

## CFM'S 2ND NORDIC CONFERENCE 29-30 AUGUST 2016 FACILITIES MANAGEMENT RESEARCH AND PRACTICE DOES FM CONTRIBUTE TO HAPPINESS IN NORDIC COUNTRIES

# Alternative Learning Environments by Alternative Retrofitting Processes CORE results of the Nordic CARE Project

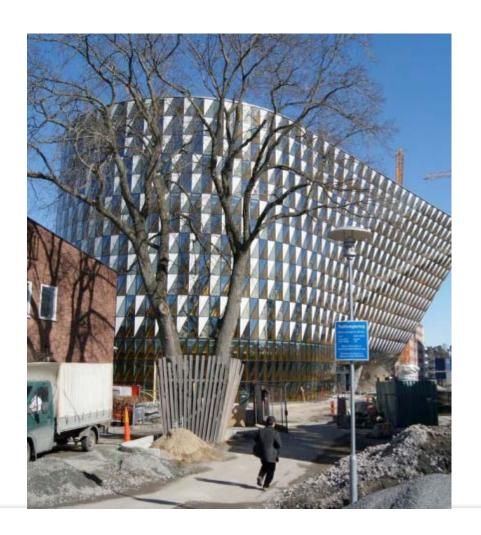
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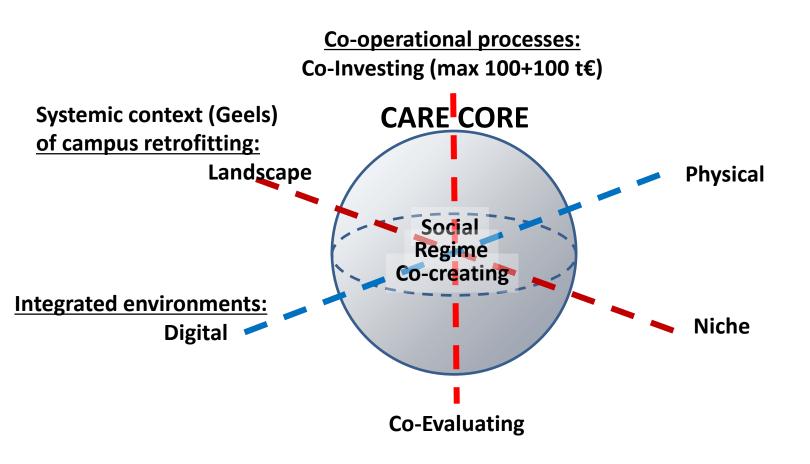
## The Nordic CARE-project 2014-2016:3

- To identify the future needs and business potential of stakeholders for resource efficient campus management
- 2. To develop the framework for Nordic campus retrofit CARE-concept
- 3. To demonstrate the mutual CARE-concept in different Nordic campuses creating a scalable concept
- 4. To define retrofit guidelines as a part of campus area strategies





## Campus Retrofitting Frame Three dimensions and the core



29.8.2016 CARE Frame 3

## University Properties of Finland Ltd. Three retrofitting cases (from 40) How to help universities to face new challenges

#### Hämeenlinna

Hämeenlinnan kaupunki: Seminaarin kampus

#### Jyväskylä

Jyväskylän yliopisto: Jyväskylän kampus

#### Kuopio

Itä-Suomen yliopisto: Kuopion kampus

#### Oulu

Oulun yliopisto: Kontinkankaan kampus Oulun yliopisto: Linnanmaan kampus

#### Rovaniemi

Lapin yliopisto: Rovaniemen kampus

#### Tampere

Musica, Jyväskylä Tampereen teknillinen yliopisto: Hervannan kampus

Tampereen yliopisto: Kaupin kampus

Tampereen yliopisto: Keskustan kampus

#### Vaasa

Vaasan yliopisto: Vaasan kampus

Åbo Akademi: Vaasan kampus CARE Frame

#### Joensuu

Itä-Suomen yliopisto: Joensuun kampus

#### Kajaani

Kajaani: Kajaanin kampus

#### Lappeenranta

Lappeenrannan teknillinen yliopisto: Lappeenrannan kampus

#### Rauma

Turun yliopisto: Rauman kampus

#### Savonlinna

Itä-Suomen yliopisto: Savonlinnan kampus

#### Turku

Turun yliopisto: Turun kampus Åbo Akademi: Turun kampus



**OASIS, Tampere** 

Hki

29.8.2016

**UBIKO**, Oulu



Core

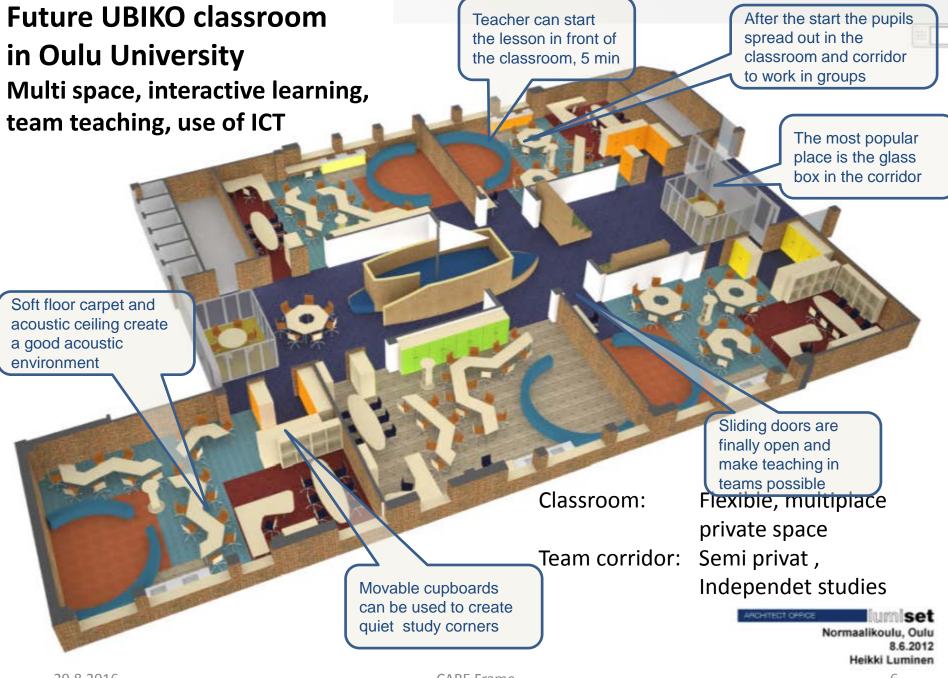
Regime

**Social** 

**Co-creation** 

#### **Case Ubiko**

- Teacher Training School aims to promote self regulated learning of pupils and team teaching
- New ways of learning in more collaborative way: various learning needs and teamwork between teachers
- Co-creation with teachers, an architect joined after the teachers had defined the goals of the change which is achieved by retrofitting process



New inspiring, collaborative learning and team teaching is possible because of the new, flexible spaces



Most popular place

Pictures: Heikki Kontturi / OY, UBIKO

After that the work continues in smaller study groups If needed, the teacher can support







The corridor is an active meeting place. From movable "auditoriums"

it is easy to arrange even large



#### The ship in the lobby is multifunctional











## Other perspectives of UBIKO

### |Systemic

- Niche: New learning area
- Landscape: New curriculum

### Integration

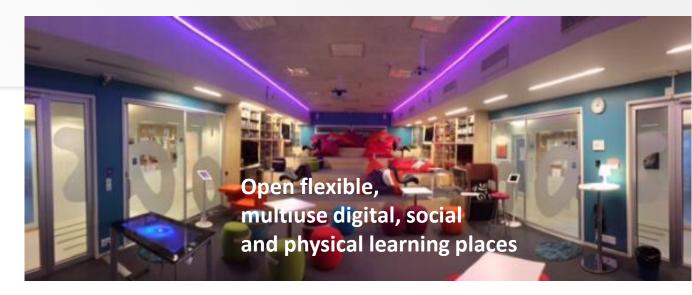
- Digital: Tools and their use
- Physical: New space typology

## Cooperation

- Co-financing: University, Stakeholders, University Properties of Finland
- Co-evaluating: Monitoring, learning outcomes, user behaviour observations



## Core of OASIS in University of Tampere



Core

Regime

Social

**Co-creation** 

#### **Case Oasis**

- School of Information sciences aims to enhance learning by combining science and playing, via users' interaction, games and media
- Communal and experiential processes for learning and encouraging the opportunistic use of the space
- Ethnographic study and co-creation with students and staff – two years orientation and background investigation for design brief and co-design with architect



### Empty Book Storage is Nowadays a Living Lab for Playful Space for Learning and Collaboration at Work

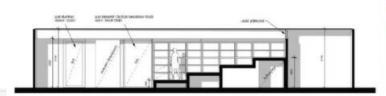


**Talking seats** 





Spa tub with balls for meeting





## MurMurs: the talking, tweeting seats designed to make your office fun

CULTURE / 07 OCTOBER 13 / by LIAT CLARK



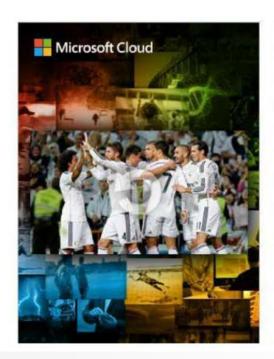












"I'm bored, no-one has sat on me for a while." This is what you'll see popping up in your Twitter feed if one of your MurMurs has been neglected for too long, Timo Nummenmaa tells Wired.co.uk, Nummenmaa is part of a research team at the University of Tampere's Games Research lab in Finland that is looking for new ways to capitalise on the hybridisation of toys and gaming -- as perfected



Angry seat Laughing set, Purr like a cat You can tickle their ears,...



## Other perspectives of OASIS

## Systemic

- Niche: Living lab
- Landscape: Open access environment

## Integration

- Digital: realized BYOD (bring your own device)
- Physical: multifunctional area

## Cooperation

- Co-financing: University and University Properties of Finland
- Co-evaluating: user feedback, ethnographic studies, monitoring



## Musica demo in University of Jyväskylä



Regime

**Social** 

Co-creation









#### **Case Musica**

- Department of Music aim to increase informal learning by enhancing multidisciplinary, experience-rich and international interaction in vacant student restaurant
- Informal learning by providing a platform for pending time, performing, learning and organizing events
- Co-creations with diverse users by using Charettemethod

### The core of Musica was Co-creation by Charrette

Charrette is a multi-day, collaborative planning event for town planning in Northern America

	DAY	<b>2</b>	Breakfast Team meeting		DAY 4. Breakfast		DAY 5 Breakfast		DAY 6 Breakfast		DAY 7 Breakfast
	Breakfast	Breakfast  Team meeting									
8:00 AM					Team r	Team meeting		Team meeting		meeting	Team meeting
9:00	Studio set up		Alt.	Stake-	Preferred plan synthesis		Pref. plan synthe- sis	Stake- holder review		Stake- holder	
11:00	Tours	Alt. concepts development	dev.	holder reviews (tech.)					Prod.	reviews as needed	Production
2:00	Lunch	Lunch	L	Lunch		Lunch		Lunch		unch	Lunch
1:00 PM 2:00 3:00	Primary stakeholder meetings	Alternative concepts development	Alt. conc. dev.	Stake- holder reviews (tech.)	Pref. plan synthe-	Stake- holder review	Plan development		Production		Production
4:00	Meeting preparation	de conjunction	Alt. concepts development		sis		Optional				Meeting preparation
5:00	Dinner	Dinner	Di	Dinner		Optional		open house		nner	Dinner
6:00 7:00						Open house					
8:00 9:00	Public meeting #1	Alternative concepts development/ team review	Public n	Public meeting #2		Preferred plan synthesis/ plan development		Optional night off		luction	Final charrette public meeting
10:0 0 11:00						development					Celebration
.8.2016				CARF F	rame				, Ca		16



### PROJECT SCOPE

2013

Phase 1: Preparation

May-August

Phase 2: Collaborative Workshop

"1st Ideas Charrette"

**22-26 August** 

Phase 3: Follow up work

September-October

Phase 4: Collabrative Workshop

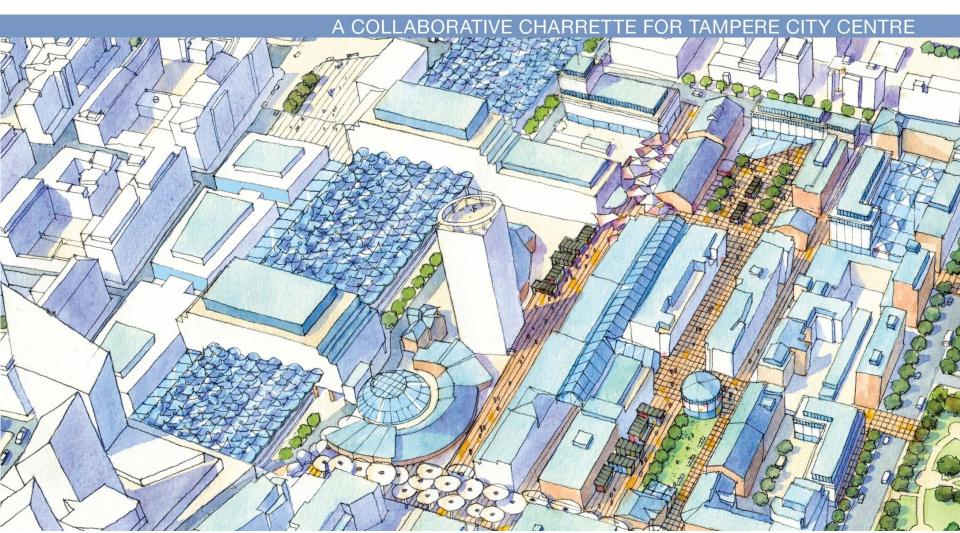
"Design Charrette"

24-28 October

Phase 5: Illustrated Vision Report

November

### **VISION FOR TULLI+**











## **Charrette @ Musica**





## After five days co-creation process the architect was able to designed the area in one hour





### And the users are more than happy:

- https://www.youtube.com/watch?v=UVTLXe2h6RI&feature=youtu.be
- https://www.youtube.com/watch?v=yZnacyMid4o&list=PL8TVqwTcp1UFe4j 73mPcJe7w15IFBCm1V&index=2





## Other perspectives of Musica

## Systemic

- Niche: Music Hub best at town
- Landscape: Local synergy

## Integration

- Digital music production and performance
- Physical: active culture hub, meeting and learning place in campus

## Cooperation

- Co-financing: University and University Properties of Finland
- Co-evaluating: User surveys, sensors



## **Conclusions**

- CARE CORE is about
  - Social and collaborative practices towards future learning environment.
- CARE CORE is the heart of retrofitting process.
   The CORE makes the other processes more alive.
  - Co-financing and co-evaluating
  - Integrating physical and digital solutions
  - Realizing the landscape initiatives as well as the weak signals from niches

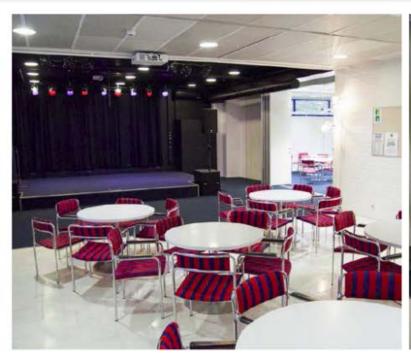


## **Conclusions**

- CARE-CORE lists and visualizes the intangible but essential perspectives when retrofitting places, processes and people's behavior.
- After collaborative retrofitting campus should give more value to their users.



## Thank you!





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