finpeda
Innovations in education

FINPEDA

Asiantuntijalausunto
Virtuaalivaliokunta

Finpeda 8.3.2016
Pasi Mattila/Finpeda Ltd.









Copyright © FINPEDA Oy 2016. All rights reserved.

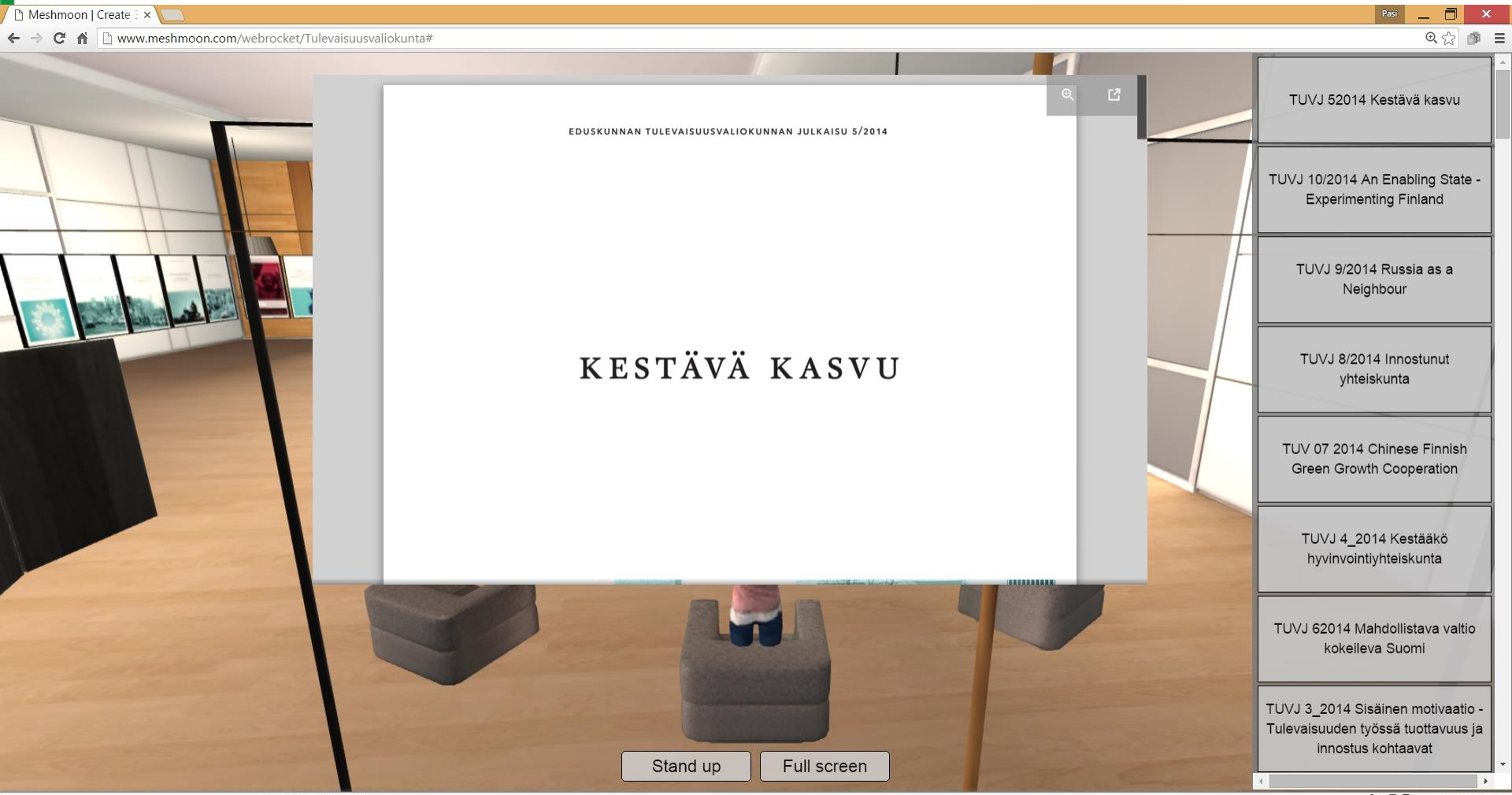
finpeda

pedagogy | architecture | technology

finpeda.fi

TuV report reading

finpeda
Innovations in education



pedagogy | architecture | technology

finpeda.fi

TuV report reading

finpeda
Innovations in education



pedagogy | architecture | technology

finpeda.fi

TuV report reading

finpeda
Innovations in education



pedagogy | architecture | technology

finpeda.fi

TuV report reading

finpeda
Innovations in education



pedagogy | architecture | technology

finpeda.fi

TuV report reading

finpeda
Innovations in education



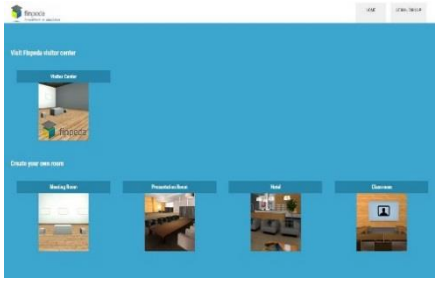
pedagogy | architecture | technology

finpeda.fi

Finpeda Virtual Space (FVS)

finpeda
Innovations in education

1. PORTAL



2. SPACE



3. AVATAR



HOMEPAGE = HOMESPACE

.. What you used to know as a 2D homepage, today we have it as a 3D homespace ..

Finpeda Virtual Space (FVS) is a browser based 3D Virtual Multi-user Environment:

- Company showroom
- Project meeting room
- Distance learning and training solution

Excellent tool for social communication and project work!

Other use cases:

- Safety trainings
- Vocational education

Try it out: finpeda.com/virtual – Just use your Chrome browser!

Finpeda Virtual Space

finpeda
Innovations in education

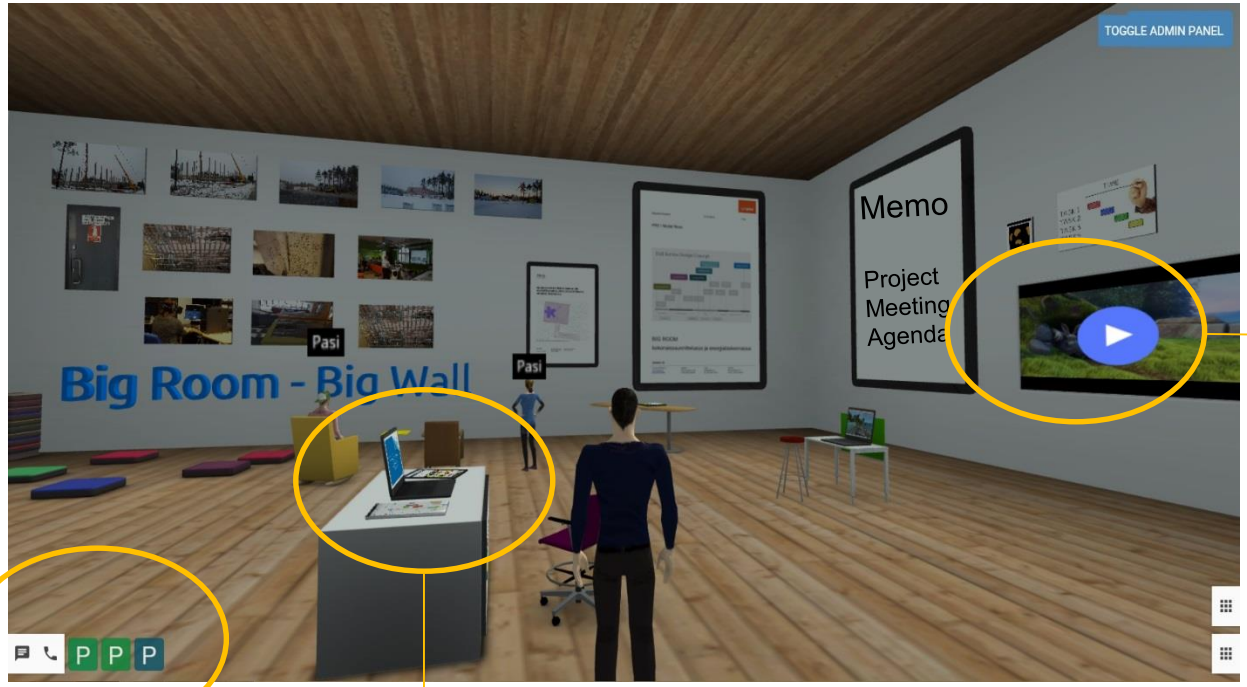


pedagogy | architecture | technology

finpeda.fi

Finpeda Virtual Space

finpeda
Innovations in education



Presentation tools

Project working tools

Social communication tools

Finpeda Virtual Space

finpeda
Innovations in education



pedagogy | architecture | technology

finpeda.fi

Finpeda Virtual Space

finpeda
Innovations in education

Project pictures

Memo

Schedule



Project plan

Workflow

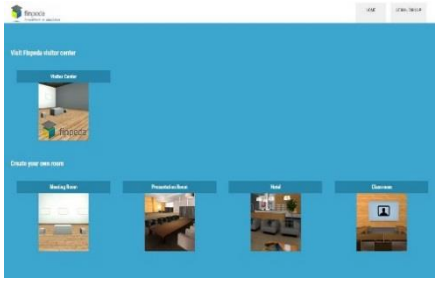
Calendar

Timeline

Personal avatar, multiuser social communication and training space

Virtual Committee for the Future

finpeda
Innovations in education



1. PORTAL: virtual.eduskunta.fi

Establishment of portal for the Virtual Committee for the Future

- Access to public meeting room (e.g. report reading room)
- Work spaces for working groups



2. ENTRANCE 3D SPACE:

Modelling work

- Reception



3. PERSONAL 3D AVATAR:

Avatar development

- Social communication
- Project working

finpeda

Innovations in education

CEO Pasi Mattila

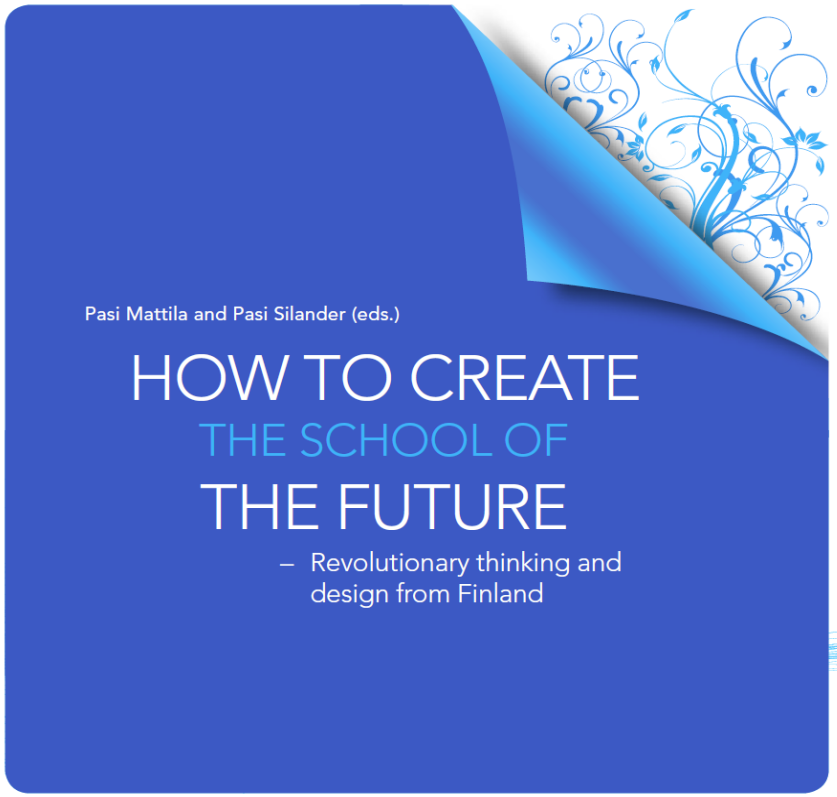


pedagogy | architecture | technology

finpeda.fi

HOW TO CREATE THE SCHOOL OF THE FUTURE

– REVOLUTIONARY THINKING AND DESIGN FROM FINLAND



“Cycle of Change”
finpeda.com/futureschool

“The School of the Future is not just a building, it is a change process in the working culture.”

Pasi Mattila, Pasi Silander



New Pedagogical Factory



NEW EDUCATION CHARACTERISTICS

- Joy, Motivation, Well-Being, Transition, New Methods, Teamwork, Simulations, Games
- Renewal, Sustainable, Safe and Healthy
- Entrepreneurship, Social Skills

KOULU SCHOOL

OLD SCHOOL	NEW SCHOOL
Old Fashioned	Modern
Bureaucratic	Flexible
Standardized	Personalized
Teacher centered	Student centered
Text book based	ICT supported learning
Subject based	Project based
Teaching based	Learning based

finpeda.fi

finpeda

Innovations in education

New Pedagogy Factory

A. Training
BASIC PACKAGE

- **Kick-off workshop**
  - Goals
  - Pedagogy
  - Architecture
  - Technology
  - Change of working culture
- **Phenomenon based learning workshop**
  - New methods in learning

2 training days
1 trainer/day

B. Training
DEVELOPER PACKAGE

- **Basic package +**
- **Success program**
  - Change process
  - Leadership
  - Content
  - Methods
- **Simulation (option)**
  - Gamified learning and training process

5 training days
2 trainers/day

C. Training
PEDAGOGY FACTORY

- **Taylor made training programs**
  - Strategic leadership
  - Development projects (ICT and infrastructure)
  - Learning/teaching methods
  - Follow-up (in-situ)
  - Certificate, audit
  - Virtual Space (technology, model, functionalities)
  - Serious learning games (e.g. safety training)

Content and training packages planned together with stakeholders

Finnish School

finpeda
Innovations in education



CONCEPT SCHOOL

- New school concept for 250-500 students
- Ready made design
- Other rental services
- Cost efficient solution
- Training (*) included



LOG SCHOOL

- Healthy new school for 400-600 students
- Multipurpose house
- Wooden school
- Ecological solution
- Safe (e.g. earth quake)
- Interior design
- In- and outdoor spaces



DESIGN SCHOOL

- New school design for 600-800+ students
- High-end architecture design
- Innovative learning spaces
- Public-Private partnership
- Pedagogical planning
- ICT technology plan
- Media, cave spaces

(*)Training:
How to use the school efficiently.
In-service training for staff about new learning and teaching methods.

Virtual Space

finpeda
Innovations in education







VIRTUAL SPACE HOME

- Virtual space for learning and teaching
- Company showroom
- Project presentation
- Learning and training space
- Social communication, project working and presentation features

5000 € + 50 € / month
(starting from)

VIRTUAL SPACE PROJECT

- Project working space for teams and groups
- Corporate training rooms
- "Big rooms" for projects
- Team work solutions
- STE(A)M teaching content
- Learning analytics etc. services
- Virtual Space applications

Project space, ask price

VIRTUAL SPACE PERSONAL

- Individual spaces for teachers and students
- In-service environment for teachers (K-12, VET)
- Portfolio spaces for students
- Master and Phd thesis room
- Design your own space and collaborate with peers

Personal space, ask price

finpeda
Innovations in education

Finnish Education Study Tour

FEST



Helsinki • Oulu • Pudasjärvi • Rovaniemi

finpeda.fi

finpeda
Innovations in education

pedagogy | architecture | technology

finpeda.fi

finpeda
Innovations in education

finpeda pedagogy | finpeda architecture | finpeda technology

Are you ready for the School of the Future? Join us to see what it looks like!

Experience the Finnish education and meet its passionate developers and practitionners.

Let us tailor a customized study tour for you and your colleagues to the land of education and Northern lights. We guide you to the latest trends in strategic leadership, pedagogy, architecture and technology.

From educators to educators,
and from Finland with love!
Visit **www.finpeda.fi/fest**
and reserve your seat!

OECD PISA

OFFICIAL MEMBER OF FUTURE LEARNING FINLAND

finpeda Ltd.

Vellamontie 12

90510 Oulu

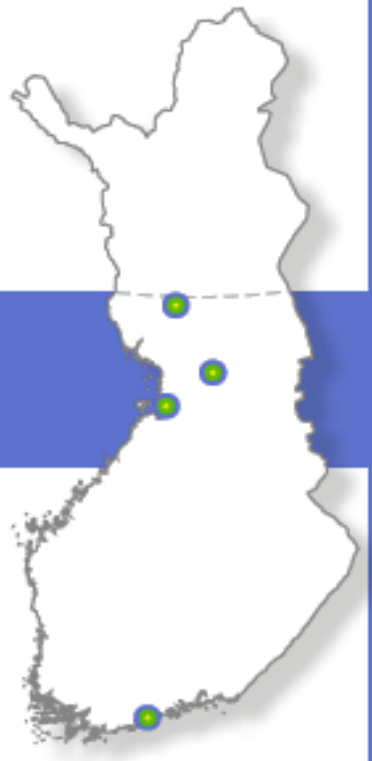
Finland

tel.: +358 50 5490083

contact@finpeda.fi

www.finpeda.fi/virtual
www.facebook.com/finpeda
www.twitter.com/finpeda

Finnish Education



Value proposition

- ✓ World-class Finnish learning environment, world-class learning results
- ✓ Motivated and well-being employees and pupils
- ✓ Improved professional skills of teachers
- ✓ Multi purpose use of the school premises and technology
- ✓ Sustainable development & e-quality education – the multipurpose house in the middle of community enables lifelong learning
- ✓ The same costs than by building traditional learning environments

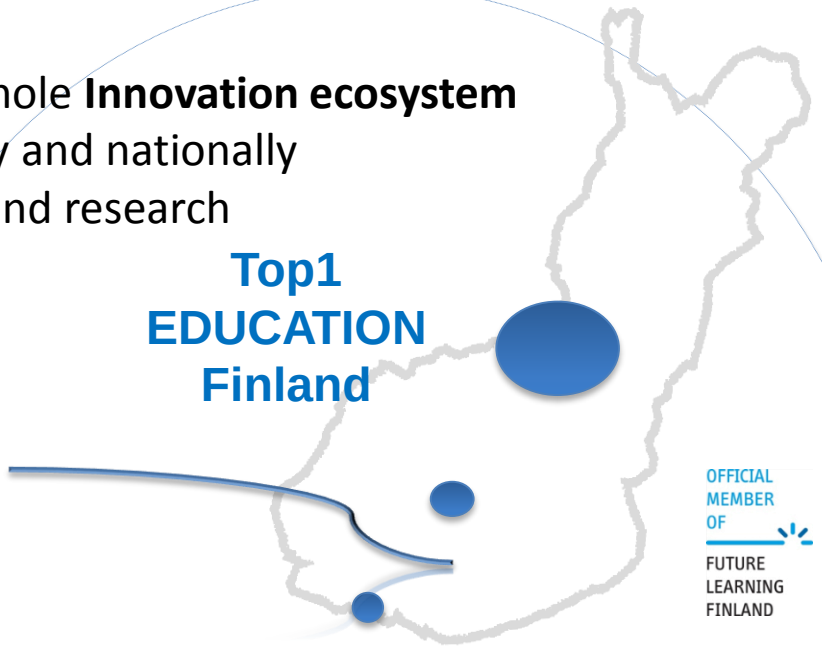
Give the best start to your children!

finpeda.fi

finpeda
Innovations in education

Finnish Education Development and Export Model

- Finland is **forerunner in learning** environments and **education business** solution development
- Education provides solid ground for the whole **Innovation ecosystem**
- **Connects key players** in the field regionally and nationally
- **Promote Finnish excellence** in education and research globally and share the best practices
- **Ubiquitous everyday life** is a platform from idea to innovation, from scenario to pilot and to future education products
- **Research based development** provide better learning solutions for global markets
- New Opportunities for **Education export and Business activities**
- Through **global partnership**, co-operation, conferences and change of ideas we foster new innovations and ideas!



OFFICIAL MEMBER OF FUTURE LEARNING FINLAND

Come to visit us, join
Finnish Education Study Tour (FEST)!

As part of our educational study tour you will visit in Helsinki, Oulu, Pudasjärvi and Rovaniemi.

finpeda
Innovations in education

TOP 7 Intelligent Communities of the Year

© FINPEDA Oy 2016

finpeda
Innovations in education

Finpeda Ltd.
Vellamontie 12
90510 Oulu
Finland

tel.:+358 505 490 083
e-mail: contact@finpeda.fi
webpage: www.finpeda.fi

facebook.com/finpeda
twitter.com/finpeda

finpeda

pedagogy | architecture | technology

finpeda.fi

As part of the education development we will create and provide the best possible learning environment solutions and technologies for you and your children



Contact information:

Pasi Mattila

Future School of Finland
www.finpeda.fi
firstname.lastname@finpeda.fi
+358 50 5490083

We are a member of **Future Learning Finland (FLF). FLF** is the national network of education sector operators in Finland.

OFFICIAL MEMBER OF FUTURE LEARNING FINLAND

Together with our subcontractors we are able to plan, offer and implement the best practices from Finnish School system (pedagogy, architecture and technology) into the your concept according to your needs.

THE ULTIMATE OUTCOME IS THE 21ST CENTURY ADULT.
WE DON'T WANT 21ST CENTURY STUDENTS BEING TAUGHT BY 20TH CENTURY TEACHERS IN 19TH CENTURY CLASSROOMS.

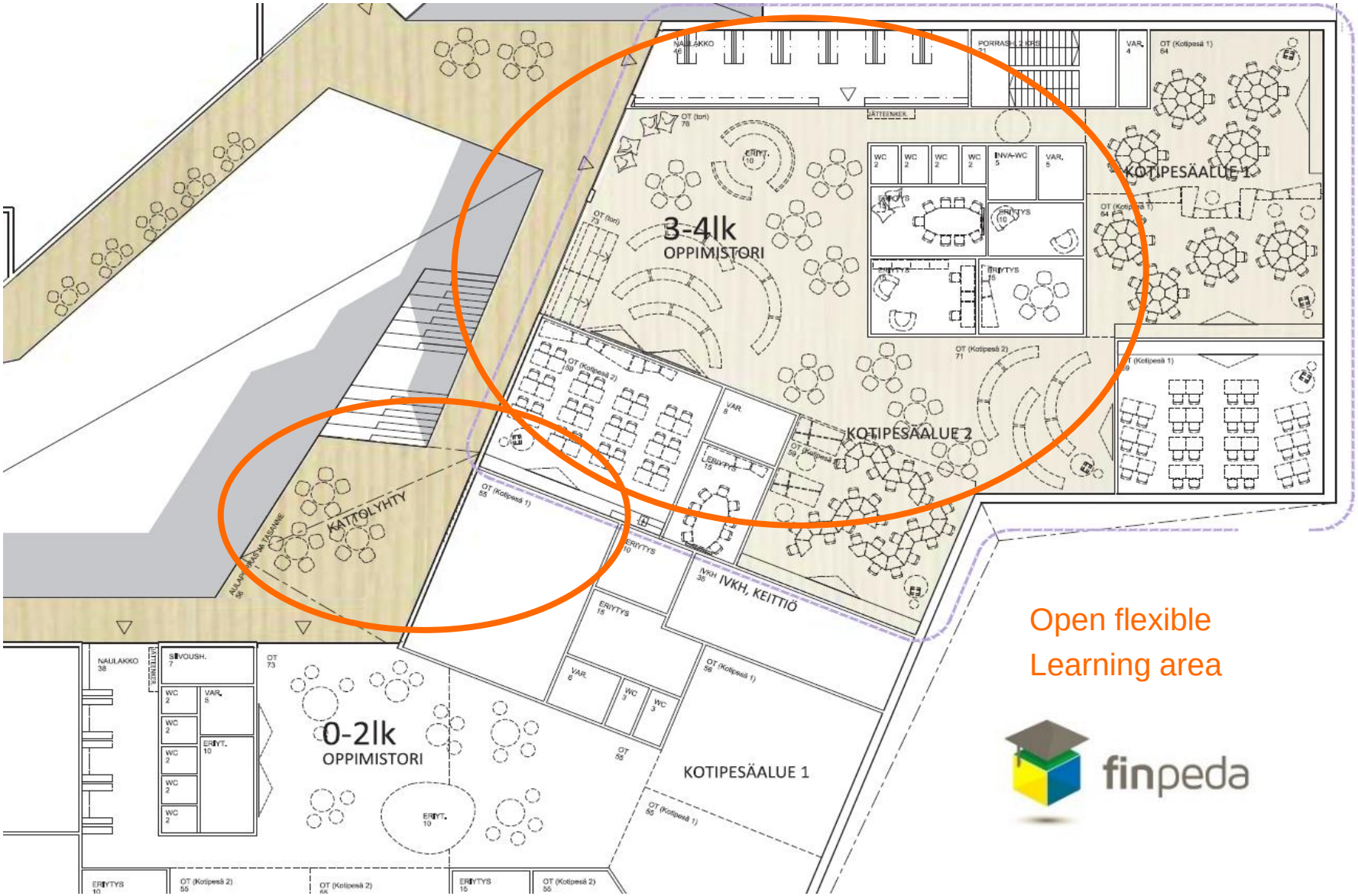


CLASSROOM





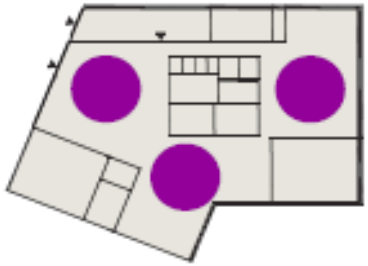
New type of classroom and learning environments does not have to cost more!


3-4lk
OPPIMISTORI
KOTIPESÄALUE 1
KOTIPESÄALUE 2
KATTOLYHTY
IVKH, KEITTIÖ
0-2lk
OPPIMISTORI
KOTIPESÄALUE 1
Open flexible
Learning area
finpeda



Traditional groups

- teaching



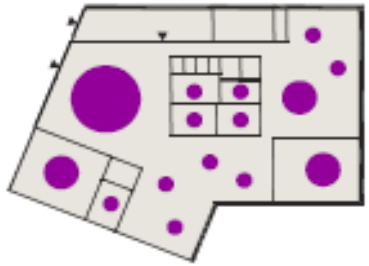
Big groups

- MOOC's
- project work



Small groups

- team work
- individual study



Hybrid groups

- learning

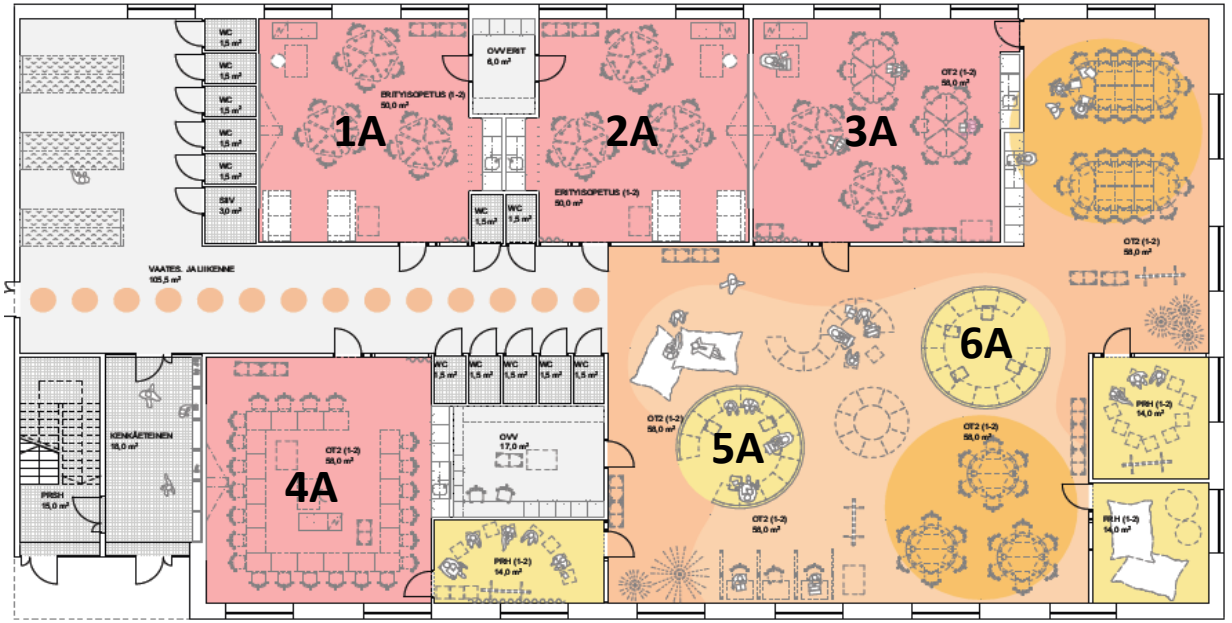
Traditional Learning Area

- Classroom (0,4-0,59)
- Corridor, lobby, closed rooms (autonomous)



Future Learning Space

- Learning area (0,7)
- More space for learning and project working



finpeda

Architecture

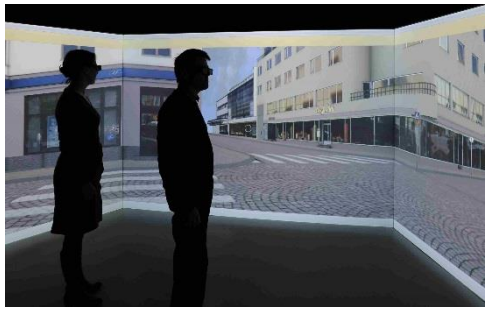
finpeda
Innovations in education

New School Building Design:



1. Pedagogical Design

- New models
- Cost efficient



2. Participatory Planning

- CAVE media
- Interior design



3D Virtual Model

- Working Culture
- Learning Space