3-5 April 2019
Milan
Bangalore
Beijing
Cape Town
Curitiba
Mexico City

LeNS
The LeNS World
Distributed Conference

POLITECNICO
MILANO 1863
DIPARTIMENTO DI DESIGN

Cyprus
University of
Technology

ART+DESIGN
elearning lab

UNIDCOM|IADE

HUB
NICOSIA

Faculdade de Design,
Tecnologia e Comunicação
Universidade Europeia

Upscaling Local and National Experiences on Education for Social Design and Sustainability for All to a Wider International Arena: Considerations and Challenges

Ana Margarida Ferreira, UNIDCOM/IADE - EU, Portugal

Nicos Souleles, Art + Design: elearning lab - CUT, Cyprus
Stefania Savva, Art + Design: elearning lab - CUT, Cyprus

3-5 April 2019
Milan
Bangalore
Beijing
Cape Town
Curitiba
Mexico City

LeNS
The LeNS World
Distributed Conference

POLITECNICO
MILANO 1863

Cyprus
University of
Technology

ART+DESIGN
elearning lab ● ● ▲ ● ●

UNIDCOM|IADE

HUB
NICOSIA

Faculdade de Design,
Tecnologia e Comunicação
Universidade Europeia

SUSTAINABLE DEVELOPMENT EDUCATION

WHY?

Today we face environmental and social challenges, at regional and global levels, that we can ignore no more (Santos, 2017).

It is critical to foster Sustainable Development Goals across many Human endeavours and domains (United Nations, 2015)

Along with sustainable development research, education plays a critical and catalytic role in the formation of future leaders and in the creation of a social change mindset for a sustainable future (Souleles et al, 2017).

3-5 April 2019
Milan
Bangalore
Beijing
Cape Town
Curitiba
Mexico City

Le**N**S

The LeNS World
Distributed Conference

POLITECNICO
MILANO 1863

Cyprus
University of
Technology

ART+DESIGN
elearning lab ● ● ▲ ● ●

UNIDCOM|IADE

HUB
NICOSIA

Faculdade de Design,
Tecnologia e Comunicação
Universidade Europeia

LIS3ON
L—3
IS

ON

Case study
2016

FUNDAÇÃO
CALOUSTE GULBENKIAN

IADE ◄ID:CO.LAB
COLLABORATIVE RESEARCH
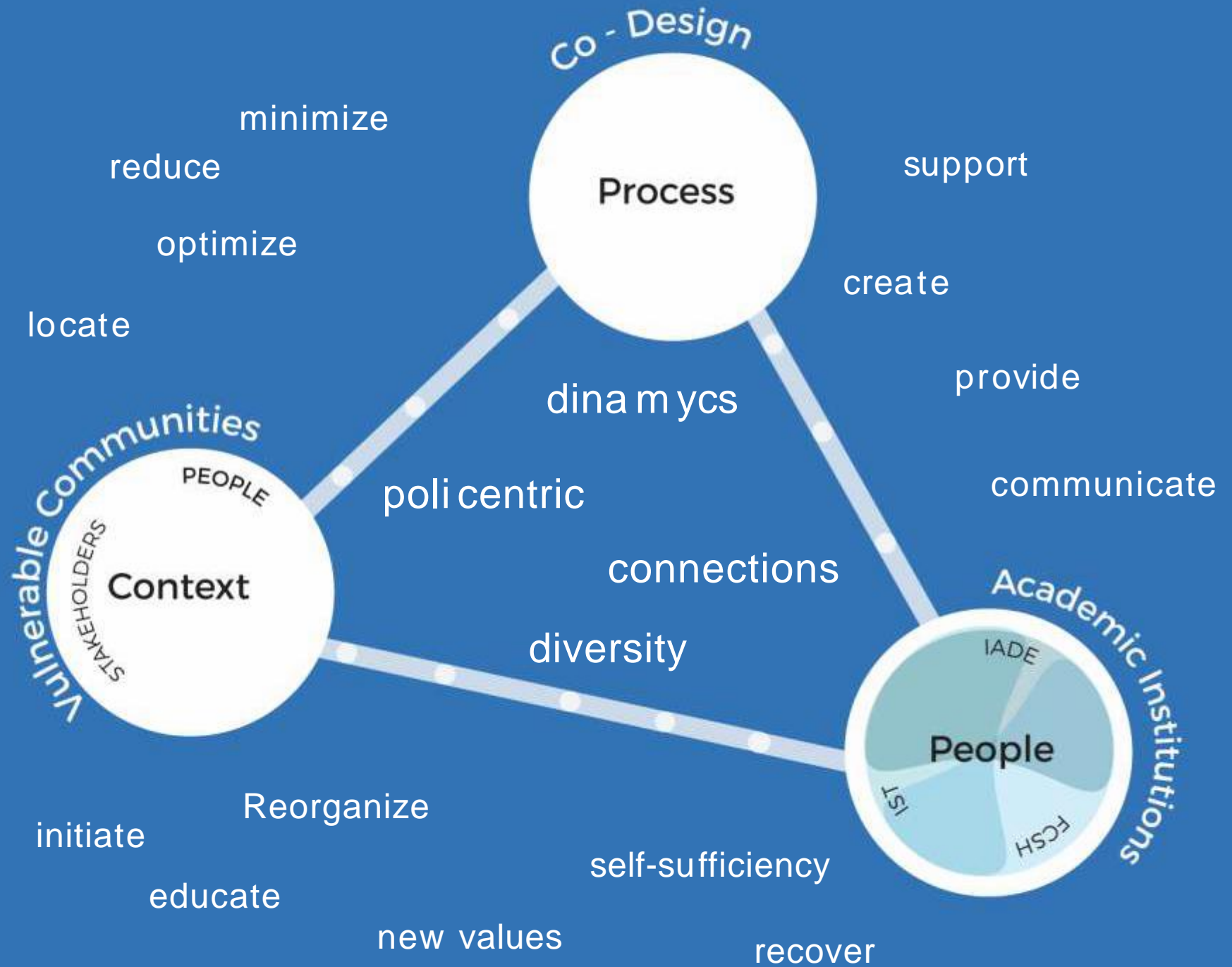FOR DESIGN AND SUSTAINABLE INNOVATION

TÉCNICO
LISBOA

3-5 April 2019
Milan
Bangalore
Beijing
Cape Town
Curitiba
Mexico City

LeNS

The LeNS World
Distributed Conference

POLITECNICO
MILANO 1863

Cyprus University of Technology

ART+DESIGN
elearning lab

UNIDCOM|IADE

HUB NICOSIA

Faculdade de Design, Tecnologia e Comunicação
Universidade Europeia

IADE/UE – Instituto de Arte e Design/Universidade Europeia

Courses:
Typography and Editorial Design
Creativity and Innovation
Photojournalism and Media
Visual and Interaction Design
Events and Urban Design

" QUANDO LUTO SOU CAPAZ! "
SÉRGIO
CAMPEÃO DE BOX

3-5 April 2019
Milan
Bangalore
Beijing
Cape Town
Curitiba
Mexico City

LeNS
The LeNS World
Distributed Conference

POLITECNICO
MILANO 1863

Cyprus
University of
Technology

ART+DESIGN
elearning lab

UNIDCOM|IADE

HUB
NICOSIA

Faculdade de Design,
Tecnologia e Comunicação
Universidade Europeia

Social Science + Engineering +
Design Courses

EXPERIMENTAL METHODS
IN ENERGY AND ENVIRONMENT

Planning and designing new sensors
to help mitigate risks related to
energy and the environment with
emphasis on vulnerable urban
communities.

INTERIOR and VISUAL DESIGN

Resume:
The intervention point was an abandoned building. The project opportunities focusing on creating Intergenerational spaces more responding to activities and services for the elderly as leisure or health services and spaces

L——3

lisboa
laboratório
comum de
aprendizagem

Grupo 1

LIMASSOL
IS
ON

Case study
2018

POLITECNICO
MILANO 1863

Cyprus
University of
Technology

ART+DESIGN
elearning lab

UNIDCOM|IADE

HUB
NICOSIA

Faculdade de Design,
Tecnologia e Comunicação
Universidade Europeia

3-5 April 2019
Milan
Bangalore
Beijing
Cape Town
Curitiba
Mexico City

LeNS

The LeNS World
Distributed Conference

LIMASSOL
IS
ON

POLITECNICO
MILANO 1863

Cyprus
University of
Technology

ART+DESIGN
elearning lab
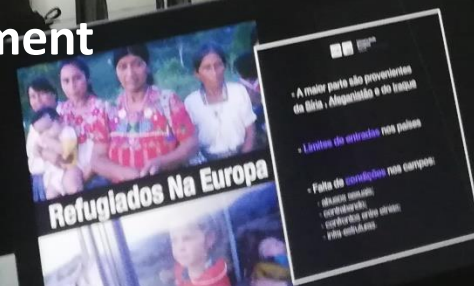
UNIDCOM|IADE

HUB
NICOSIA

Faculdade de Design,
Tecnologia e Comunicação
Universidade Europeia

Resume:
Ethnographic research, participatory
design, human centered approaches
Technological supported
Migrants, Refugees, unemployment

POLITECNICO MILANO 1863

Cyprus University of Technology

ART+DESIGN elearning lab

UNIDCOM|IADE

HUB NICOSIA

Faculdade de Design, Tecnologia e Comunicação
Universidade Europeia

Multidisciplinary Teams

Students from Design, Management Business and Tourism Courses researching in context and codesigning digital products and services needed in Limassol and Cyprus.

Part time jobs for students

arios Kounoupos - Andreas Michael - Galatia Nicolaou - Elena Antreou -
Georgia Papageorgiou
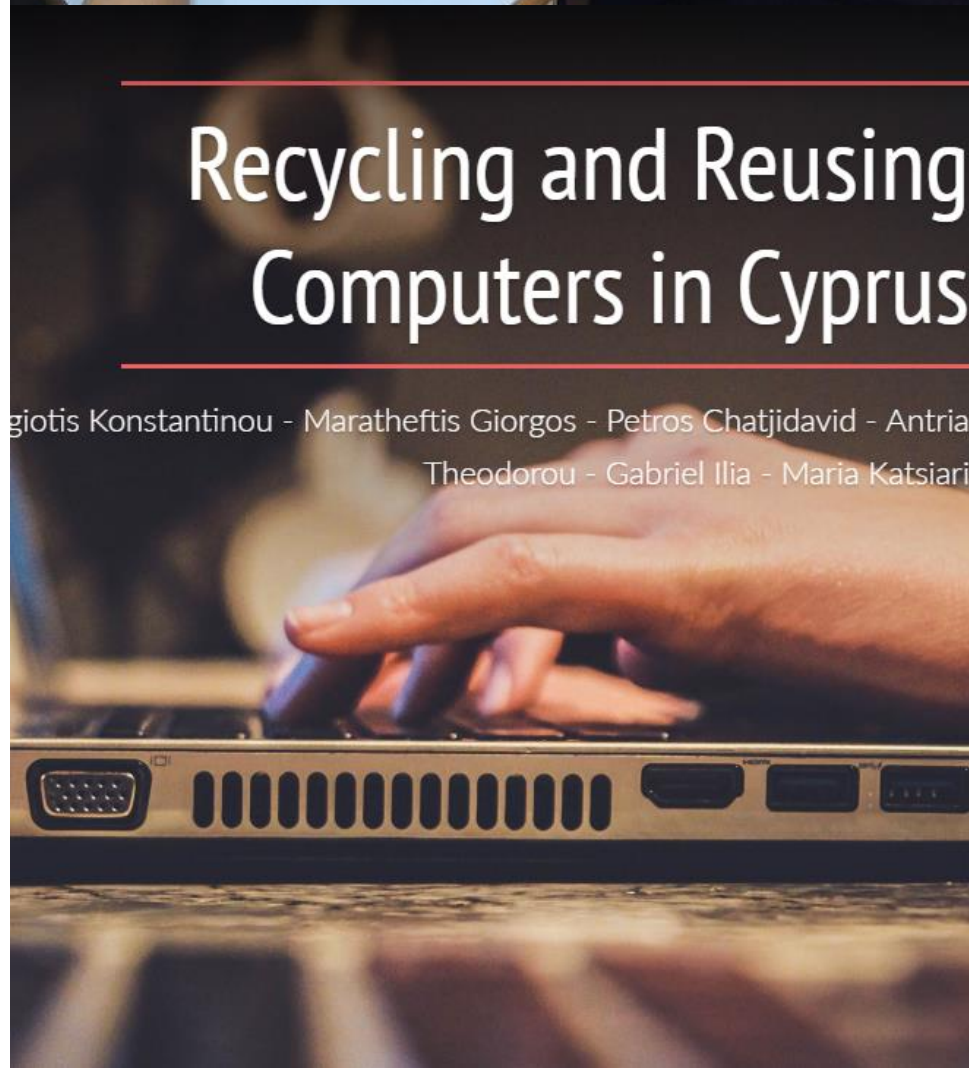
Recycling and Reusing Computers in Cyprus

giotis Konstantinou - Maratheftis Giorgos - Petros Chatjidavid - Antria
Theodorou - Gabriel Ilia - Maria Katsiari

Mobility Challenges
for University Students

Glafkos Michaelides | Andria Nikolaou
Elias Neophytou | Michaella Nikolaou | Theoni Michael

Resume:
Ethnographic research, participatory design, human centered approaches, usability tests Technological supported

EATING HEALTHY AND CHEAP AS A UNIVERSITY STUDENT

KYRIAKI CHRISTOPHI | ATHINA CHRISTOU | ELENA NEOPHYTOU | STELIOS IOANNOU |

IOULIOS PERATIKOS | ANDREAS STAVROU

LACK OF AFFORDABLE STUDENT ACCOMMODATION IN LIMASSOL

ANDREAS SAVVIDES - KYPROS PETRAKKIDIS - PANAYIOTA TSIAPOU - SOTIRIS GEORGIOU
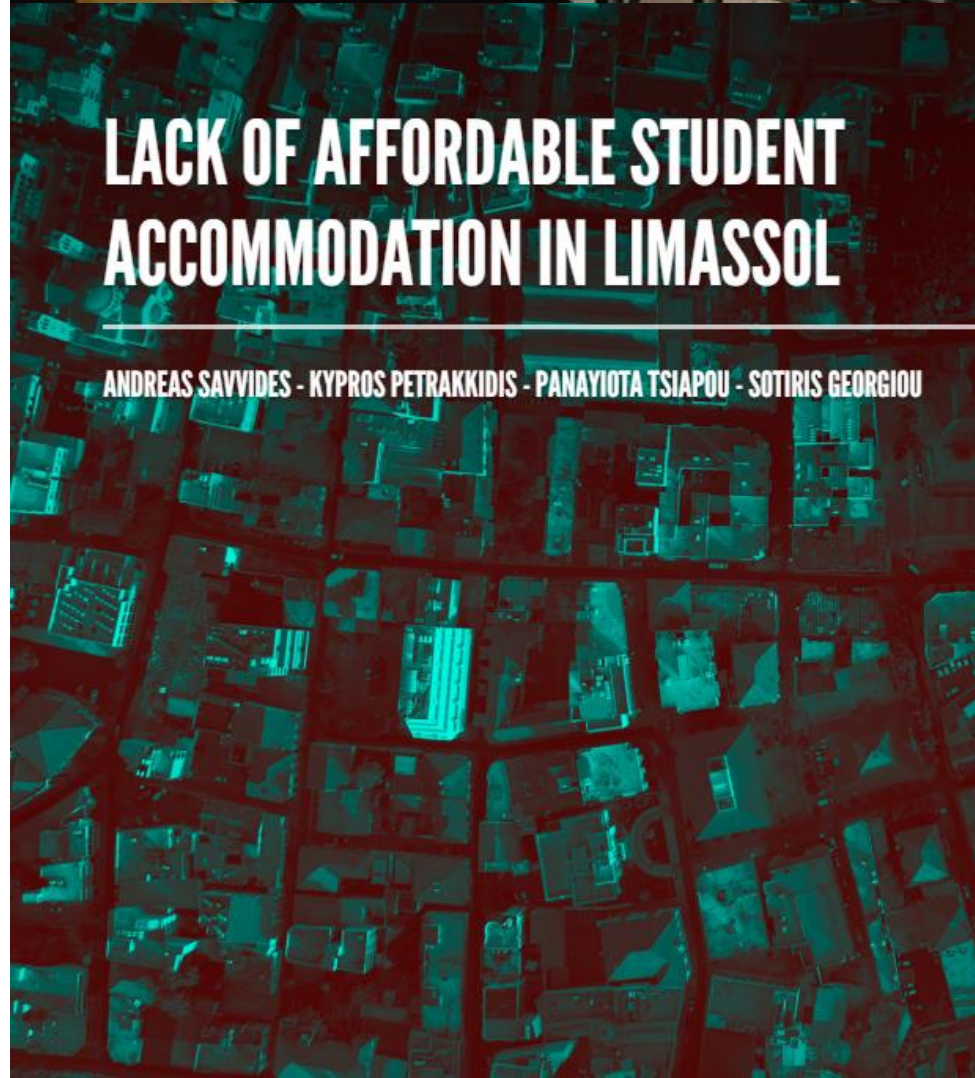
THE CHALLENGE OF FINDING AFFORDABLE STUDENT ACCOMMODATION IN LIMASSOL

MALIANA PANAGIOTOU - TONIA ARESTI - EUGENIA POLYVIOU - CHARIS GEORGIOU - MICHAEL CHARALAMBOUS - MARIOS ZAR

POLITECNICO MILANO 1863

Cyprus University of Technology

ART+DESIGN elearning lab

UNIDCOM|IADE

HUB NICOSIA

Faculdade de Design, Tecnologia e Comunicação
Universidade Europeia

POLITECNICO
MILANO 1863

Cyprus
University of
Technology

ART+DESIGN
elearning lab

UNIDCOM|IADE

HUB
NICOSIA

Faculdade de Design,
Tecnologia e Comunicação
Universidade Europeia

SUSTAINABLE DEVELOPMENT EDUCATION

NOW?

As shown by Michelsen (2015), it is possible to identify three different phases on Education for Sustainable Development (ESD) until 2014

In the present expansionary phase, further impulses for the implementation of ESD were expected, focused on **five priority action areas** of the Global Action Programme (UNESCO, 2014) :

1. Political integration of ESD at national and international levels strengthened, and success factors identified;

2. Supporting holistic approaches for schools and higher education, understood as a mission;

3.Strengthening activities integrating ESD in the areas of pre-service and in-service teacher education and training;

4. Young people should not only be seen as target groups of education but should instead be more closely involved in educational processes, seen as change agents;

5. Increase promotion of ESD on a local level and to support network local actors.

3-5 April 2019
Milan
Bangalore
Beijing
Cape Town
Curitiba
Mexico City

The LeNS World
Distributed Conference

UPSCALE LOCAL AND NATIONAL EXPERIENCES ON ESD AND SOCIAL DESIGN?

KEY IDEAS

POLITECNICO
MILANO 1863

Cyprus
University of
Technology

ART+DESIGN
elearning lab

UNIDCOM|IADE

HUB
NICOSIA

Faculdade de Design,
Tecnologia e Comunicação
Universidade Europeia

Evaluating Action — Diagnosing — Planning Action — Taking Action
Cycle 1

Evaluating Action — Diagnosing — Planning Action — Taking Action
Cycle 2

Evaluating Action — Diagnosing — Planning Action — Taking Action
Cycle 3

ONG IPSS JFE	STAKEHOLDERS	CHILDREN AT RISK GROUP	HOMELESS COMMUNITY	SENIOR COMMUNITY
Surveys Brainstorming Mindmapping De bono Hats Branding	Branding	New pratices for interaction and data collection through the use of Graphic Design (illustrations)	New product development through the use of PCM materials on Product Design	New product development through the use of PCM materials on Product Design

Collaborative Methodologies

Community Survey Impact

Innovation is a context-dependent phenomenon with a cycling behaviour. (Ferreira, 2008)

The need to go beyond the spiral model of Social Innovation (SI), knowing that innovation is not a linear process (Nesta, 2010, EC, 2017)

The believe that the challenge of the 21st century is to find out what works [SI] and scale it up (Bill Clinton in Nesta 2010

3-5 April 2019
Milan
Bangalore
Beijing
Cape Town
Curitiba
Mexico City

LeNS
The LeNS World
Distributed Conference

UPSCALE LOCAL AND NATIONAL EXPERIENCES ON ESD AND SOCIAL DESIGN?

KEY IDEAS

Collaborative Methodologies

Community Survey Impact

Individual innovators may bypass barriers of the old system, but the extent to which they can grow will often depend on the creation of new conditions, much based on **synergic actions**, and to make the innovations economically viable and socially important (Ferreira, 2009**)**

Sustainable Development must be seen **as a process**, not a goal, considering that it is a constantly moving target whose **boundary domains evolve** (Dale &Newman, 2005)

POLITECNICO
MILANO 1863

Cyprus
University of
Technology

ART+DESIGN
elearning lab

UNIDCOM|IADE

HUB
NICOSIA

Faculdade de Design,
Tecnologia e Comunicação
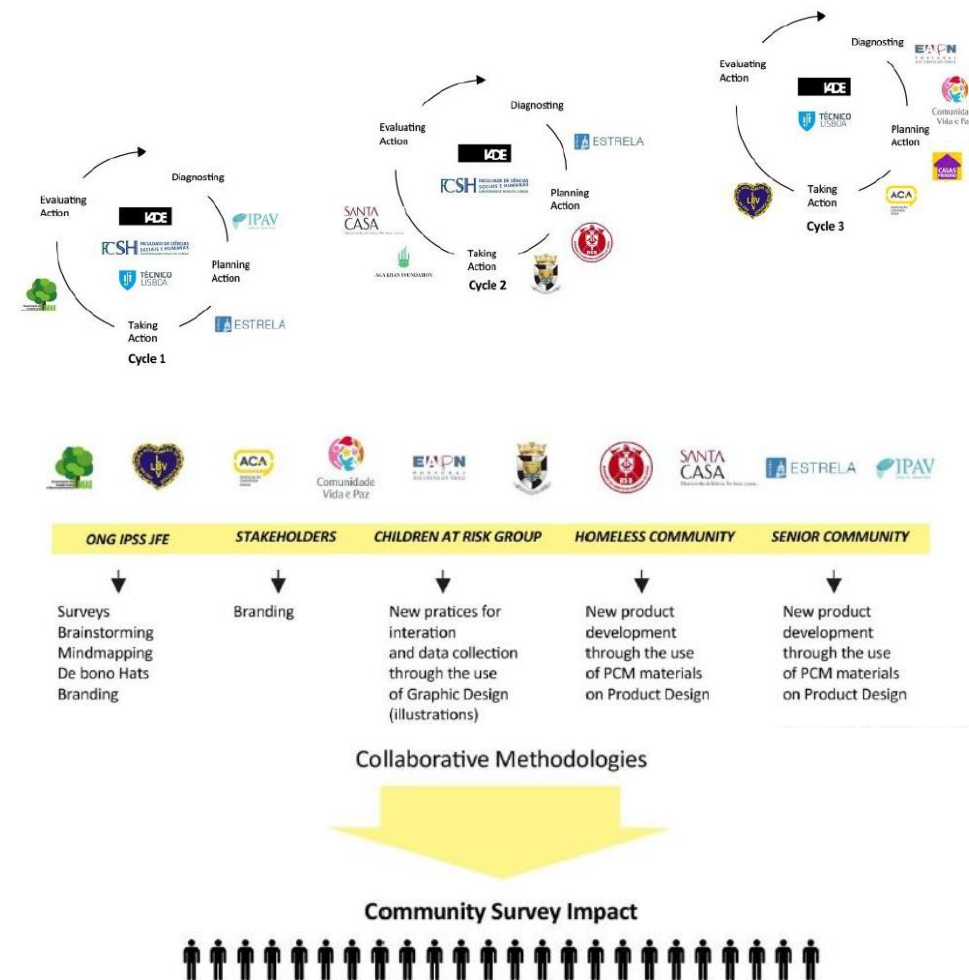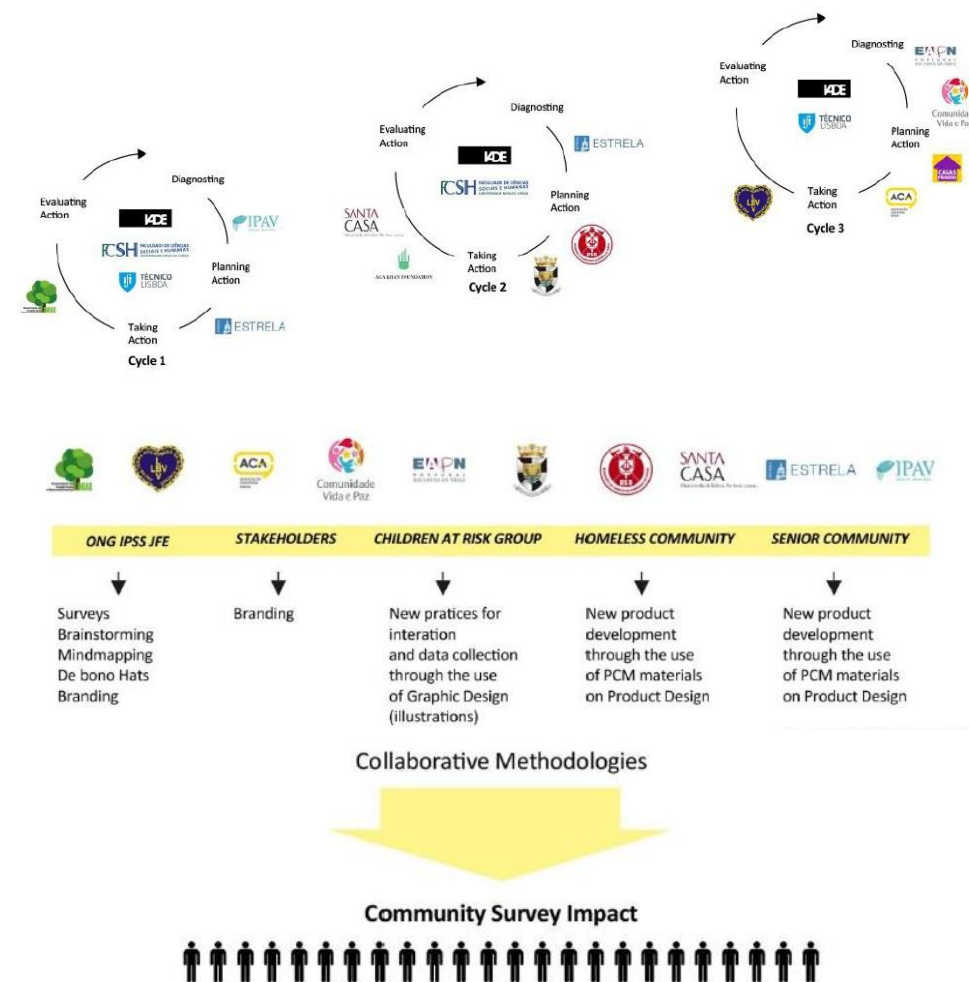IADE   Universidade Europeia

3-5 April 2019
Milan
Bangalore
Beijing
Cape Town
Curitiba
Mexico City

LeNS

The LeNS World
Distributed Conference

SCALING UP SOCIAL INNOVATION

HOW?

Mochizuki &Yarime (2015), identified 3 different stages but evolving levels of learning

about ESD and the corresponding degree of integration of knowledge -

multidisciplinarity, interdisciplinarity, or transdisciplinarity

1. Deepening awareness, knowledge and understanding of the concerns of

sustainability

2. Questioning of the usual frame of reference to respond to the challenges of

sustainability

3. Involves epistemic change and leads to the promotion of a culture of sustainability.

POLITECNICO
MILANO 1863

Cyprus University of Technology

ART+DESIGN
elearning lab ● ● ▲ ● ●

UNIDCOM|IADE

HUB NICOSIA

Faculdade de Design, Tecnologia e Comunicação
Universidade Europeia

3-5 April 2019
Milan
Bangalore
Beijing
Cape Town
Curitiba
Mexico City

L⊕NS

The LeNS World
Distributed Conference

SCALING UP SOCIAL INNOVATION

WHO?

1

POLITECNICO
MILANO 1863

Cyprus
University of
Technology

ART+DESIGN
elearning lab ● ● ▲ ● ●

UNIDCOM|IADE

HUB
NICOSIA

Faculdade de Design,
Tecnologia e Comunicação
Universidade Europeia

The ones looking
educational contribution
to fostering
competencies of
individuals, advance
discussions on
sustainability literacy and
improve teaching and
learning to get there

Barth and Michelsen (2013)
three types of ESD and sustainability

SCALING UP SOCIAL INNOVATION

WHO?

2

the ones that address organisational change and social learning through interdisciplinary approaches tackling, for instance, the root causes of the fundamental 'unsustainability' of the current model of progress; and

Barth and Michelsen (2013)
three types of ESD and sustainability

POLITECNICO
MILANO 1863

Cyprus
University of
Technology

ART+DESIGN
elearning lab

UNIDCOM|IADE

HUB
NICOSIA

Faculdade de Design,
Tecnologia e Comunicação
Universidade Europeia

SCALING UP SOCIAL INNOVATION

WHO?

the ones situated learning and 'communities of practice' in the context of inter and transdisciplinary collaboration bringing about epistemic change by systematically involving knowledge users in the research process and active collaborations with various stakeholders throughout society

3

POLITECNICO
MILANO 1863

Cyprus
University of
Technology

ART+DESIGN
elearning lab ● ● ▲ ● ●

UNIDCOM|IADE

HUB
NICOSIA

Faculdade de Design,
Tecnologia e Comunicação
Universidade Europeia

Barth and Michelsen (2013)
three types of ESD and sustainability

UPSCALE LOCAL AND NATIONAL EXPERIENCES ON ESD AND SOCIAL DESIGN?
Considerations and *Challenges*

#1. Education and culture are intimately and integrally connected. Culture influences education, much in the same way education has a powerful influence upon culture (Deshmukh, 2017)

#2. Higher Education Institutions [Portugal] are challenged to turn sustainability principles into practice through management, research, the transfer of knowledge and teaching, translated in curricula and in the teaching of new competencies to address sustainable development dimensions - and to fully integrate sustainability in their thinking (Velazquez et al., 2006; Santos, 2017)

#3. Nevertheless, there is still a lack of widespread and shared understanding of design for social change, social innovation or sustainable development as an integral part of Higher Education curricula in Portugal (Rocha et al, 2018), in Cyprus and in Europe (Souleles et al, 2017)

POLITECNICO
MILANO 1863

Cyprus University of Technology

ART+DESIGN
elearning lab

UNIDCOM|IADE

HUB NICOSIA

Faculdade de Design, Tecnologia e Comunicação
Universidade Europeia

3-5 April 2019
Milan
Bangalore
Beijing
Cape Town
Curitiba
Mexico City

The LeNS World
Distributed Conference

POLITECNICO
MILANO 1863

Cyprus
University of
Technology

ART+DESIGN
elearning lab

UNIDCOM|IADE

HUB
NICOSIA

Faculdade de Design,
Tecnologia e Comunicação
Universidade Europeia

UPSCALE LOCAL AND NATIONAL EXPERIENCES ON ESD AND SOCIAL DESIGN?
Considerations and __Challenges__

According to Michelsen (2015),
the **five strategic action areas of the Global Action Program** will play a important role in further developing practice and research in the area of sustainable development.
Consequently, the following activities come into play and will be crucial for ESD:

#1. The 'whole-institution approach' needs to be embedded more systematically in institutions.

#2. Higher Education Institutions need to develop and implement new study programmes, in which sustainability is a key issue, helping educate future change agents

#3. The role of professional development of academics in higher education as well as of key actors in economy, administration, education and academia must be supported

#4. In research on ESD an output- and outcome-oriented perspective that provides evidence-based recommendations is needed, focusing on key competencies in sustainability.

3-5 April 2019
Milan
Bangalore
Beijing
Cape Town
Curitiba
Mexico City

LeNS
The LeNS World
Distributed Conference

POLITECNICO
MILANO 1863

Cyprus
University of
Technology

ART+DESIGN
elearning lab ● ● ▲ ● ●

UNIDCOM|IADE

HUB
NICOSIA

Faculdade de Design,
Tecnologia e Comunicação
Universidade Europeia

UPSCALE LOCAL AND NATIONAL EXPERIENCES ON ESD AND SOCIAL DESIGN?
*Considerations and **Challenges***

From the perspective of **ecosystem challenges**, NESTA (2007) linked the systematic **weaknesses that inhibit the diffusion, replication or scaling up of social innovations** to:

#1. Weak incentives for public agencies and NGOs to copy or fund more effective alternative models;

#2. The absence of intermediary bodies and networks that specialise in connecting supply and demand;

#3. The relative absence of resources for social research and development;

#4. Lack of access to capital to fund growth in social organisations and;

#5. Under-developed labour markets for managers to oversee growth.

POLITECNICO
MILANO 1863

Cyprus
University of
Technology

ART+DESIGN
elearning lab

UNIDCOM|IADE

HUB
NICOSIA

Faculdade de Design,
Tecnologia e Comunicação
Universidade Europeia

Upscaling Local and National Experiences on Education for Social Design and Sustainability for All to a Wider International Arena: Considerations and Challenges

Thank you.

Ana Margarida Ferreira, UNIDCOM/IADE - EU, Portugal
Ana.margarida.ferreira@universidadeeuropeia.pt

Nicos Souleles, Art + Design: elearning lab - CUT, Cyprus
Stefania Savva, Art + Design: elearning lab - CUT, Cyprus