

# The Living Lab at Plymouth: from campus to city



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# Education for Sustainable Development Goals (SDGs)



## SUSTAINABLE DEVELOPMENT GOALS



# Living learning spaces for competency development

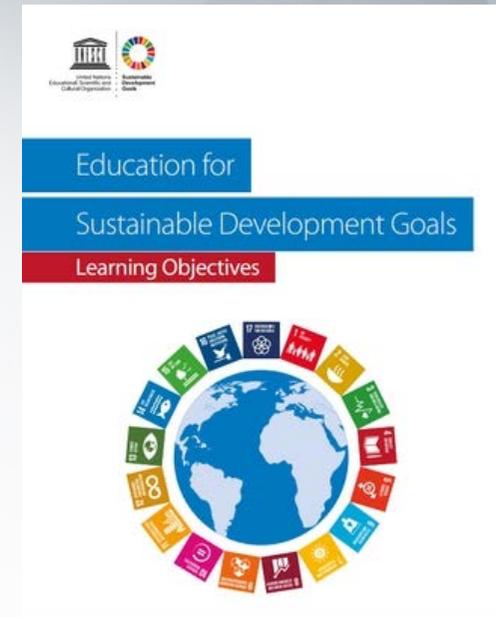


ESD promotes key competencies needed for achieving the SDGs.

- Systems thinking competence
- Anticipatory competence
- Interdisciplinary working competence
- Interpersonal competence
- Resilience competence
- Creative problem-solving competence

ESD needs new learning spaces to develop these competencies

- A learner-centred approach
- Action-oriented learning
- Transformative learning



UNESCO (2017):  
Education for Sustainable  
Development Goals.  
Learning Objectives.  
Paris: UNESCO.  
<http://unesdoc.unesco.org/images/0024/002474/247444e.pdf> (Lead authors:  
Marco Rieckmann, Lisa  
Mindt, Senan Gardiner)

# The need for engaged learning



## Psychopathologies of place?

Alienation

Placelessness

‘fouling your own nest’



# Re-connecting our students through the living lab approach?



## Sense of Place

complex connection between people (individually or collectively) and places or landscapes which goes beyond the merely material and functional to consider the affective and existential

## Place Attachment

A positive ‘Sense of place’ resulting in a close bond with, or love of, a particular place – likely to result in positive action to preserve or enhance that place

# Living Lab as engaged learning



## Developing an alternative approach?

“not simply a way to integrate the curriculum around a study of place, but a means of inspiring stewardship and an authentic renewal and revitalization of civic life”

(Zane-Jucker 2005 piii)



# Creating a physical 'Living Lab' on campus

## The Sustainability Hub – coming soon



The Hub will house the University's research (SEI) and teaching and learning (CSF) services for sustainability support.

The Centre for Sustainable Futures is a dynamic community of practice made up of staff, students, alumni and community partners. It serves as a centre of expertise for sustainability teaching and learning across all faculties. Its collective aim being to provide students with apt and engaged sustainability education.

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To find out more visit

[www.plymouth.ac.uk/your-university/sustainability/sustainability-education](http://www.plymouth.ac.uk/your-university/sustainability/sustainability-education)



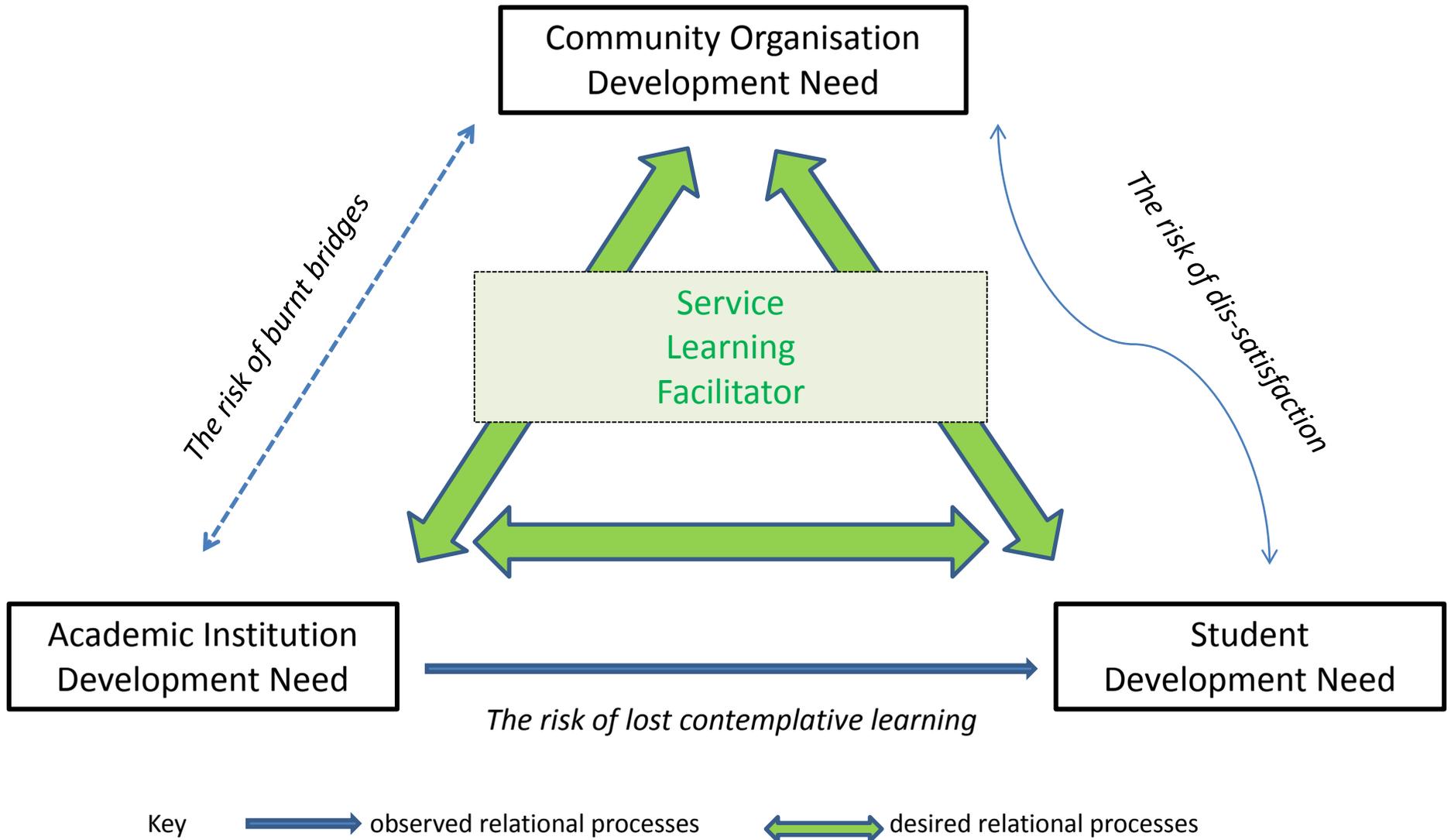
# Sustainable Education in motion

The process of equipping students with the knowledge and understanding, skills and attributes needed to work and live in a way that safeguards environmental, social and economic wellbeing, both in the present and for future generations.

QAA 2014:5



# Implementation dilemma in effective engaged learning – the need for a new staffing model in HE?



# Providing students with a conceptual scaffolding for engaged learning



## Plymouth University Compass

While you're at Plymouth, we hope you'll gain more than just your degree.

The Plymouth University Compass helps you to navigate your way through your whole university experience, in both your taught curriculum and your extra-curricular activities.

What you learn at university prepares you for more than a career, so the Compass identifies key attributes in four broad areas of your life – academic, civic, professional, and personal.

During your time here, you'll have plenty of opportunities to practice and develop these attributes, helping you gain experiences, improve skills, and build networks for your life beyond graduation.

The Compass also supports us, as a community, to coordinate our efforts to offer you as broad an education as possible. It clarifies what the University values and what it anticipates will help you, as a graduate, in a future that is hard to predict.

PLYMOUTH UNIVERSITY  
AND APPROACHES

### The Critical and Creative Learner

As a Plymouth graduate, you will be able to learn independently, explore new avenues with confidence, and think in a critical, creative, and enterprising manner, enabling you to function effectively in a complex and ever-changing society. There will be opportunities to develop and practice your:

1. Specialist subject knowledge and expertise
2. Critical thinking
3. Creativity and enterprise
4. Research skills and information literacy
5. Learning and study skills

### The Sustainable and Global Citizen

As a Plymouth graduate, you will be able to contribute to a more sustainable future as an informed, responsible, and active citizen, both locally and globally. There will be opportunities to develop and practice your:

1. Sustainability awareness
2. Systems thinking
3. Openness to cultural encounters
4. Responsibility
5. Change-leadership

### The Competent and Confident Professional

As a Plymouth graduate, you will be ready to play an active role in shaping a sustainable society and economy, understand the importance of managing your own career, and promote a positive work-life balance. There will be opportunities to develop and practice your:

1. Self-organisation and management
2. Team-work and collaboration
3. Professional and ethical manner
4. Negotiation and persuasion
5. Effective verbal and written communication

### The Resilient and Thriving Individual

As a Plymouth graduate, you will value and develop the wellbeing of yourself and others, and appreciate the role of evidence-based ways towards a flourishing life. There will be opportunities for you to:

1. Connect with others
2. Be active
3. Be empowered – you can make a difference
4. Keep learning
5. Give back in social and community life

EXPLORE  
DREAM  
DISCOVER  
WITH  
PLYMOUTH  
UNIVERSITY

# Points for discussion?



What are the ways your institution is developing this Living Lab opportunity for students?

What are the benefits and challenges of developing Living Labs?

What would you consider would be useful for this Community of Practice to provide you with to help you take this work forwards?