motivation	ETHIC
	REWARDS
	REAL-WORLD PROBLEMS
	FULFILMENT
Attitudes and skills of individuals	OPENNESS
	TOLERANCE
	REFLEXIVITY
	MODEST POSITIONALITY
	CREATIVITY
	CURIOSITY
	FACILITATOR
	INTEGRATION AND COMPLEXITY
	AWARE
	CRITICAL THINKING
Attitudes and skills of teams	TEAM MANAGEMENT
	FACILITATE COMMON LEARNING
	SOCIABILITY
	LEVEL HEADED
	CONFLICT RESOLUTION

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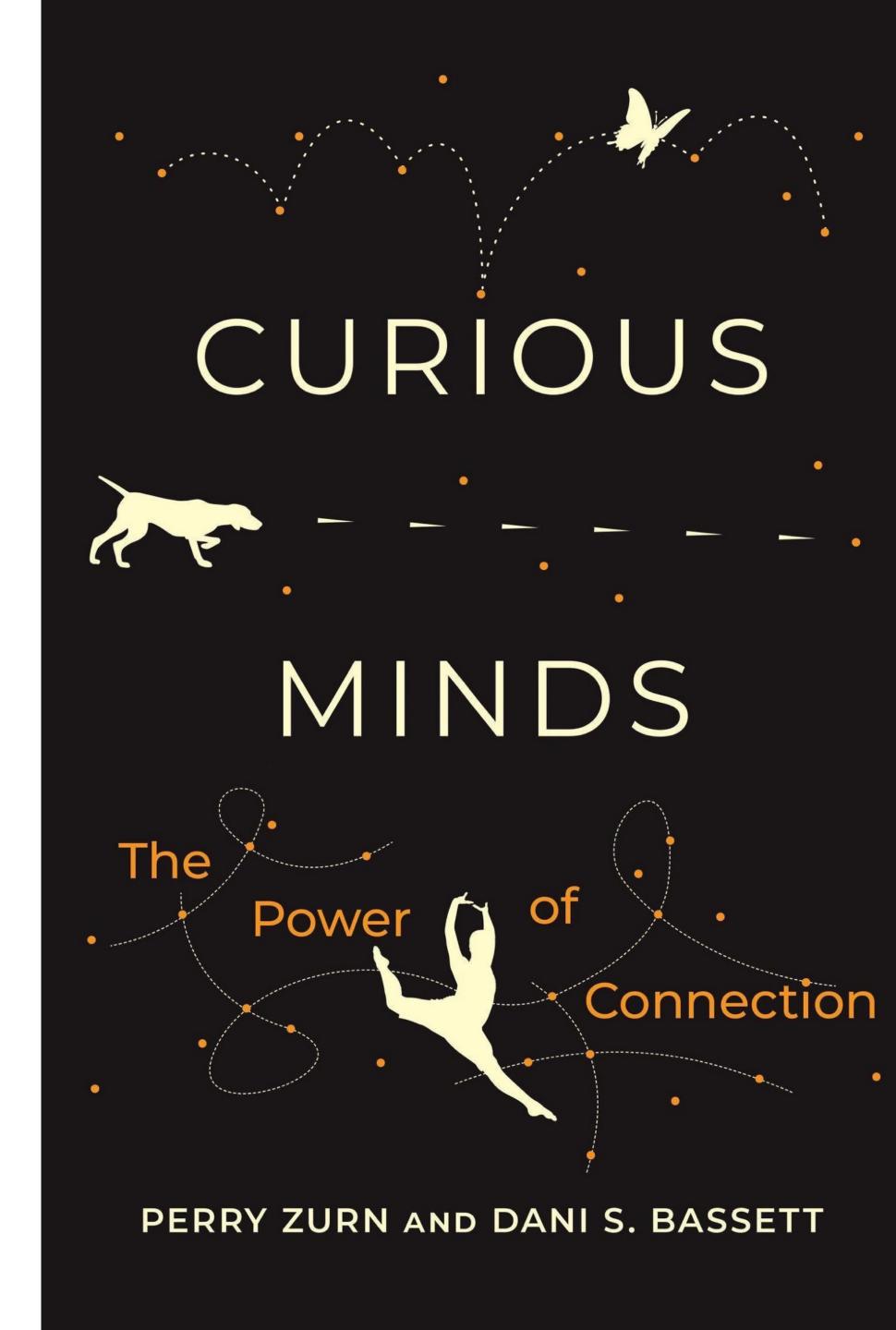
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Curiosity: What is it, anyway?

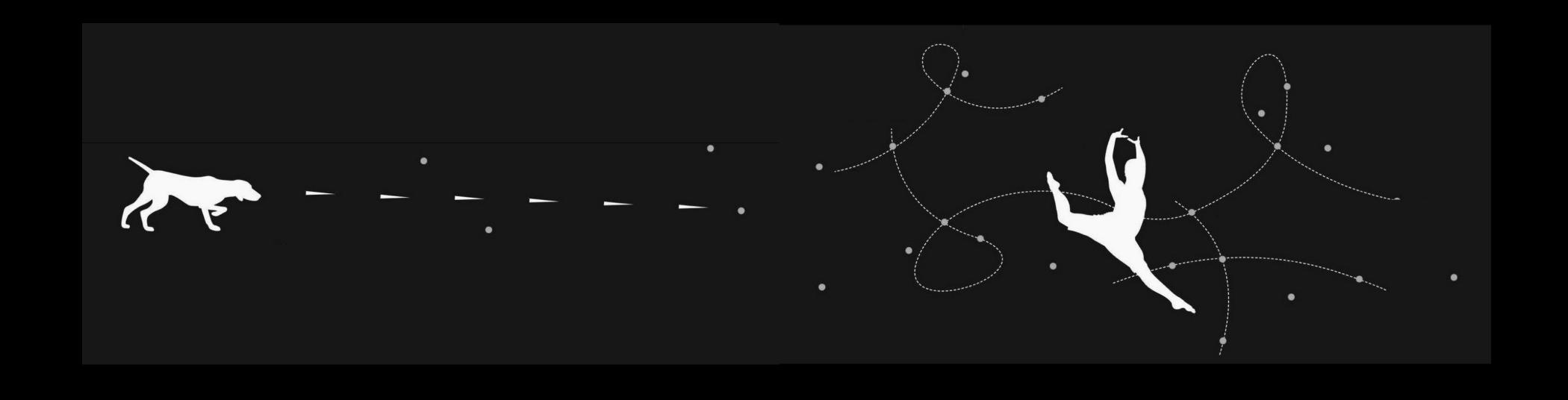
Historical definition: desire or motivation to acquire new information. In contemporary psychology: Motivation to fill an information gap.

Curiosity as a phenomenon of networks - as a type of "edgework" (generative, creating new connections) rather than "acquisition" (of individuals gathering facts).

Types of curiosity, three different ways people navigate knowledge networks: Butterfly, Hunter, Dancer



THE ARTSCIENCE PROCESS hunter & dancer



HOW CAN ART AND SCIENCE CO-STIMULATE PROGRESS?

When your only tool is a hammer, everything looks like a nail.

INVEST IN YOUR SPECULATIVE LONG-TERM ACTIVITY.

You often don't know for a long time whether it is working.

But it can be hard to tell in the moment if something is not working or not working yet.

Don't get distracted by the deception phase.

Fail fast. The door rarely closes.

What is your learning edge? Where are you growing?

DR ULRIKE KUCHNER, MFA

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