

## Aalto PRO – For your Professional Growth

## Aalto University is the Second Biggest University in Finland

A multidisciplinary university, where science and art meet technology and business.

### Mission

Aalto University works towards a better world through

- top-quality research,
- interdisciplinary collaboration,
- pioneering education,
- surpassing traditional boundaries,
- enabling renewal.

- staff 4300
- 300 professors
- 20 000 students

## What is Aalto PRO?



- The largest continuing education provider in Aalto University
- Dedicated to serve professionals and organizations by actively developing their competence and competitiveness.
- Builds on decades of experience
- Other continuing education providers at Aalto University: Aalto University Executive Education ja Aalto Small Business Center

## A snapshot of our training areas

- Design
- Innovations
- Commercialising
- Quality
- Intellectual Property Rights (IPR)
- Security
- Project Management
- New Technologies
- Information Management
- Operations Management
- Product Development
- Organisational Development



## CEE tackling Climate Change

- Targets for principles of Energy Policy for Europe:
- A cut of at least 20% in greenhouse gas emissions from all primary energy sources by 2020 compared to 1990 levels
- A cut of up to 20% in carbon emissions from primary energy sources by 2020 compared to 1990 levels

## ERA 17programme, Finland

- 'ERA17 for an energy-smart built environment 2017' was launched in Finland to provide answers to the challenges posed to the built environment by climate change mitigation.
- reduce greenhouse gas emissions by at least 20%
- increase the share of renewable energy sources to 20%
- 20% increase in energy efficiency in our final energy consumption

## Project UP-RES

- Urban Planners with Renewable Energy Skills
- Training of urban and regional planners in 5 partner countries, specifically Finland, Germany, UK, Hungary and Spain.
- Country specific due to differences between the countries
- Information from about 200 best practice cases



- Over 700 urban planning personnel trained in shorter 3-day workshops about renewable energy issues.
- Almost 300 regional and urban planners and architects trained.
- RES H/C planning tools developed for trainees
- The material and lessons learned generated by the UP-RES project available to planning schools and institutes in EU.



## ENEF project

- Central Baltic cooperation in energy efficiency and feasibility in urban planning
- A practical handbook of best practices in Estonia, Finland, Sweden and Latvia
- Develop joint networks to transfer innovative practices and tools of increasing the energy efficiency of buildings to regional and municipal planners, architects, engineers of construction companies



## Aalto PRO courses covering energy production, usage and efficiency issues

- Short courses how to produce and manage wind power
- Short courses introducing effective solar power usage in energy efficient house building
- University level energy efficiency specialist training program using the methods of *apprenticeship* (30 ECTS) with 3 universities
- a CPD course in Energy Efficiency and Renewable Energy Technologies in Construction Sector, RET Pro (20 ECTS)



Aalto PRO

Continuing Education from Aalto University

# Thank you

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