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City of Espoo, Education and Cultural Services
Learning and Teaching Expo
11 – 17 December 2017, Hongkong



Espoo is a Learning City with Inspiring Educational Innovations





ESPOO
ESBO

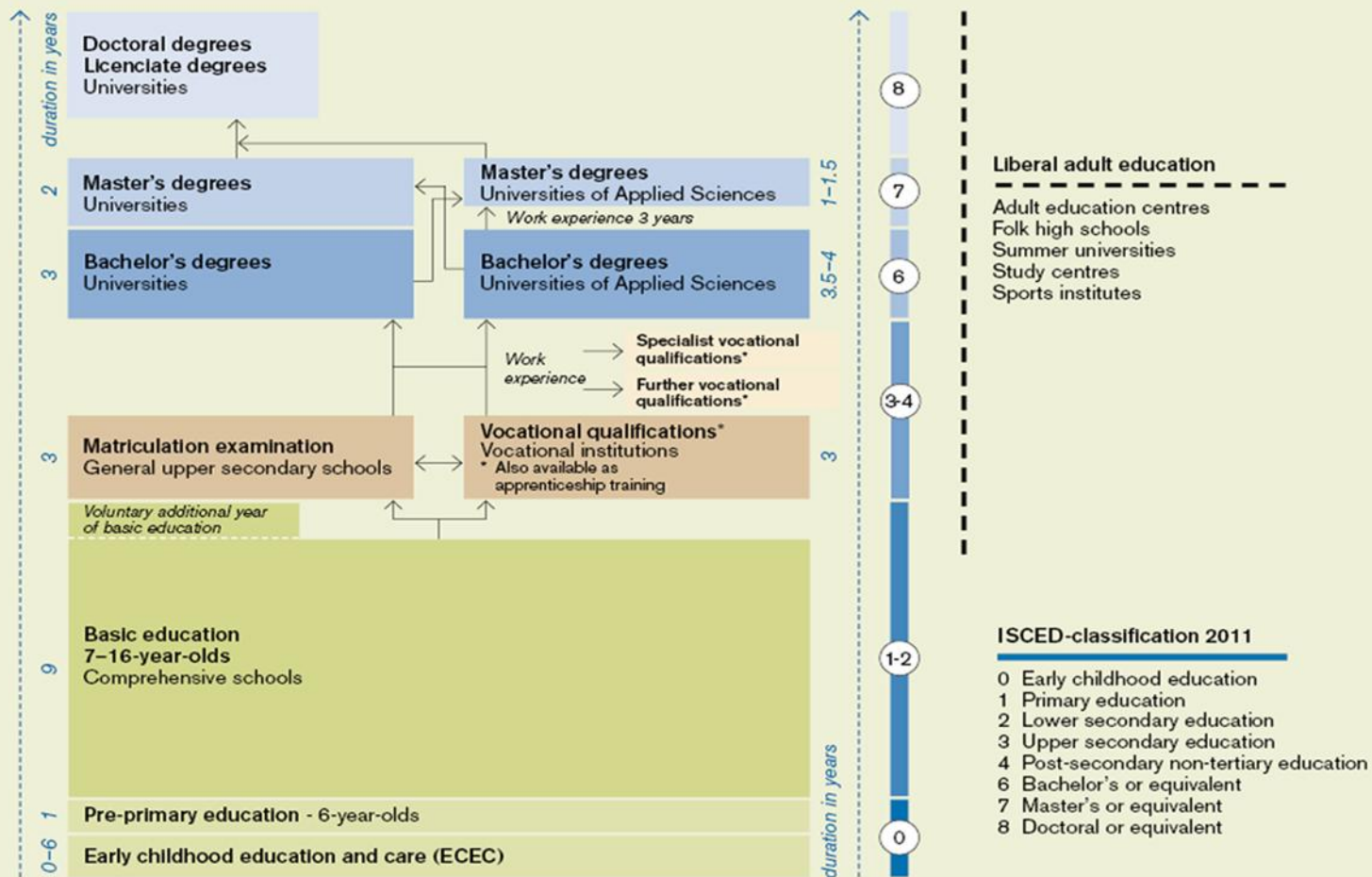
FINLAND

Population: 5,5 million

Area: total 390,900 km², water 22 %

A land of interesting contrasts: four seasons,
the midnight sun and the winter darkness,
urban and rural, east and west.







ESPOO
ESBO

Foundations for the Finnish Education System

- Equal opportunities, free of charge
- Student-centered system
- Competent and committed teachers
- Key concepts efficiency and quality
- Wide ranging support services
- Decentralized administration
- Significance of education in the society

→ Success in OECD PISA-program





Conception of learning

Learner's active role

- Sets targets
- Reflects & analyses
- Solves problems

Interaction

- Learns with others and in different environments
- Understands consequences

Learning to learn

- Recognises own way of learning
- Applies this to promote learning

Self-conception and confidence

- Helps setting targets
- Receives feedback



FINNISH NATIONAL
AGENCY FOR EDUCATION

Broad-based competencies

National Core Curricula
(Aug/ 2016) for basic
education and general
upper secondary education.
Based on these, the
municipalities compile
municipal level curricula.
Schools prepare school
level curriculum.





FINNISH NATIONAL
AGENCY FOR EDUCATION

**Maximising
potential:
every
child is
unique**





FINNISH NATIONAL
AGENCY FOR EDUCATION

Information and communication technology (ICT) in education

Is both an object and a tool for learning

Is used in various ways and situations

Digital competences of teachers

Equipments in schools and use of own devices





ESPOO
ESBO

ESPOO

The 2nd largest city in Finland





ESPOO
ESBO

Green and blue city

95 lakes
165 islands
56 km coastline

**Home to the second
most visited national
park in Finland,
Nuuksio**

**66 % of the citizens
live within a 500 m
distance from a
green area**



ESPOO
ESBO

The most sustainable city in Europe

According to benchmark study carried out
for the Dutch EU presidency



Espoo is a young and fast developing City



- Population 280.000
- Languages: Finnish 80%, Swedish 7.8%, others 12.2%
- 50 % of the population hold a university degree
- 20 % of the population is under 15 years
- 20 % of children in early education are New Finns
- A great deal of city services are organized by partners of the city



ESPOO
ESBO

Espoo Innovation Garden

Enriches the Story of Espoo

A platform for collaboration

City of Espoo as a facilitator



Espoo Innovation Garden





Espoo story and Espoo Innovation Garden are co-created

The central graphic is a stylized tree where the foliage is composed of numerous circular portraits of diverse individuals. The portraits are arranged in a branching pattern, with larger ones at the base and smaller ones at the top. The individuals represent various stakeholder groups, which are labeled with green text: "Residents" (top right), "Public" (middle left), "Business" (middle left), "Research & Innovation" (middle right), "Science & Learning" (bottom right), and "Culture & Sports" (bottom center). The "omnia" logo is positioned to the left of the tree, and the "A! Aalto University" logo is to the right. At the bottom, the "Metropia" logo is on the left and the "LAUREA UNIVERSITY OF APPLIED SCIENCES" logo is on the right.

omnia

Residents

Public

Business

Research & Innovation

Science & Learning

Culture & Sports

A!
Aalto University

Metropia

LAUREA
UNIVERSITY OF APPLIED SCIENCES

Espoo as a Learning City



The future of cities is build on every citizen's opportunity for lifelong learning.

Espoo participated in the first international UNESCO Learning Cities Conference in 2013 in Beijing.

Espoo is an official member of the Global Network of Learning Cities (GNLC) by UNESCO.



Learning City
ESPOO

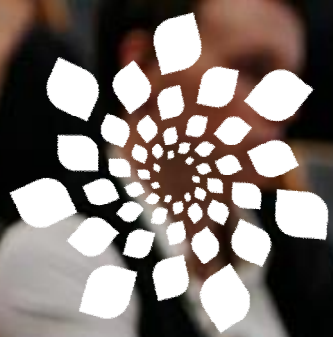
Espoo is a UNESCO awarded Sustainable Learning City*

In Espoo learning is valued!

- Everyone has an opportunity to learn
- The joy of learning grows
- Collaboration is power

* Espoo was awarded as one of 12 pioneering Learning Cities at the 2nd UNESCO Learning Cities Conference in Mexico City 2015

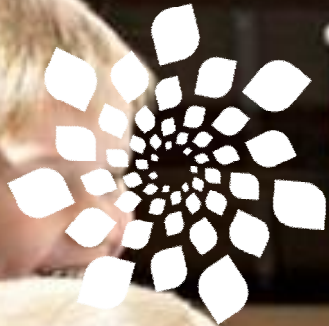




Learning City
ESPOO

Everyone has an opportunity to learn

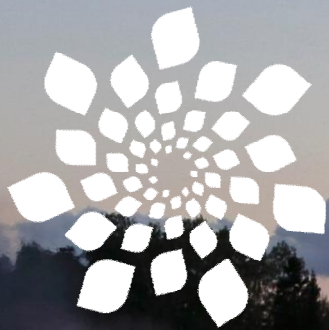
Everyone has an opportunity to learn in all stages of life.
We offer possibilities to create individual learning paths.
In Espoo, you can learn everywhere.



Learning City
ESPOO


The joy of learning grows

The joy of learning grows in inspiring environments together with others and through diverse working methods. Digitalization is part of everyday learning.



Learning City
ESPOO

Collaboration is power



We develop our activities together with residents, partners, companies and communities both locally and internationally. We have the will to do things in a new way.



Learning City
ESPOO

First Espoo Learning City Festival in 2016



- **Learning City Conference** for other Finnish Cities and international Learning Cities
- **Education Fair** to show the strengths of Espoo educational network
- **Learning together** - Espoo Statement with fellow Learning Cities
- Joint local organization and visual identity for Espoo Learning City





Espoo is a good place to grow up

- Early Childhood Education
- Pre-primary Education
- Basic Education
- Upper Secondary Education





Espoo education key figures

- **77+11+2** Comprehensive schools
(Fin, Swe and private)
- **11+1** General upper secondary schools
(Fin and Swe)
- Vocational education, training and adult education is provided by **Omnia Joint Authority of Education in Espoo Region (VET)**.
- Espoo hosts also multidisciplinary **Laurea** and **Metropolia** Universities of Applied Sciences and **Aalto University**.



Digital learning and sustainable development

Information technology is part of every school day. Espoo invests in digital learning spaces and mobile devices.



All schools in Espoo are committed to **sustainable development**. Espoo schools promote cultural, social and financial sustainability as well as environmental values in education.

Espoo has developed practices for advancing **social involvement** and preventing loneliness and social marginalization.



Teachers are esteemed professionals

A Master's degree is a basic requirement for all teachers. Teachers work together, share expertise, plan and assess their work on all school levels.

Teachers in Espoo are highly qualified and committed. The city offers opportunities for professional development.



OMNIA VOCATIONAL EDUCATION AND TRAINING (VET)

Employment in the real working life

Vocational skills and qualifications

Working life

Competence based evaluation

Integration into the labour market

Authentic projects with companies

On-the-job learning

Work based learning

Networking

Entrepreneurial learning environments

Recognition of prior learning

Personalized study paths





Future learning environments are combining tangible, mobile, virtual, mental and social spaces.





School as a Service –experiment



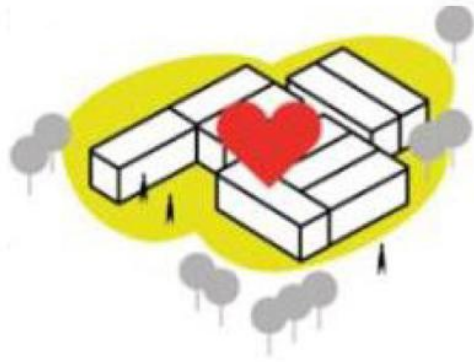
- The City of Espoo and Aalto University joint venture to experiment a totally new solution how to organize education more effectively
- High school is using extra spaces and other resources available on campus either alone or together with university
- Developed together with teachers, students and other users
- To be scaled up to other locations and to other services in Espoo and beyond.



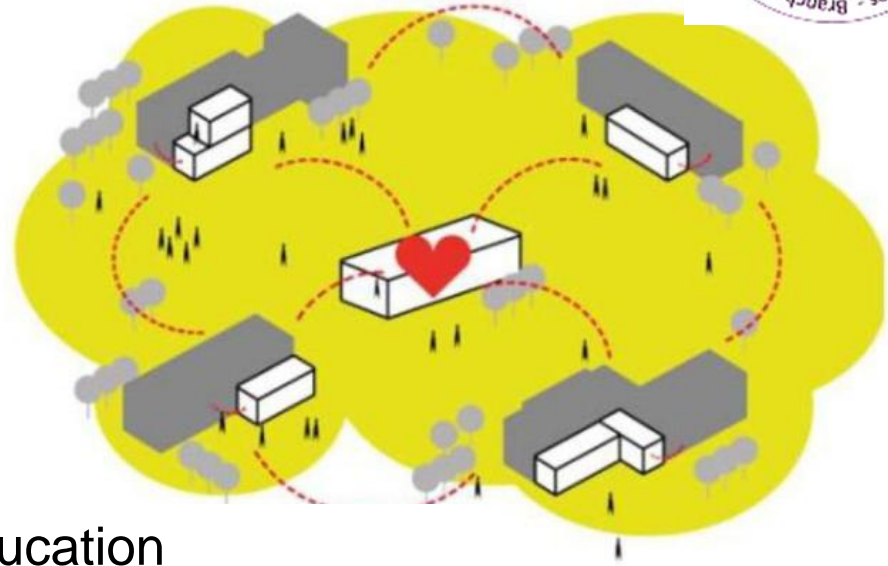
School as a Service



Centralized
School as a Product



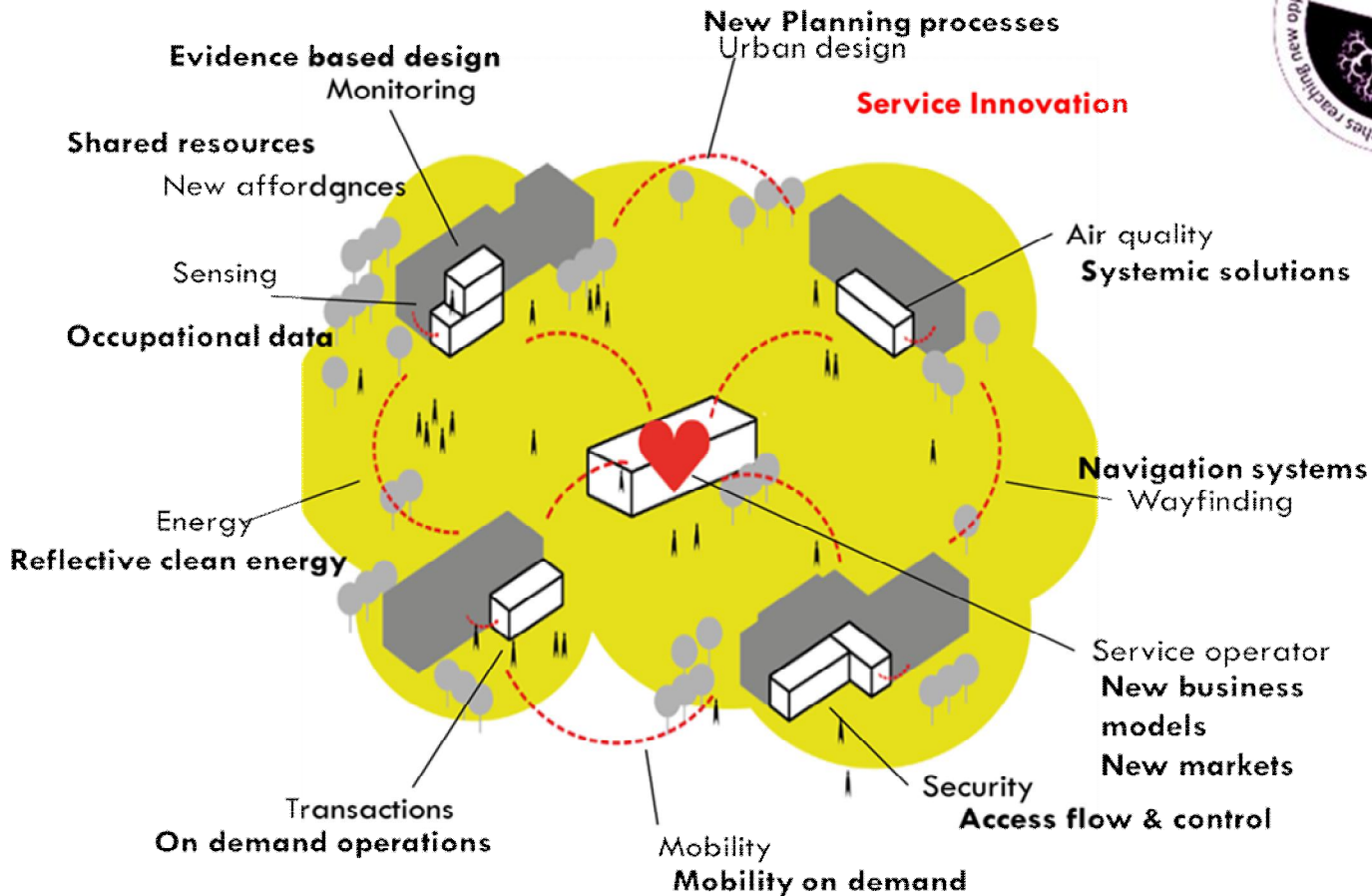
Distributed
School as a Service



- A new concept for organizing education
- Supports more meaningful and fun learning
- Distributed facilities and operations



Collaboration with companies





School as a Service –new pedagogy

- **New roles** for students as co-creators
- **New contents** from university courses
- **New learning methods** in cooperation with surrounding actors and organizations
- **New networks and sense of community** through university, spiced with digitalized opportunities
- **New orientation**; testing ideas of future interests and studies





Early indicators/ Student perceptions

- Symbolic value *"Doesn't look like school"*
- Emotional value *"Great to be connected"*
- Operational value *"Way more functional resources"*
- Economical value *"Great to eat where ever we want with Aalto students"*
- Technical value *"Recycled furniture is cool"*





Co-creation between schools and companies to accelerate learning



- Espoo schools form an innovative Living Lab ecosystem
- Schools develop products and services together with companies
- The aim is to accelerate learning by combining experimenting with pedagogical excellence and new technology
- Enables identification of best practices for school-company or school-community partnerships

[> More information](#)



CO-CREATED WITH
THE CITY OF ESPOO
SCHOOLS

Innokas!

Innokas Network



Innokas Network encourages and guides students and teachers to be creative and innovative in exploring with available tools and technology. [> More information](#)



Espoo is a City of Maker Culture

Espoo vision is to have a maker space in every learning environment: in day care centers, schools, libraries etc.

To boost this we will have:

[InnokasFabLearnLab](#), a hub in Aalto University campus, where learners of any age can learn by exploring about science in different fields.

[STEAM –platform](#) that covers Aalto University academic fields as a test bed to enrich collaboration between science and curious learning.



Me & MyCity mini society



- **Me & MyCity for sixth-graders:** Students spend one day as employees, citizens and consumers in a miniature city with 15–20 companies (supported by local businesses). The visit is preceded by a training day for teachers and ten lessons in the students' own classroom.
- **Me & MyCity for ninth-graders:** A game that deals with business and global economy. The concept consists of lessons in history, social studies and career counselling.

[> More information](#)

Me and MyCity is a Finnish education innovation based on the Finnish national curriculum. It has been [awarded by the European Commission and the World Innovation Summit for Education, WISE](#).



Open Social Spaces for all ages

- **Open outdoor spaces** planned to bring people together: Sports halls, play grounds, skating parks etc.
- **Iso Omena Service Centre:** 10 public services under one roof, brought to the customer. [Watch video](#)
- **Libraries** are public living rooms. They offer many activities free of charge.
- **Digital meeting places** like www.seniori365.fi for seniors, families and service providers developed by Laurea UAS students in co-creation with end-users.
[> More information](#)



Culture for All

Kulps! Culture and Sports Path

Takes comprehensive school pupils to cultural and sports venues. Part of the curriculum for basic education. [> More information](#)



Culture Clinic

- Culture and art to children and families in child health clinics. [> More information](#)

Culture Companion

- Volunteers provide company and support in cultural events. [> More information](#)

Kaikukortti Card

- Free tickets to cultural events for clients of the social and healthcare actors who feel that they are financially hard pressed
[> More information](#)

Culture Chain

- Culture and art to care homes and service centres



All children and young people guaranteed a hobby

The City of Espoo with organisations and clubs offers low-threshold after-school activities for every child and young person. Examples free of charge:

- for 2-8 year-olds and their families **Töpinät family exercise groups**
- for grades 1-4 **WAU sports groups**
- for grades 4-6 **Muuvi hobby groups**
- for grades 7-9 **JUMPPI hobby groups**
- for grades 1-9 **HOP culture clubs**



We still have a lot of challenges



- Population growth and increasing diversity
- The new role of the Finnish municipality
 - Effective use of spaces



We collaborate with international partners



EDUCATION IS
TOO VALUABLE TO
BE LEFT ONLY
FOR EDUCATORS



KRISTIINA
ERKKILÄ

2017. 오산 클로빙 평생학습포럼

