



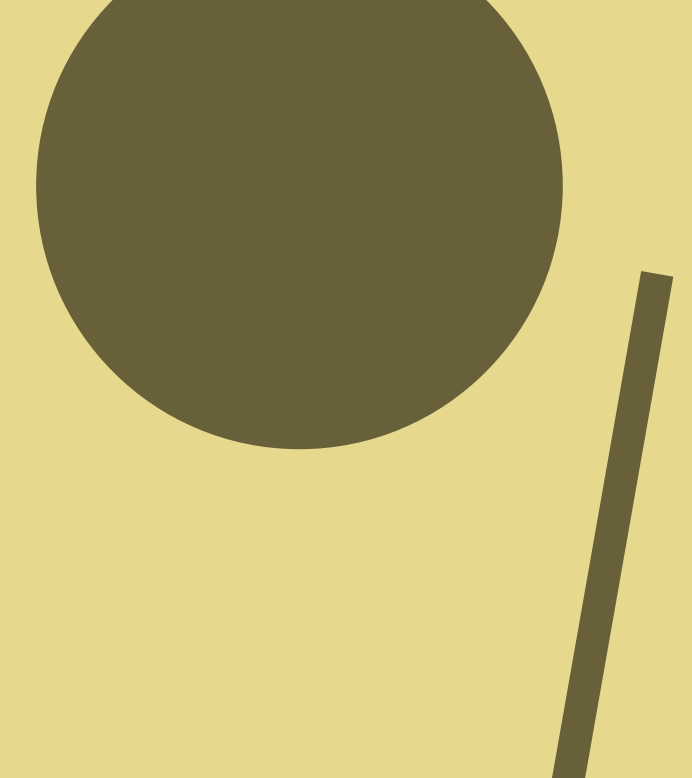
Marjanneke Vijge
Julia Tschersich

Boundary Crossing (BC)
through Transdisciplinary
Challenge-Based
Learning:
*The CHARM-EU
Capstone Experience*

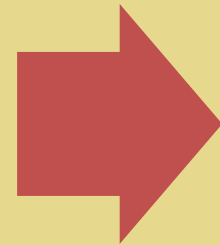
Silvia Gallagher
Jake Byrne
Unnikrishnan Madhavan



The CHARM Initiative



Joint European Degree



Pilot- Master's in
Global Challenges for
Sustainability is a joint
European degree



Emphasises
transdisciplinarity and
challenge-based
learning to solve
societal challenges



Offered by five
transnational
universities

CHARM-EU



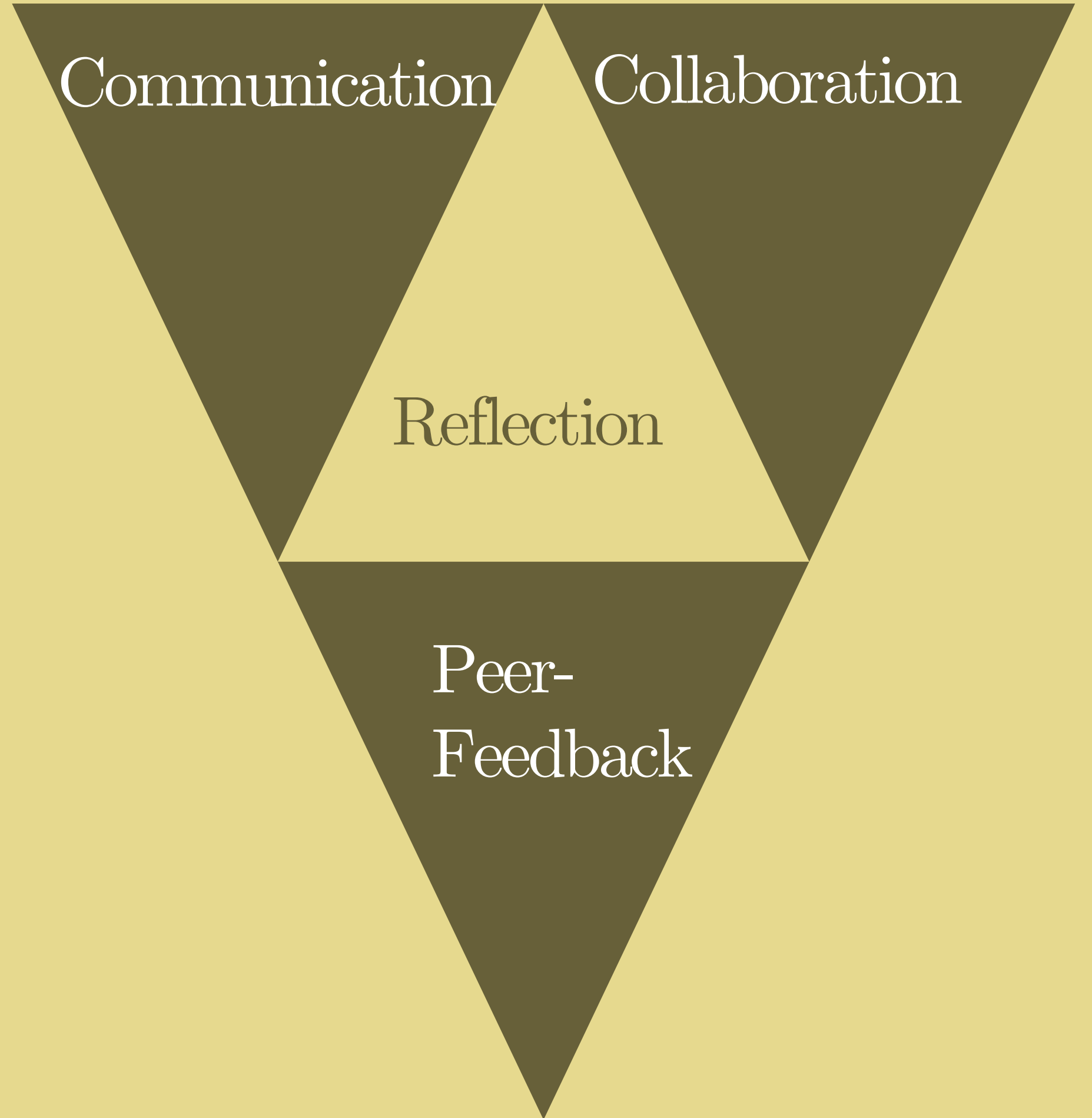
CHallenge-driven
Accessible
Research-based
Mobile
European
University



CHARM:

Key BC

Competencies



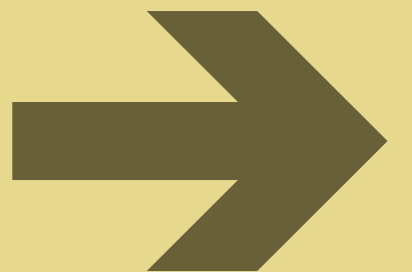


Features of BC



Transnational & Multi-disciplinary

The Capstone module engaged staff and students from five universities across multiple disciplines






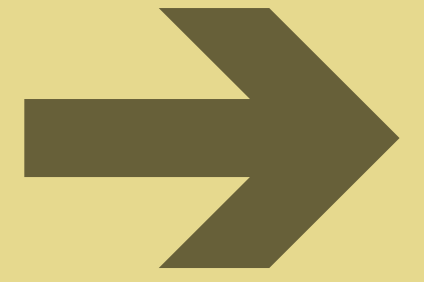
Features of BC



Academic & Extra-academic Stakeholders



Diverse stakeholders including Businesses,
NGOs, inter-governmental organisations and
academics





Features of BC



International scope

Students conducted fieldwork in 5 European

and 2 African countries, promoting intercultural

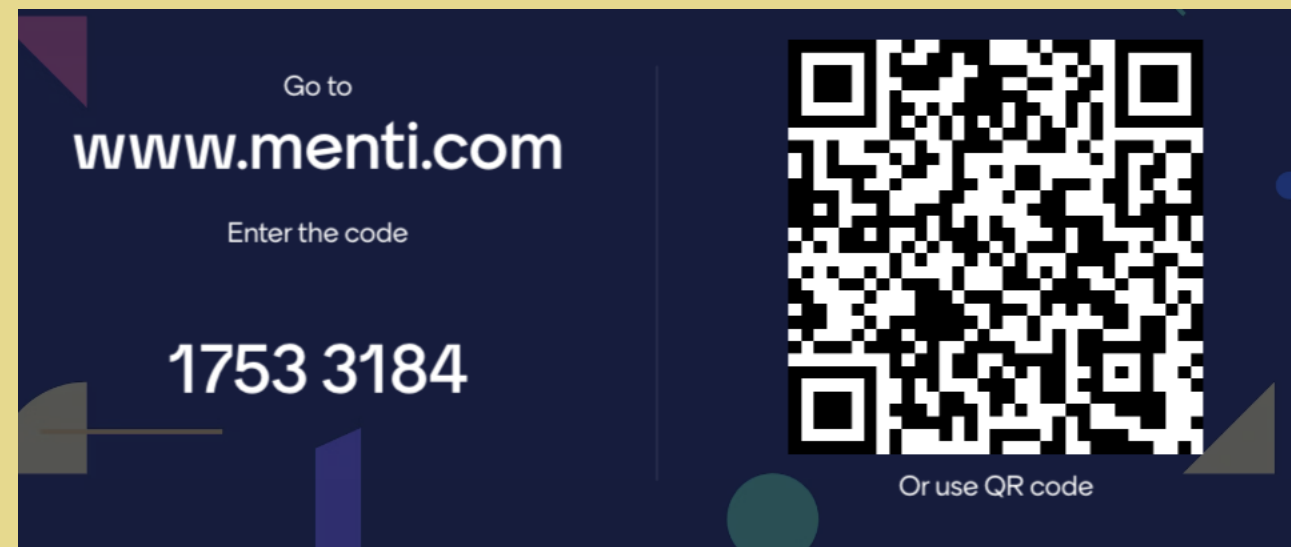
experiences and evolving from European

citizenship to global citizenship



Let's Discuss Together

What does transdisciplinarity mean in
your practice or from prior experience?



Inter-, transdisciplinarity & BC in Education- Significance

Transdisciplinary challenge-based learning is:

- pivotal in facilitating boundary-crossing
- fostering collaboration between academia and external stakeholders.



Our approach is designed to emphasize boundary crossing at all stages, from design to implementation and final outputs

Capstone Evaluation and Stakeholder Feedback

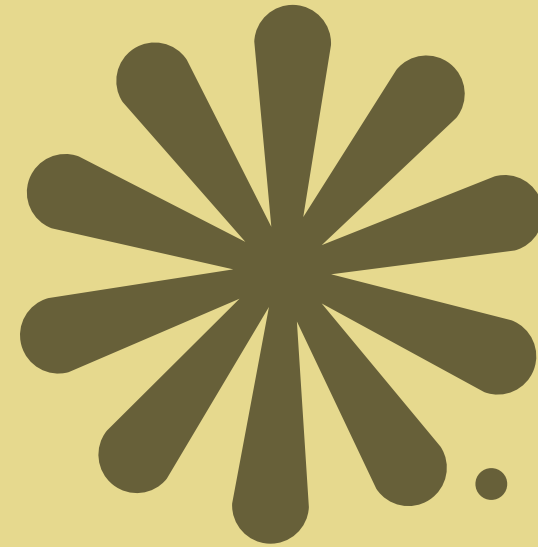
Survey results,
65 students and 20 (co-)
supervisors
& Focus groups-Students
Teaching staff
Stakeholders

Practical output &
societal impact
through diverse
capstone products

Challenges and Lesson Learnt

Teacher

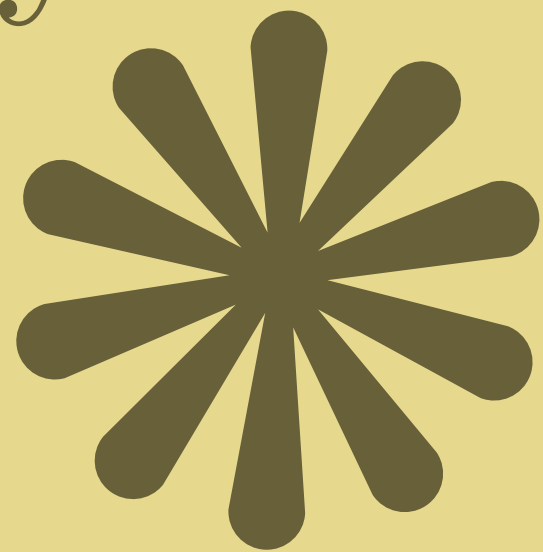
- Further professional development
- Reinforcing & further democratising learning outcomes
- Assessments of academic and Non-academic skills



Student

- Expectation management
- Stakeholder communication

Originality & Novelty of Approach



Accreditation: The CHARM-EU Master's is the first to be fully accredited by a European Universities Initiative.

Transdisciplinarity

Inter-institutional
Alliance

Boundary
Crossing

Challenge Based
Learning