

Navigating uncertainty with confidence: Competencies for Future Innovators and Entrepreneurs



INTEGRATED INTERDISCIPLINARY EDUCATION MODULE ON ART,
ENTREPRENEURSHIP, INNOVATION AND SCIENCE

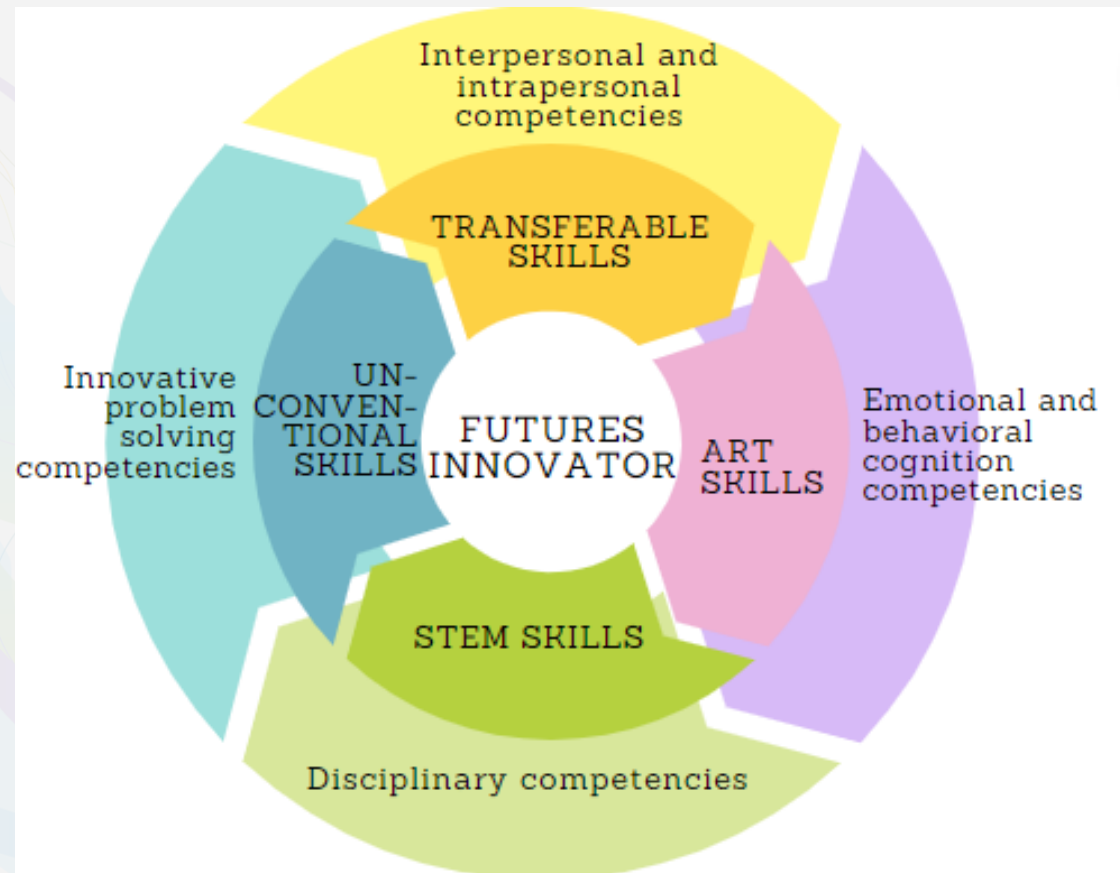


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Competencies for leading the transformative future



- **Future entrepreneur:** an antidisciplinary wrong thinking strangemaker focusing on reinventing the existing industries and create the new ones for sustainable future
- **don't fit** in any existing discipline either because they are between, or even beyond disciplines. They operate in ecosystems, where knowledge is not constrained into any existing traditional academic discipline, rather entirely entangled;
- by **disrupting established patterns** and algorithms of decision making, **operate beyond** their own preconceptions, predictable paths in order to imagine novel, disruptive, visionary, weird ideas;
- **acting differently** and solve problems under unknown challenges and complex dynamically changing uncertainties of the environment;
- **continuously trouble** existing assumptions, perspectives, and ways of being consequently discover new ways of perceiving and being in the world.

Research methodology

✓ **survey** was launched at the end of 2022 in seven European countries through an emailing campaign and social networks. **Questionnaire** aimed at evaluation of the importance of art-driven competencies and skills in business and education, For the skills evaluation we used 7 points Likert scales.

✓ We collected **123 responses** including 51 (42%) of them coming from industry/service professionals, 63 from university / academic professionals (51%), and 9 policy makers (7%), 14 countries.

The research design and organization:

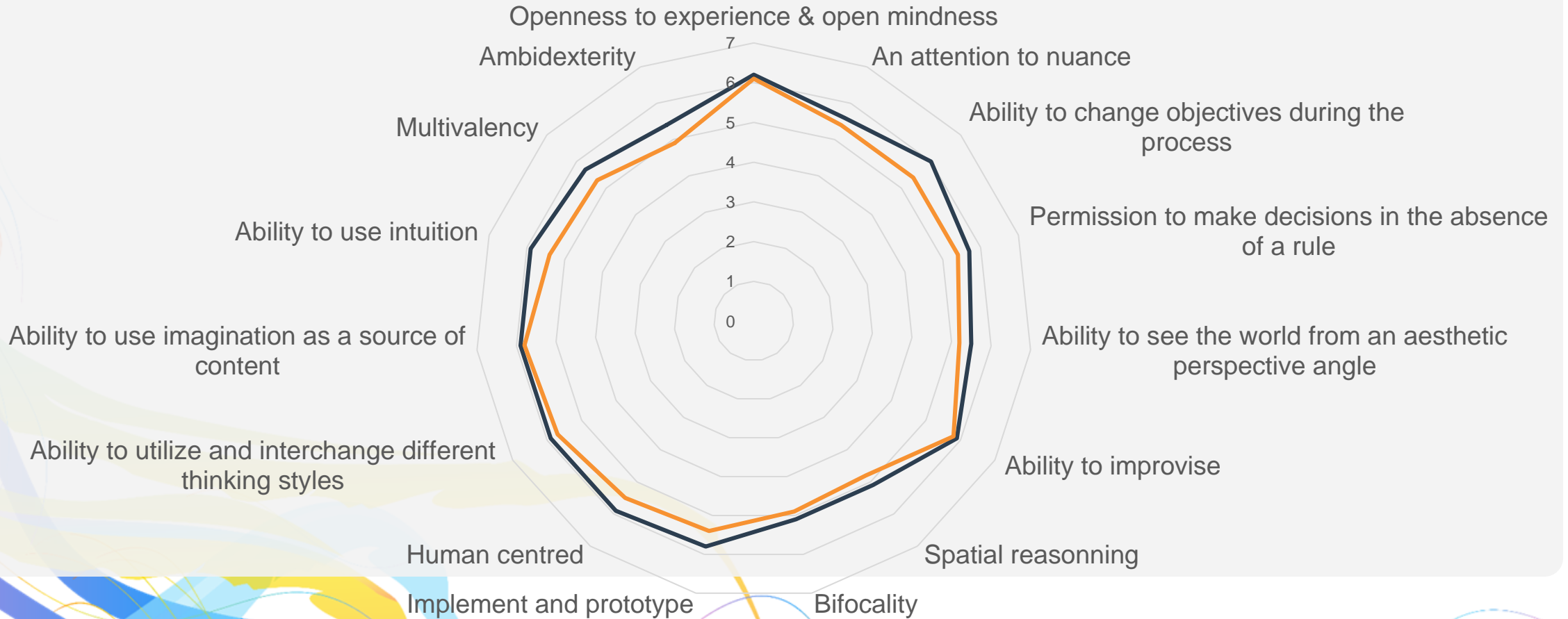
- literature review aiming at constructing a theoretical model for STEAM skills and competencies for entrepreneurship;
- Qualitative interviews, focus groups and experiments with ex ante and ex post interviews (4 rounds, 60 students and industry professionals).
- Validating the model on the survey based data.



some descriptives

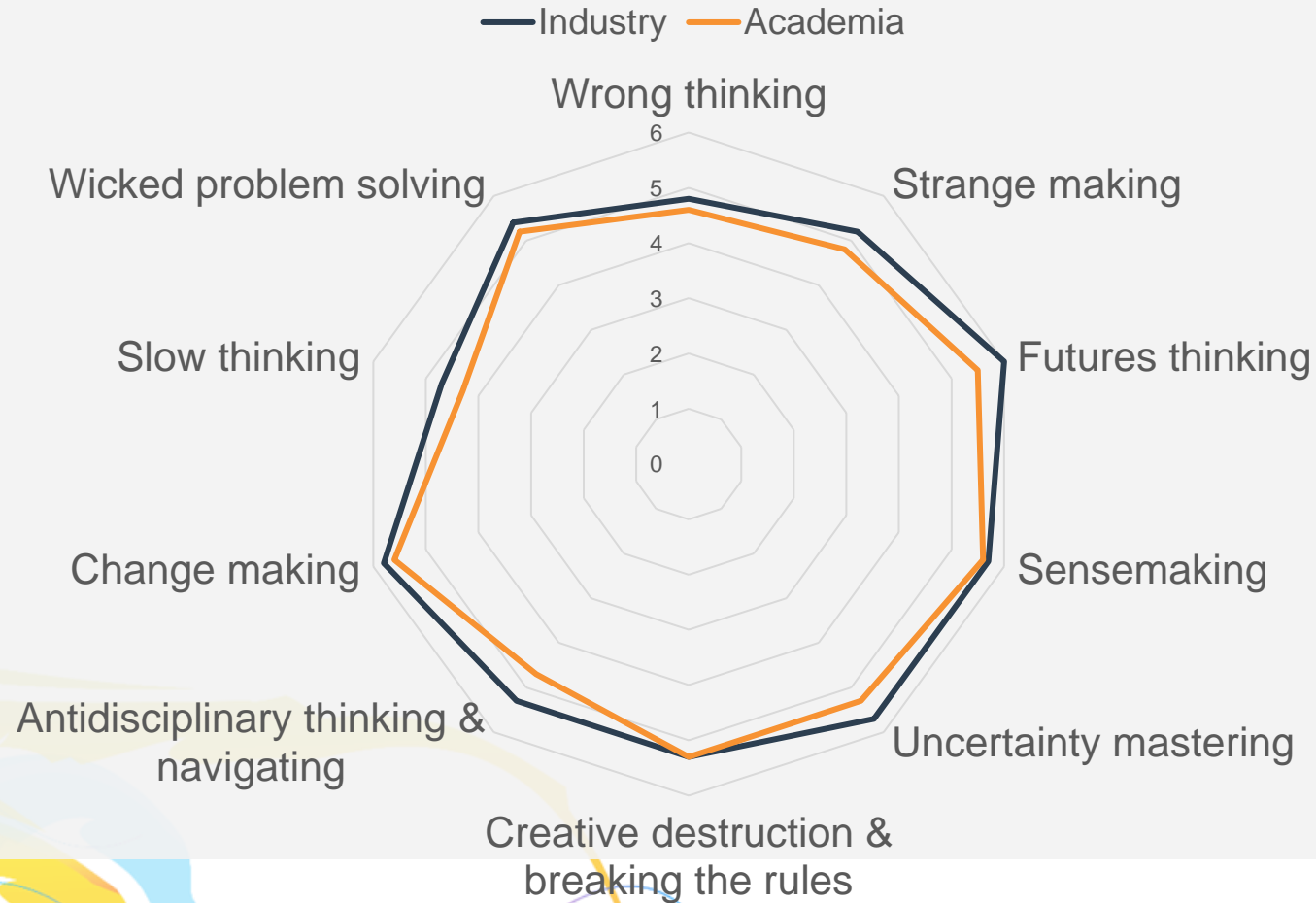
ARTISTIC SKILLS

— Industry — Academia



some descriptives

UNCONVENTIONAL SKILLS



Competence model for the future innovator

Leadership focuses on cultivating entrepreneurial and managerial capabilities essential for leading innovative initiatives and navigating rapidly changing landscapes.

Interpersonal Mastery aims to enhance self-management and social awareness, fostering effective collaboration and strong team dynamics.

Versatile Agility emphasizes the ability to adapt swiftly to changes, make autonomous decisions, and prototype solutions in uncertain contexts.

Holistic Perspective promotes an interconnected view, integrating diverse ways of thinking to address complex challenges innovatively.

Emotional and Innovative Cognition drives creativity, critical thinking, and adaptability, ensuring that approaches are both human-centered and impactful.

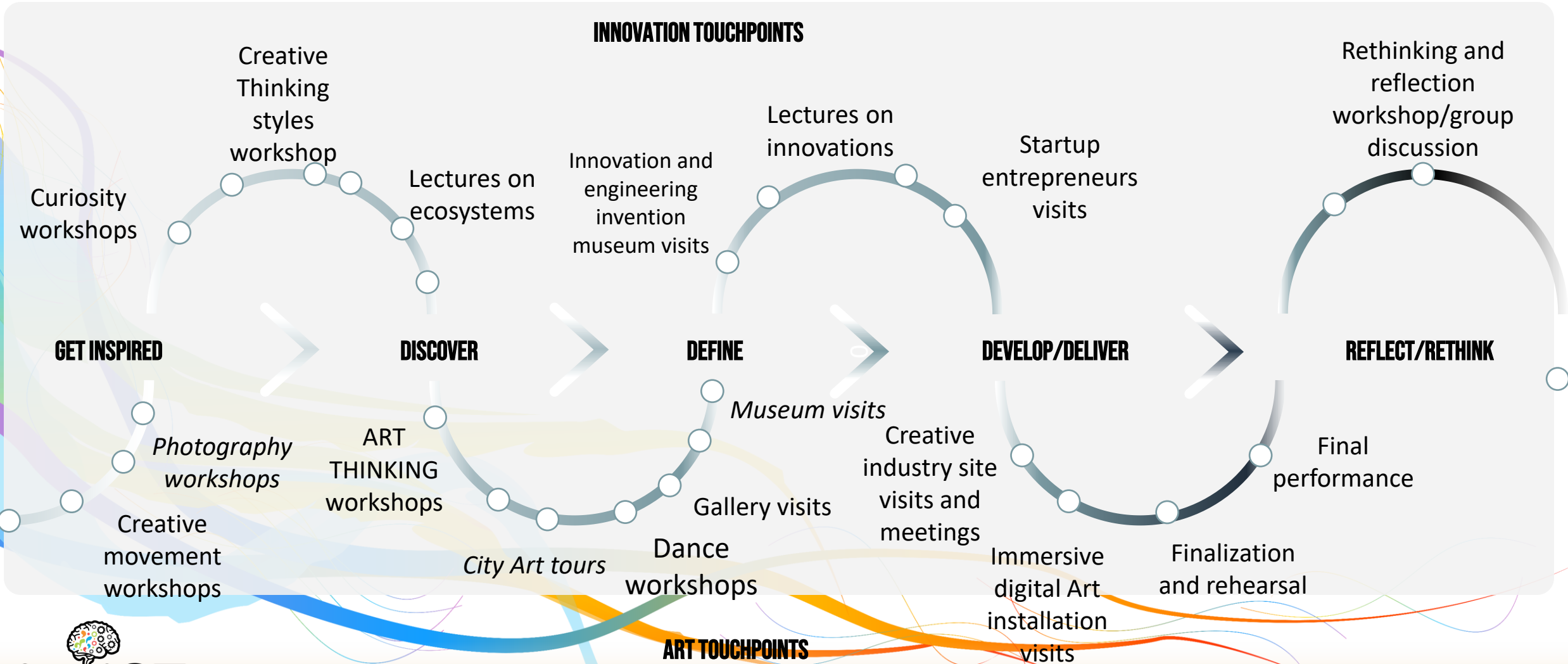
Disruptive Boldness encourages challenging existing norms and embracing unconventional thinking to drive breakthrough innovations.

Contemplative Reasoning focuses on deep, reflective thinking and solving complex, systemic problems through thoughtful innovation.

Strategic Foresight equips innovators with the ability to anticipate and navigate future challenges, fostering long-term thinking, sensemaking, and adaptability in the face of uncertainty.



EDUCATIONAL FIELD EXPERIMENT DESIGN





Thank you!

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