ESSENCE International Conference

Blended Learning Crossing Borders

Creating an Online Platform for a Joint International Course

Esther van der Stappen, PhD
esther.vanderstappen@hu.nl

Essence

Joint Course on Smart Sustainable Cities

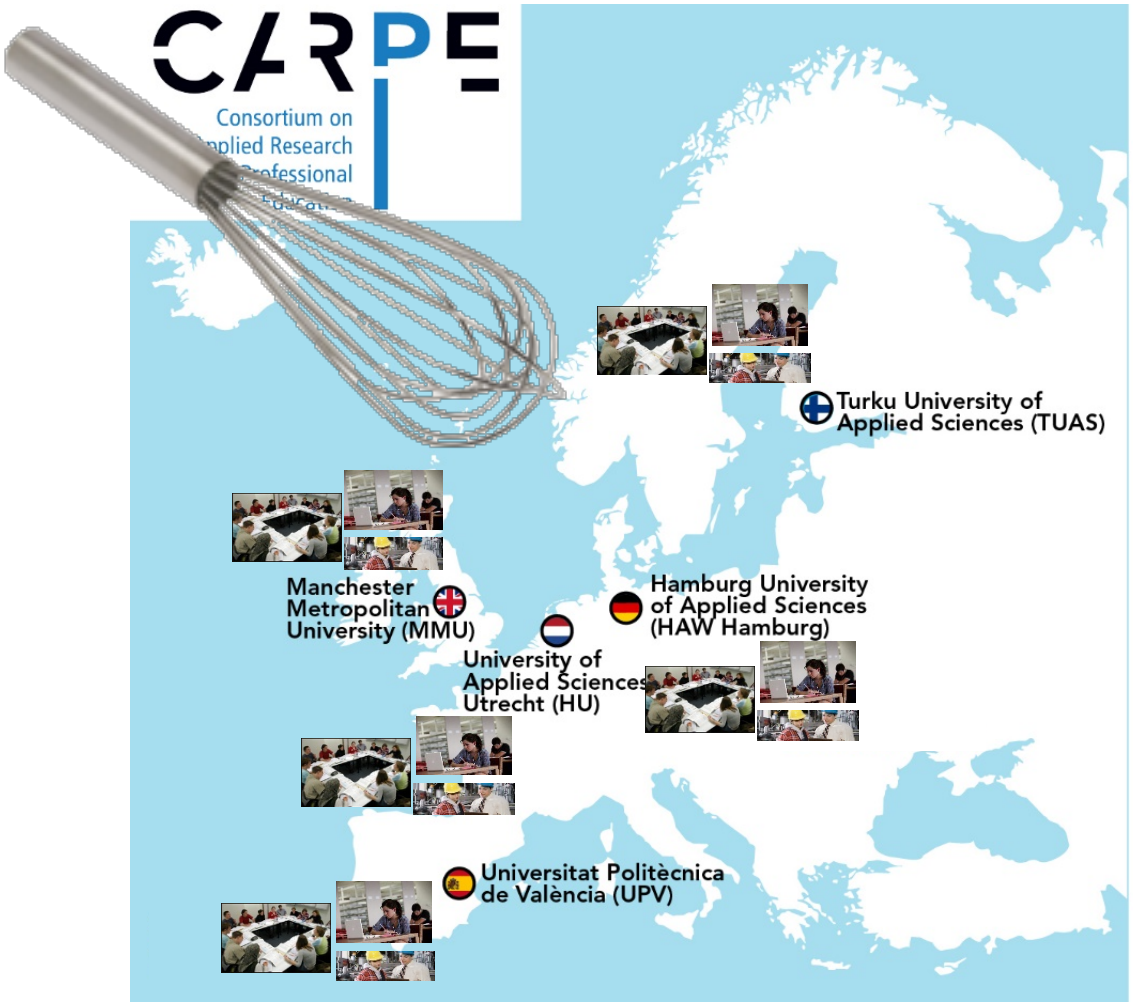
Blended Learning

Online

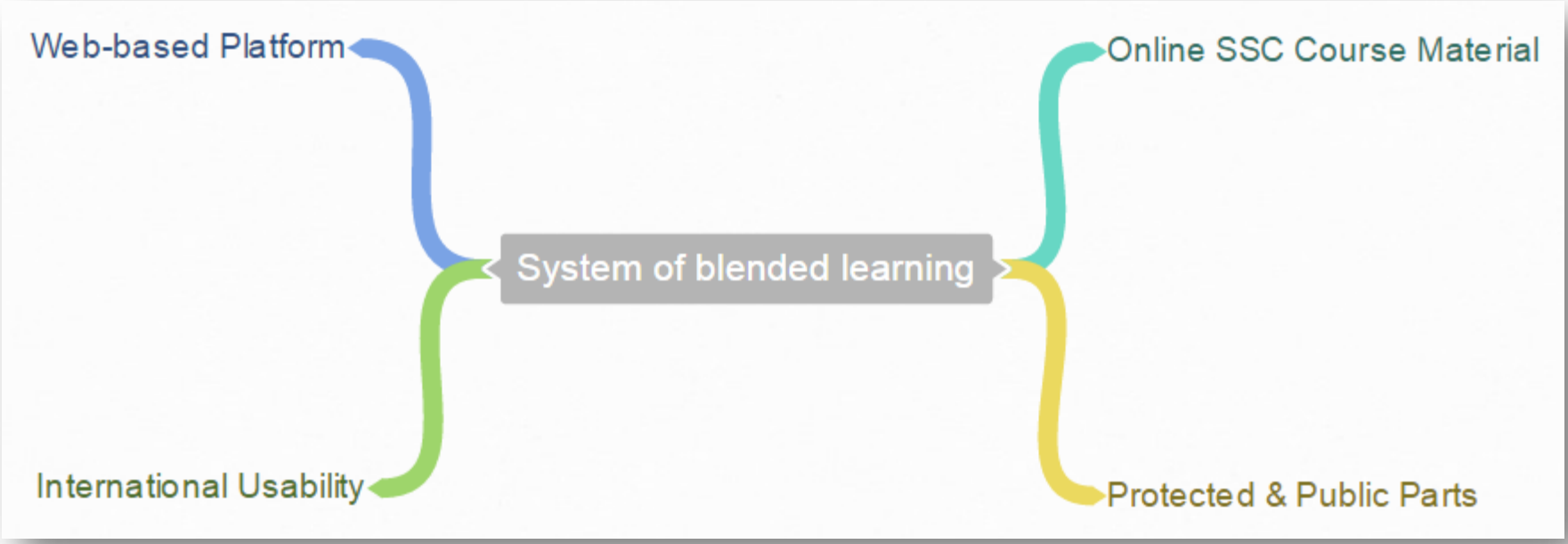
Face to face

Workplace

International Blended Learning



Goal Essence Infrastructure



Model Design Cycle

(Thijs & Van den Akker, 2009)

Learning Environment

physical

digital

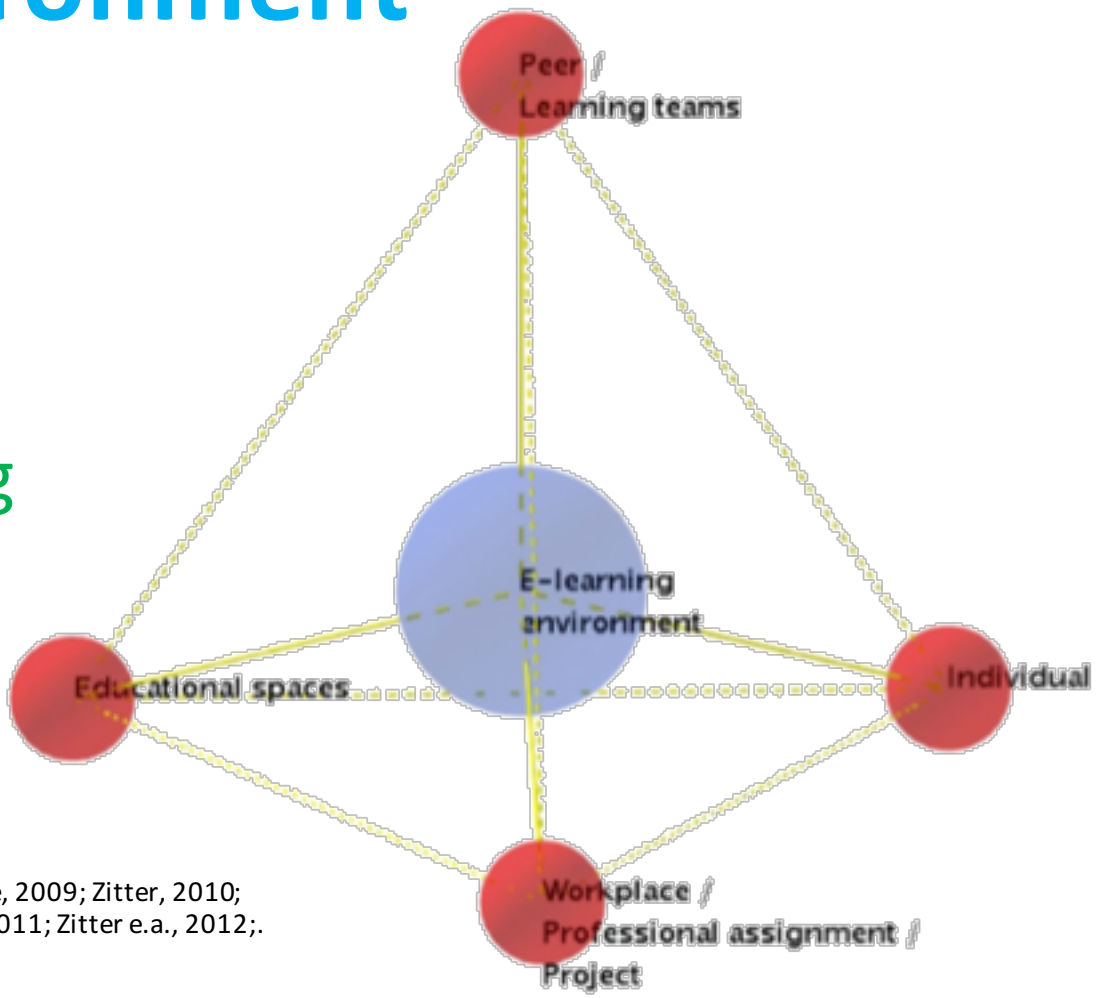
socio-cultural setting

activities

tools

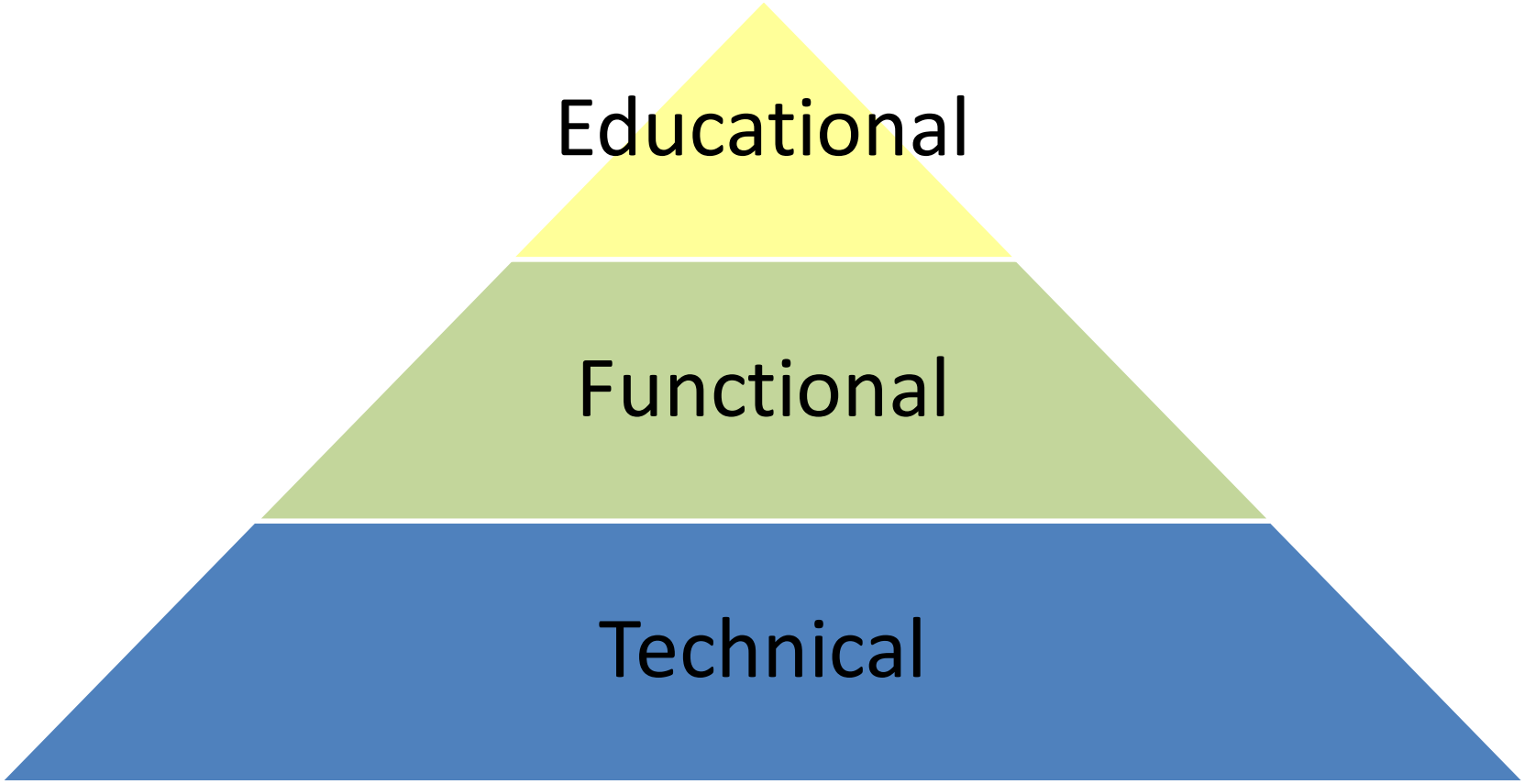
documents &

other artefacts



(Goodyear, 2001 in Zitter, Kinkhorst, Simons & Ten Cate, 2009; Zitter, 2010; Zitter, De Bruijn, Simons & Ten Cate, 2010; Zitter e.a., 2011; Zitter e.a., 2012;. Zitter & Hoeve, 2012; Zitter & Hoeve, 2013)

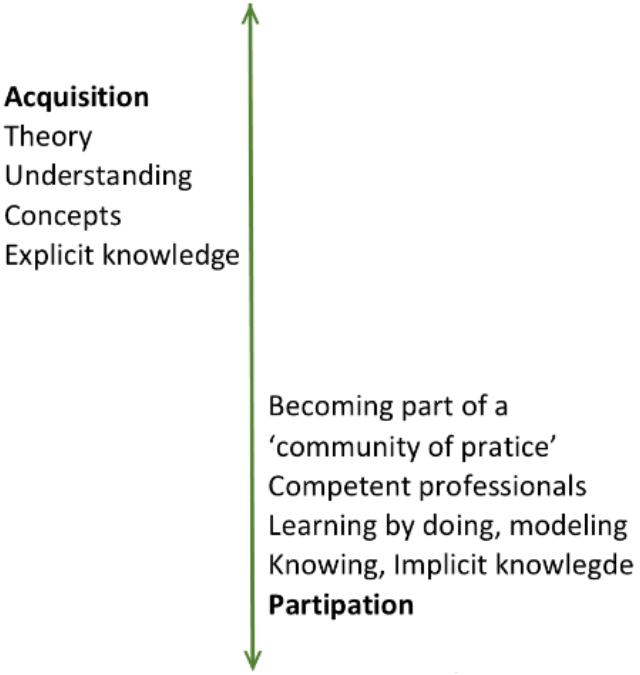
Architecture of Learning Environment



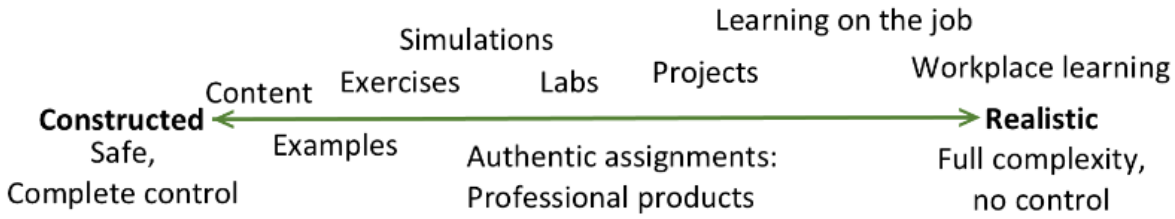
Educational design: dimensions

(Zitter, Kinkhorst, Simons & Ten Cate, 2009; Zitter, 2010; Zitter, De Bruijn, Simons & Ten Cate, 2010; Zitter e.a., 2011; Zitter e.a., 2012;. Zitter & Hoeve, 2012; Zitter & Hoeve, 2013)

Dimension learning processes

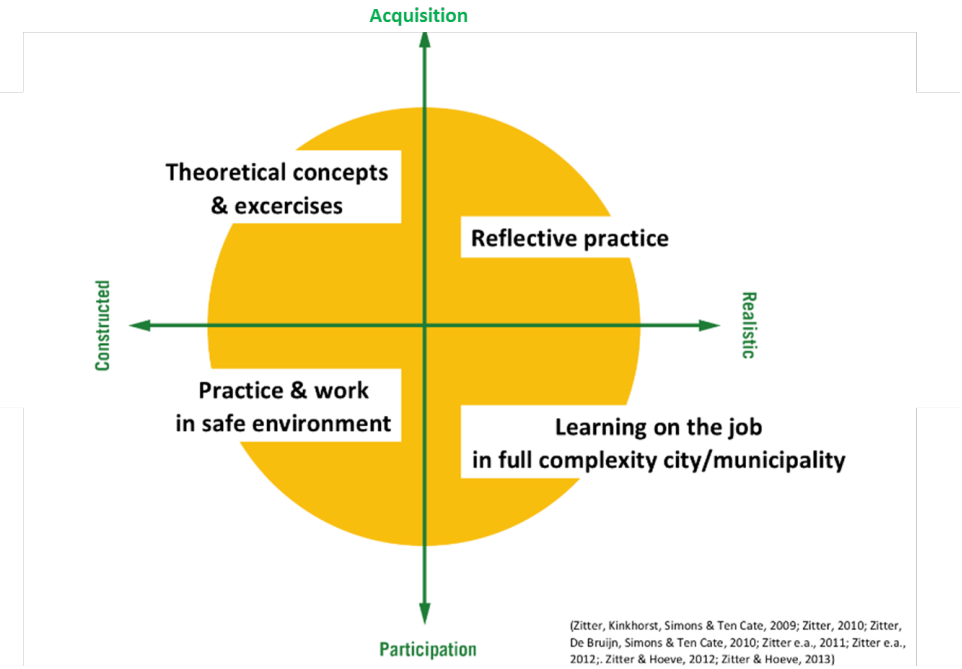


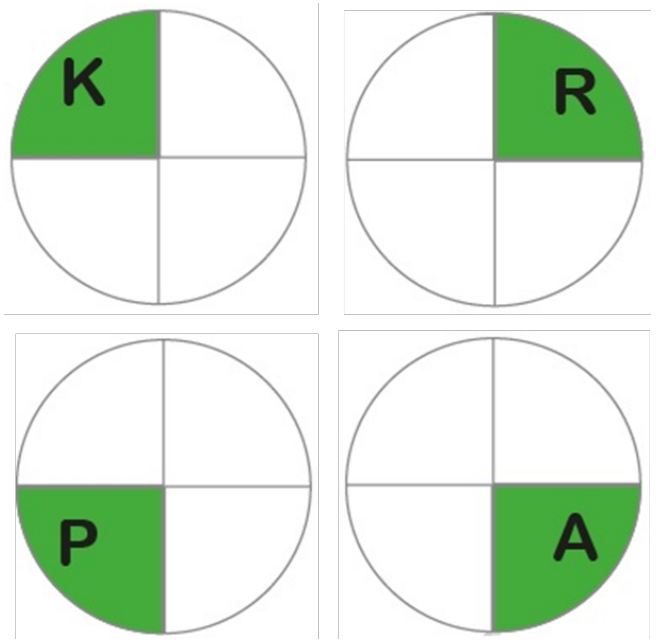
Dimension conditions



Four quadrants of learning

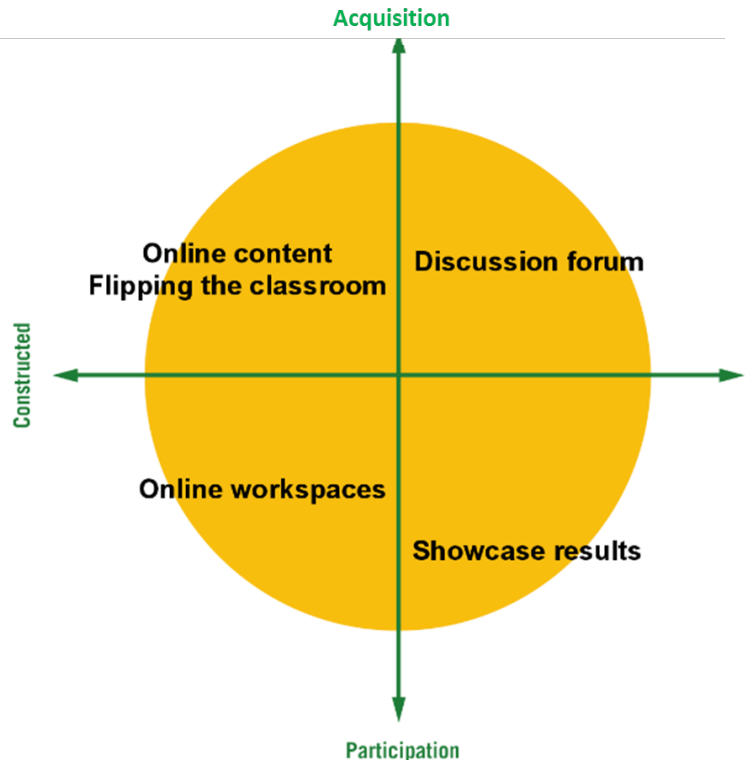
Traditional learning activities



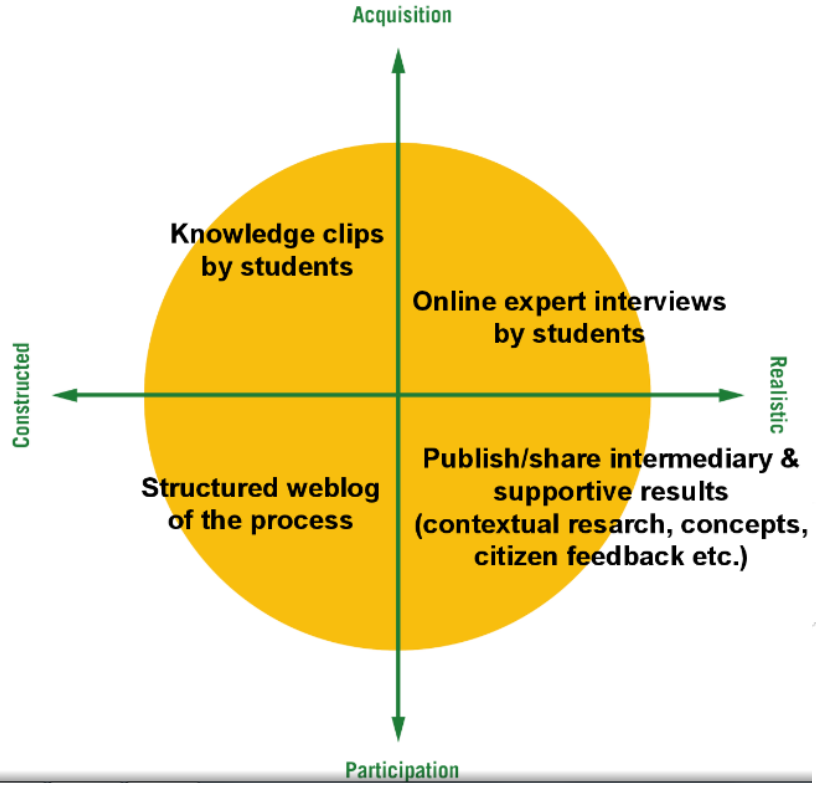


Learning units in four quadrants

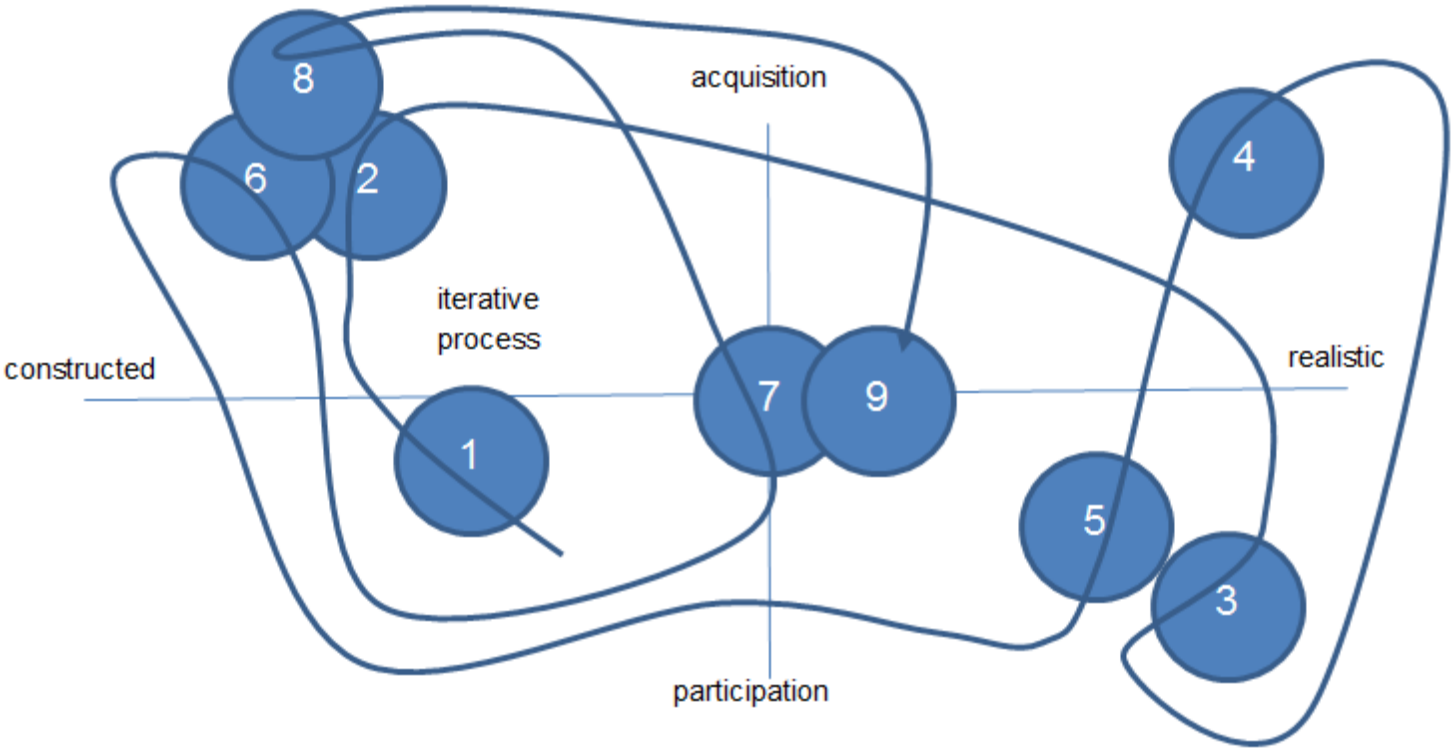
ICT-supported activities



ICT enables co-created education



Learning scenarios



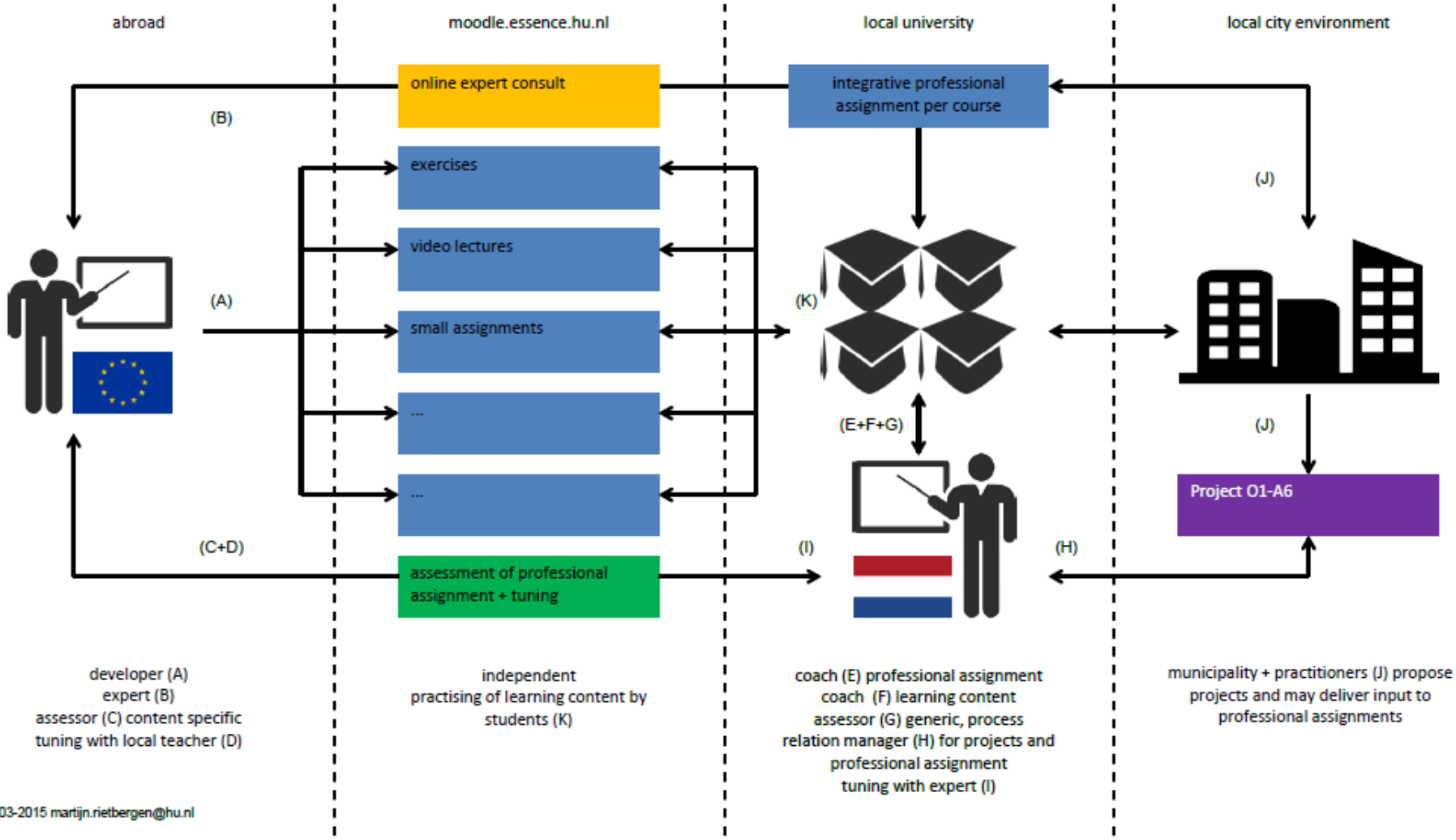
Functional principles

1. System Context
   a) Web-based part of entire Learning Environment
   b) International & joint user experience

2. Requirements Engineering
   a) Providing “standard” ELE-functionalities
   b) Determine user types, roles & permissions

Essence

ESSENCE BLENDED LEARNING ENVIRONMENT 1.0



10-03-2015 martijn.rietbergen@hu.nl

Technical principles

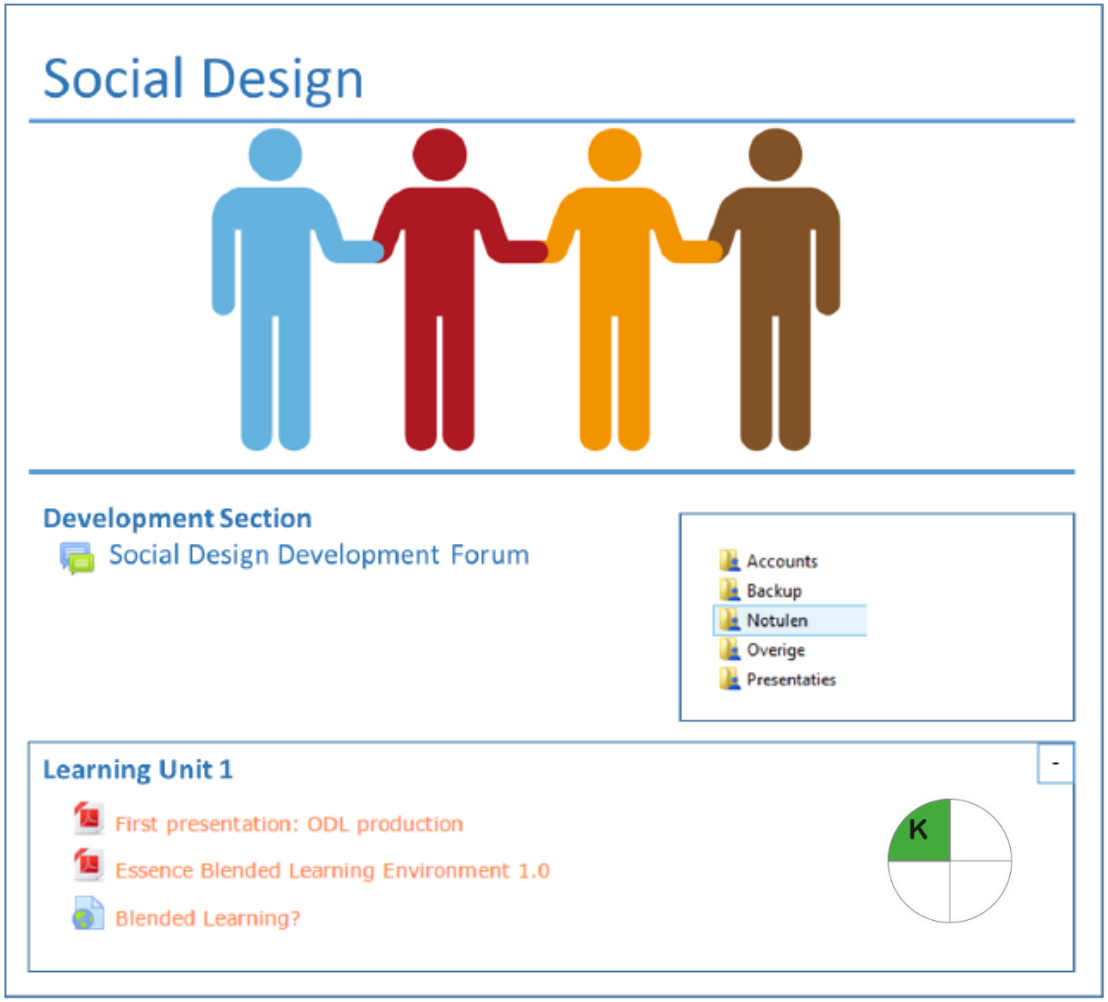
Which infrastructure to enable the desired functionality?

Business architecture	MoSCoW
Users have access at any time, any place and from any device	
mation services	
ices are cross organisational boundaries	
chitecture	**MoSCoW**
ormation services	
rmation has one truth, one source and one owner	
on basis of risk analysis/classification	
chitecture	**MoSCoW**
uy, before make	
easy to integrate	
loosely coupled	
s are based on standard building blocks	
ssible, specific when necessary	

	Moodle	Sakai	Eliademy
Ad 1: Communication and collaboration between students and teachers;			
Internal messaging	Yes, via profile	Yes, https://www.indiana.edu/~sakaikb/display.cgi?docid=avao	No, mailto links only
Discussion groups	Yes, via internal forum	Yes, via forum	Yes, via forum
Bulletin boards	Yes	Yes	No
Internal "News service"	Yes	Yes	No
Project area's	Yes, via groups	Yes, https://www.indiana.edu/~sakaikb/display.cgi?docid=atcs	No
Chat	Yes, chat module	Yes, https://www.indiana.edu/~sakaikb/display.cgi?docid=arcz	No
Overview of logged in users.	Yes	Yes, https://jira.sakaiproject.org/browse/SAK-10492	No
Shared calendar	Yes, via calendar	Yes, via calendar	Yes, via calendar

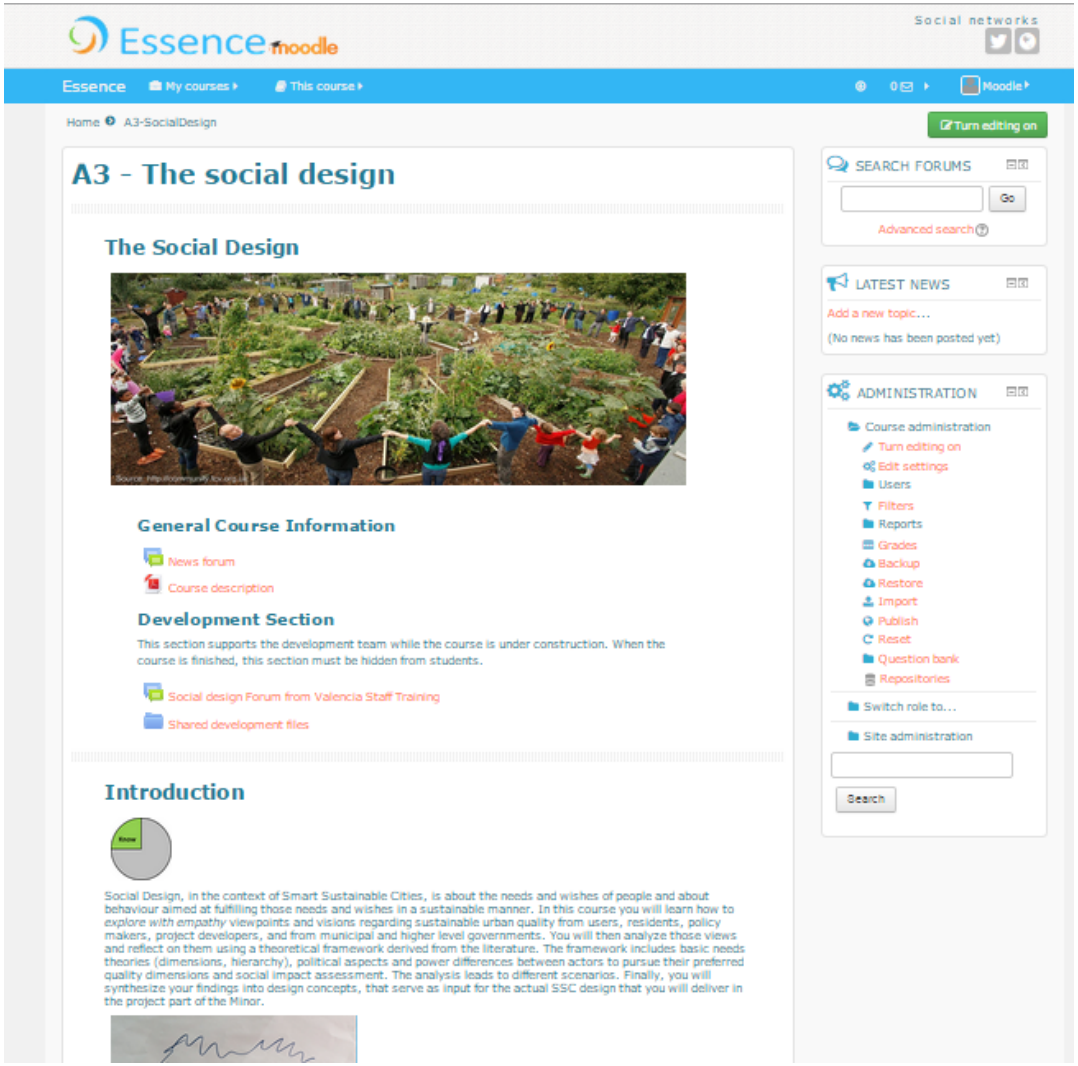
moodle
Essence moodle
Essence
My courses
ABOUT ESSENCE
ESSENCE: European Sustainable Solutions for Existing and New City Environments
Purpose: to promote the development of sustainable cities through international cooperation.
ESSENCE is working on this through three main lines:
An international, interdisciplinary curriculum is developed;
Students work on practical solutions for issues concerning sustainability in the urban environment on behalf of three local governments;
New teaching methods are studied and applied in order to achieve best practices for using MOOC, e-learning and blended learning.
Essence Homepage
TWEETS ABOUT ESSENCE
#CARPEessence
Erlijn Eweg @erlijn 19 May
#CarpeEssence @carpenetwork in Turku. Morning walk to the conference hall with #hufnt lecturers pic.twitter.com/DQN2wCHnuu
Retweeted by SSCities
Tweet #CARPEessence
#CARPEessence
PARTNERSHIPS
Hamburg University of Applied Sciences, Germany www.haw-hamburg.de
HU University of Applied Sciences U The Netherlands (HU), www.hu.nl
Turku University of Applied Sciences, Finland (TUA www.turkuamk.fi
Universitat Politècnica de València, Spain (UPV),
Manchester Metropolitan University, United Kingdo www.mmu.ac.uk
City of Utrecht, Netherlands, www.utrecht.nl
City of Alcoi, Spain, www.alcoi.org
City of Turku, Finland, www.turku.fi
INTERVIEW WITH JOHAN VERSENDAAL ABOUT ESSENCE
Interview with Johan Versendaal ab...
CALENDAR
July 2015
Sun Mon Tue Wed Thu Fri Sat
Wiki SSC
Wiki SSC
Available courses
Project documentation
Teacher: Willem de Kock
Teacher: Erlijn Eweg
In this course, all important Essence project documentat stored for future reference by the development team.
Staff Training Blended Learning Environments
13:27
Esther van der Stappen
Essence-Moodle
Filter
My courses
Notifications
Messages
Calendar events
My files
Website
Help
App settings
Change site
Project
Staff Tra

Default Course Structure

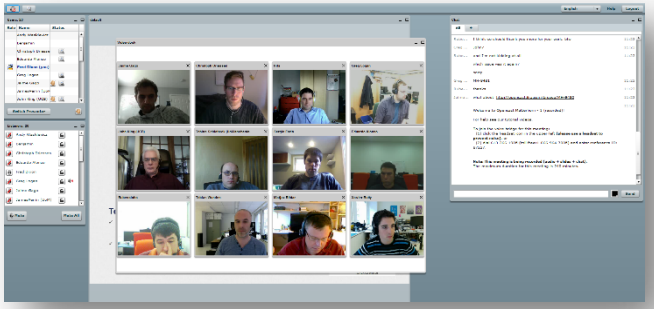


Example of a course

http://moodle.essence.hu.nl/



Next steps…



- August ‘15:
  Migrated from test server to production server (professionally hosted)
- Continuous:
  Improve & extend functionalities to support learning!
- November ‘15:
  Try out with teachers in Turku
- June ’16:
  Try out with students in Manchester
- September ‘16:
  Live with students across Europe!