Future learning environments
Campus retrofitting

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Agenda

Introduction
CARE - CORE
Co-creation
Co-financing
Co-evaluation
Conclusions
University Properties of Finland Ltd.

In 2010 we decided to have ambitious vision:
The most respected campus developer in Europe

- Founded in 2009, in connection with the reform of the Finnish University Law
- Owners and users: 10 universities outside the capital area
- Asset value 1,11 billion €
- Turnover 140 M€ (2014)
- 1,3 million sqm, 19 campuses
- 115 000 students in the premises
- Approx. 6 500 pupils in training schools
- 20 000 persons working in the premises
- Only 36 employees

=> network organisation
CAMPUSES
All over Finland

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: Rovanieminen kampus

Tampere
Tampereen teknillinen yliopisto: Hervannan kampus
Tampereen yliopisto: Kaupin kampus
Tampereen yliopisto: Keskustan kampus

Vaasa
Vaasan yliopisto: Vaasan kampus
Åbo Akademi: Vaasan kampus

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
As a result of our research all our new projects differ from traditional university buildings.

- Are multiuse buildings
- Have shared spaces and services
- Active co-creation has an important role in every project

Investment portfolio 500 mill. €
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Campus Retrofitting Frame
Three dimensions and the core

Co-investing

Social Regime

Co-creating

Digital

Niche

Physical

Co-evaluating

Landscape
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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.
After the start the pupils spread out in the classroom and corridor to work in groups.

The most popular place is the glass box in the corridor.

Teacher can start the lesson in front of the classroom, 5 min.

Soft floor carpet and acoustic ceiling create a good acoustic environment.

Sliding doors are finally open and make teaching in teams possible.

Movable cupboards can be used to create quiet study corners.

Classroom: Flexible, multiplace private space
Team corridor: Semi privat, Independendt studies
New inspiring, collaborative learning and team teaching in flexible places
The corridor is an active meeting place for small and large events.
Playfull Library
University of Tampere

- Empty Book Storage is now a Living Lab for Playful Space for Learning and Collaboration at Work
MurMurs: the talking, tweeting seats designed to make your office fun

"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
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Interactive Auditorium
University of Oulu

- 3 auditoriums were renovated by 500 000 € per auditorium
- UPF: Traditional Building based retrofitting 500 000 €
- UPF: Evidence based Retrofit of the auditorium +200 000 €
- University of Oulu: Furniture and equipment +200 000 €
KÄTSELUKULMAT, ESIMERKKI: 2,25m kuvakorkeus

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We need evidence: Measurements before and after

Collection of data
• User experiences: Happy or not questions and explanations by QR codes
• Changes in use rates and ways of use by Interval cameras
• Changes in indoor air conditions: Wirepass wireless sensors
Idea:
How the rise of floor level effects on the use of the lobby
New solutions make university lobbies and corridors alive.

"+40 cm solution" +190 hours

"Glass box" +70 h

0 +20 +40 +60 +40 +20 cm above floor level
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Conclusions

• Every property owner has a budget for repair and maintenance: this can be used as a seed money for co-investing with users!

• Instead of repairing and retrofitting the building one can respond to the needs of the future – involve users! (Activity based retrofitting)

• Measure and collect evidence!(Evidence based retrofitting)
Conclusions

• CARE-CORE lists and visualizes and helps to structure the intangible but essential perspectives when retrofitting places, processes and people’s behavior.

• After collaborative retrofitting campus should give more value to their users.
How to CO-CREATE campus?
Questions?

Kampusareena as a case is one of the most attractive places in Finnish universities. Every campus needs multidisciplinary meeting hub.