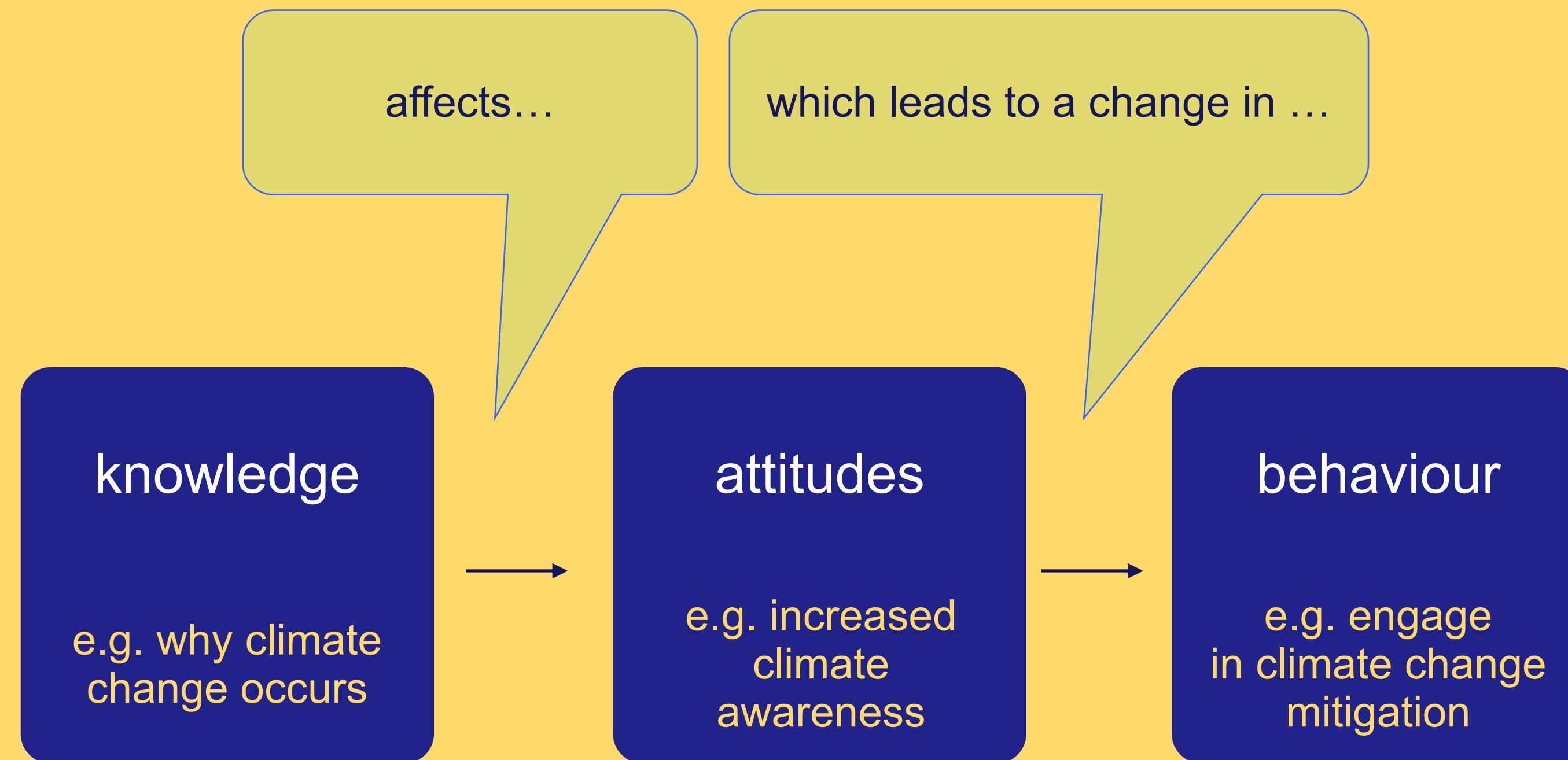


4. Overview of Educational approaches



Knowledge - Attitudes - Behaviour



Importance of Motivation: Self-Determination Theory

Types of Motivation

- Autonomous
- Extrinsic
- Amotivation

Autonomous Motivation-Enhancing Educational Approach

- Autonomy of learner
- Relatedness
- Sense of competence

Education for Sustainability & Climate Change Education

Educational approaches and traditions

- Fact-based
- Normative
- Pluralistic

Borg, Gericke, Höglund, & Bergman (2012)
Mogensen & Schnack (2010);
Öhman & Östman (2019)
Sass et al. (2023);
Sinakou et al. (2019);
Varela-Losada et al. (2016)

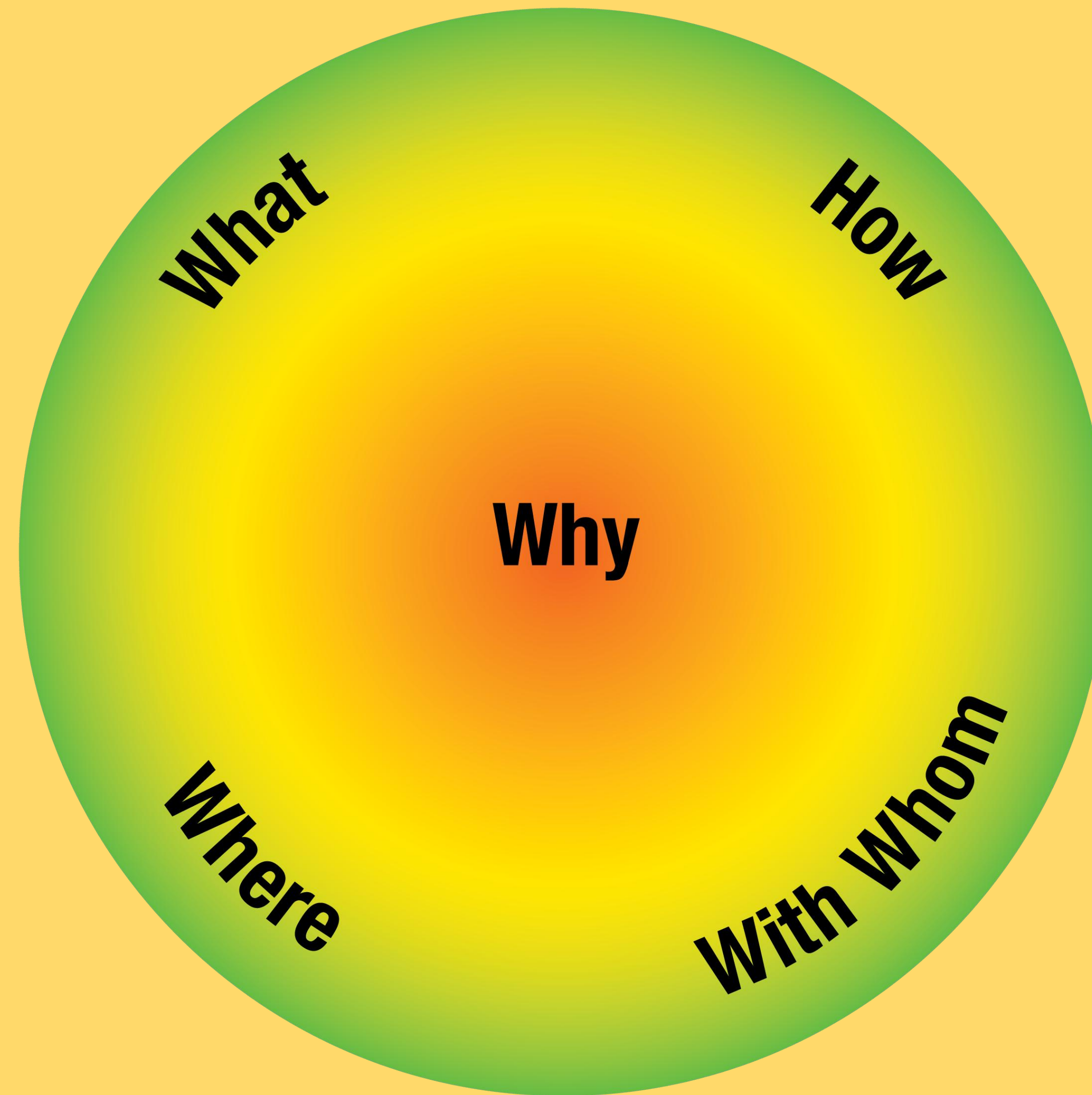
Pluralistic tradition

- Holistic: system thinking, cross-curricular, interdisciplinary
- Participatory: shared decisions on what and how to learn
- Pluralistic: engaging with different perspectives
- Action-oriented: learning in, through, and for (global/local) community, transdisciplinary

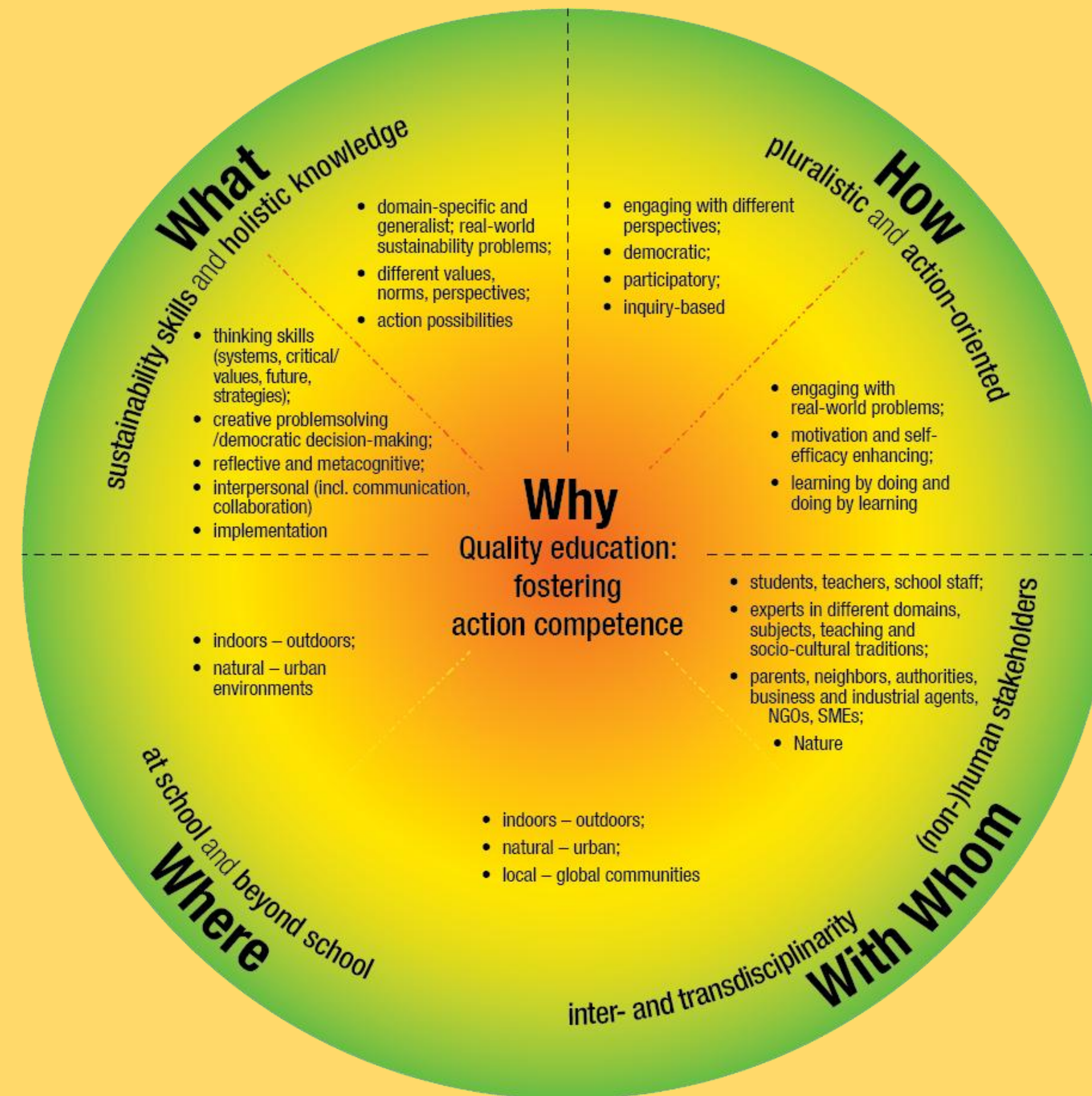
Learning outcomes

- Action competence: relevant knowledge and skill acquisition, willingness to contribute, confidence in own capacities and in impact of action

Quality Education for Sustainability Teaching (QUEST)



Quality Education for Sustainability Teaching (QUEST)



Emotion-sensitive Climate Change Education

Mogensen & Schnack (2010);
Sass et al. (2023; 2025);
Sinakou et al. (2019);
Varela-Losada et al. (2016)
Veijonaho et al. (2025);
Wullenkord & Ojala (2023)

Educational approach

- Holistic: system thinking, cross-curricular
- Participatory: shared decisions on what and how to learn
- Pluralistic: engaging with different perspectives
- Action-oriented: learning in and for (global/local) community
- Emotion-sensitive: acknowledging and engaging with CC emotions
- Attention to emotion-coping strategies: emotion-focused, meaning-focused, problem-focused

Learning outcomes

- Action competence: relevant knowledge and skill acquisition, willingness to contribute, confidence in own capacities and in impact of action
- Constructive hope: trust in collective problem-solving while acknowledging complexity of CC issues
- Resilience, effective coping strategies