

Campus Retrofitting - Developing Higher Education Learning Landscapes

The project approaches campus environments as learning landscapes that are the total context for student learning and collaboration among user groups on-campus. The aim is to identify the core features of learning landscape design and the retrofitting of campus environments to meet changing needs in expertise development. This is done by finding the best practices of CARE processes (*Campus Retrofitting*) and how they are led.

Campus development is facing challenges when emerging information environments along with distributed access to digital platforms change the whole way of studying and learning. Learning and co-creation can happen anywhere, anytime. The emergence of new online learning environments and digital solutions has modified the conception of time and space yielding the illusion that the physical 'place and context where the learning takes place is not very important' (Gros, 2016). Correspondingly, the main stream of research has focused on how students' learning is supported in digital online learning environments (e.g. Broadbent & Poon, 2015; Cho et al., 2016), and in blended learning (e.g. Bonk & Graham, 2006; Garrison & Vaughan, 2008). In our view, the whole campus with its surrounding urban fabric should be seen as a network of learning spaces.

The design of campuses and embedded digital affordances should be evidence-based and research-informed, and teaching and learning landscapes should be formed based on pedagogical principles instead of the still more usual estates- and facilities-led processes. The activities should be more than cost-benefit analyses, giving space to discussions about the nature, role and future of higher education. The project aims to develop educational leadership on campuses as a means to transform higher education learning landscapes to support the development of future-ready expertise.

Research team

Assoc. Prof. Anne Nevgi, Project leader

PhD. Student Niclas Sandström, Researcher

Collaboration

Professor Laura Hirsto, University of Eastern Finland, Joensuu, Finland

Dr. Suvi Nenonen, Tampere University of Technology, Tampere, Finland

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Professor Callie Grant, Rhodes University, Grahamstown, South-Africa

Lecturer Pamela February, University of Namibia, Windhoek, Namibia

Dean, Dr. Charmaine Villet, University of Namibia, Windhoek, Namibia

Prospective schedule

Autumn 2017 - Spring 2018

- Retrofitting process and outcomes in Minerva learning landscape - case study
- Mobility visits to the University of Namibia and Karolinska Institutet (Sweden)
- State of the art - Review of current research and development literature on educational leadership and facilities management for campus development

Autumn 2018-Spring 2019

- Developing a model of educational leadership integrated with facilities management to enhance CARE processes for future-ready, smart solutions and innovative campus learning landscapes

Publication plan

Research articles

Sandström, N., Nevgi, A., & Lonka, K. (submitted) Different Needs, Different Spaces - Campus Retrofitting for Smart Campus Landscapes, *Journal of Corporate Real Estate*

Sandström, N. & Nevgi, A. (lähetetty julkaistavaksi/submitted) Tulevaisuuden yliopisto - käänteinen oppiminen keikauttaa kampuksen, *Yliopistopedagogiikka-lehti*, in Finnish, [Future Universities - Flipped learning flips the campus]

Nevgi, A. & Sandström, N. (in preparation) Flipping the campus - educational leadership for smart learning landscapes in higher education