



Aalto University

Where science and art meet
technology and business

New Trends in Research & Corporate Co-operation

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Key arguments

- Location and proximity do matter
- New platforms are needed
- Crossing disciplinary borders adds value
- Multi-level dialogue is required

Location and proximity do matter



Suomen Ilmakuva Oy

Location and proximity do matter



Location and proximity do matter



Suomen Ilmakuva Oy

Open Innovation House



New platforms are needed: e.g. Aalto Factories

*Design
Factory*

*Media
Factory*

*Service
Factory*

*Health
Factory*



**Environments and ecosystems for research,
learning and co-creation**

- Researchers
- Students
- Companies
- Public sector



New platforms are needed: e.g. Aalto Factories



*Design
Factory*

*Service
Factory*

*Health
Factory*



New platforms are needed

Aalto Energy Platform

Platform Academic Board

*10 professor members
representing the energy knowledge
accumulated in Aalto*

Aalto Energy Efficiency Research Programme (AEF)

*Matti Pursula Chair
9 research projects in 2012-2016
With a volume of over 10 million euro*

A common front desk to energy related research and education activities

Project Manager, post-doc in the research area

Joint education initiatives

*EES – doctoral programme in energy
efficiency and systems (Aalto ENG)
Aalto Safe – minor program
on Nuclear Safety*

Energy Forum

*Communications channel between internal
and external stakeholders
Special events, workshops
Think-tank and initiator of concerted activities*

Crossing disciplinary borders adds value

Mechanism	Guiding principle	Activitie
Platforms	Thematic multidisciplinary research , education and innovation programs	Energy Platform: Aalto Energy Efficiency Research Micronova: Research Infra for micro- and nanotech Innovative City: Partner program with City of Helsinki HIIT: Helsinki Institute for Information Technology
Programs	Problem based multidisciplinary study programs and internships	Aalto Ventures Program: Learning for high-growth entrepreneurship International Design Business Management: Multidisciplinary learning platform Creative Sustainability: Multi-disciplinary learning platform Global Impact: Platform for better world projects Aalto Camp for Societal Innovation ACSI: Learning camp concept Aalto Student Business Projects: Tailored real-life case projects with industry partners Aaltonaut: Multidisciplinary candidate program
Factories and Accelerators	Conceptualization and development of real products, services and businesses	Design Factory: Interaction platform for product design Media Factory: Interaction platform for media Health Factory: Interaction platform for health technology ACE: Aalto center for entrepreneurship and technology transfer Startup Sauna: Setup to aspire and facilitate startups Startup Center: Startup incubation center EIT ICT Labs: European Institute of Innovation and Technology ICT-focused Helsinki node UrbanMill: Interaction platform of co-creation for living environments
Labs and Hubs	Focused multidisciplinary activities to explore opportunities in a narrowly defined domain	AppCampus: Catalyst for Windows mobile app development ADDLab: Digital design laboratory Learning Hubs: Hubs and spaces for interaction in learning Cruise and Ferry Experience: Multidisciplinary platform for cruise concept studies and research

Multilevel dialogue is needed

Forms of dialogue

Objectives

*Professor/Management
contacts
Focused events*



**Research projects
and education collaboration**

*Publications,
solutions, learning*

Multilevel dialogue is needed

Forms of dialogue

Objectives

*Aalto Energy Forum,
Joint projects and events*

**Collaboration
platforms**

*Multidisciplinary innovation
Operationalize through Platforms,
Factories, Labs and Hubs*

*Professor/Management
contacts
Focused events*

**Research projects
and education collaboration**

*Publications,
solutions, learning*

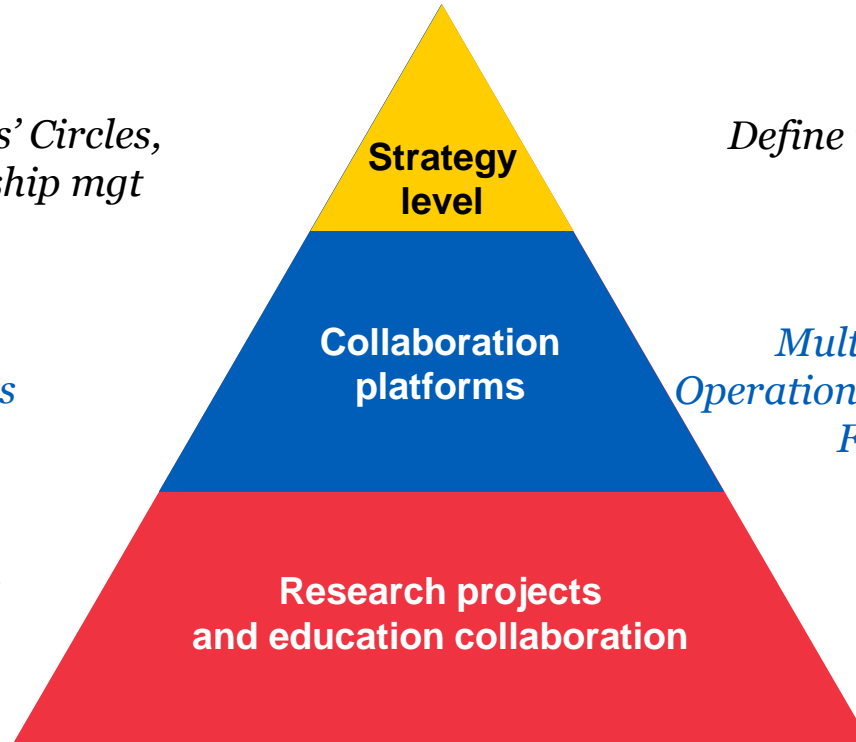
Multilevel dialogue is needed

Forms of dialogue

*President's Circle, Deans' Circles,
CEO meetings, relationship mgt*

*Aalto Energy Forum,
Joint projects and events*

*Professor/Management
contacts
Focused events*



Objectives

*Define themes for collaboration
Create new agenda*

*Multidisciplinary innovation
Operationalize through Platforms,
Factories, Labs and Hubs*

*Publications,
solutions, learning*

The University value bundle













Resources: People
Money
Infra

Better world
Competitiveness

Multidisciplinary & Concurrent

The goals?

*The best universities to co-publish with industries**

Rank	University	Country	P	PP(UI collab)
1	Eindhoven Univ of Technology		5334	15.6%
2	Delft Univ of Technology		7188	14.0%
3	Chalmers Univ of Technology		3887	13.9%
4	Tech Univ of Denmark		7124	12.9%
5	KTH Royal Institute of Technol		6359	12.8%
6	Tokyo Inst of Technology		8466	12.3%
7	Waseda University		3543	12.0%
8	Norwegian Univ of Sci & Technol		6141	11.8%
9	George Mason University		3110	11.4%
10	Aalto University		4260	11.3%



The CWTS **Leiden Ranking 2013 measures the scientific performance of 500 major universities worldwide, using a set of bibliometric indicators.*

Thank you