



Aalto University *in brief*

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April 7, 2016

Aalto University

A foundation-based university of
technology, business, arts and architecture



An innovative society

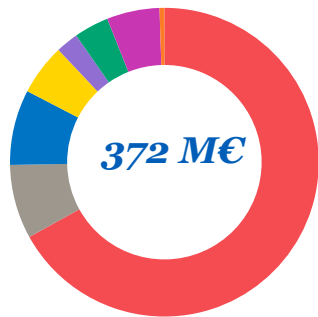
Breakthrough discoveries deeply
integrated with design and
business thinking enable systemic
solutions and accelerate
innovation

Shaping the future:

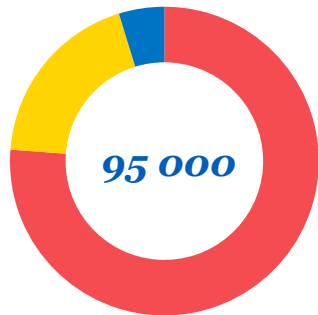
Science and art together with
technology and business



Key figures



Funding 2015



Aalto University community



Professors

- Active professors 409
- Female professors 20%
- International professors 18%

Students

- Active students 10 973
- International students 2 800
- Bachelor degrees 1 661
- Master degrees 1 967
- Doctoral degrees 256

Results

- Peer-reviewed publications 2 020
- Crown indicator 1.52
- International awards for artistic works 39

School of Arts,
Design and
Architecture

School of
Business

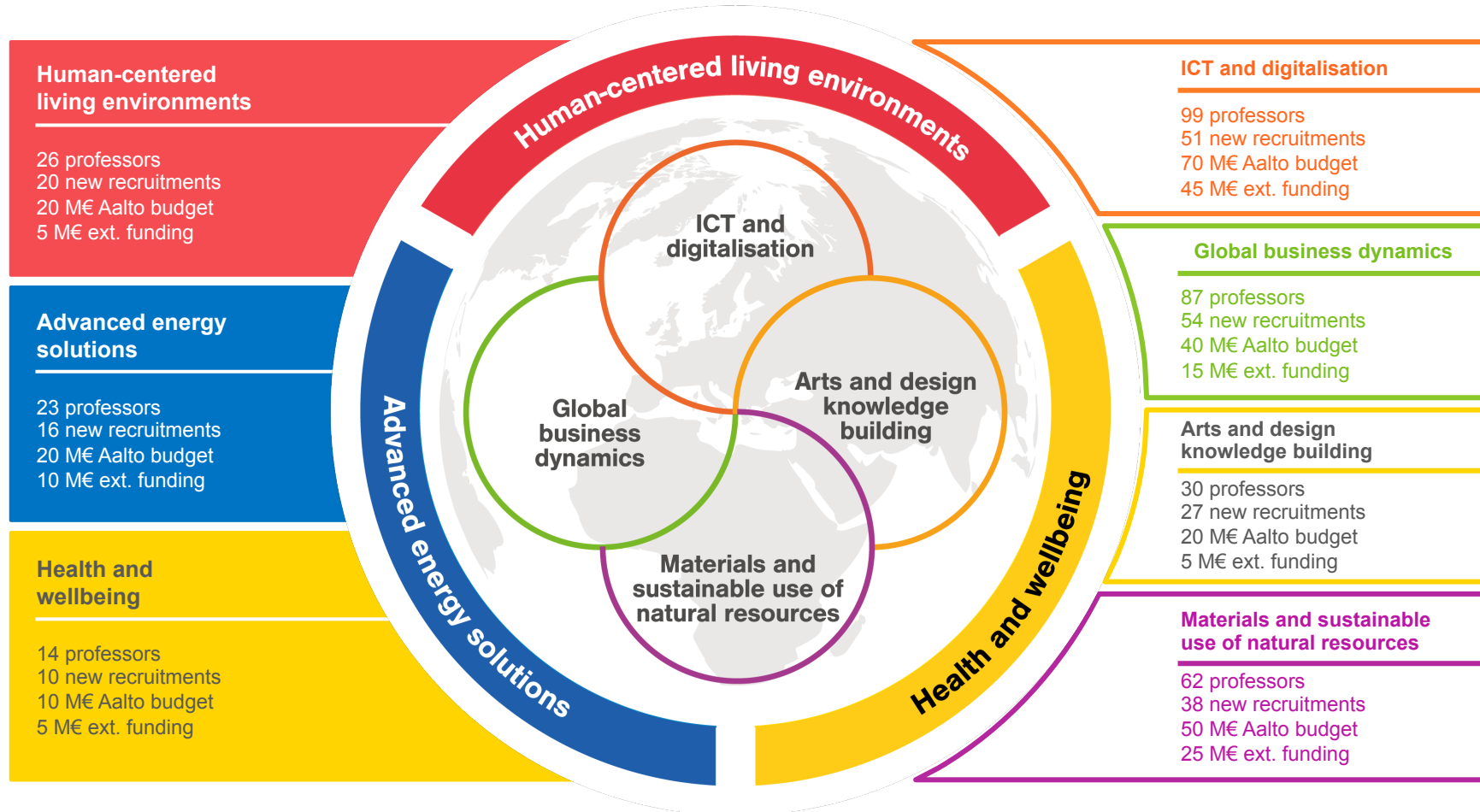
School of
Chemical
Technology

School of
Electrical
Engineering

School of
Engineering

School of
Science

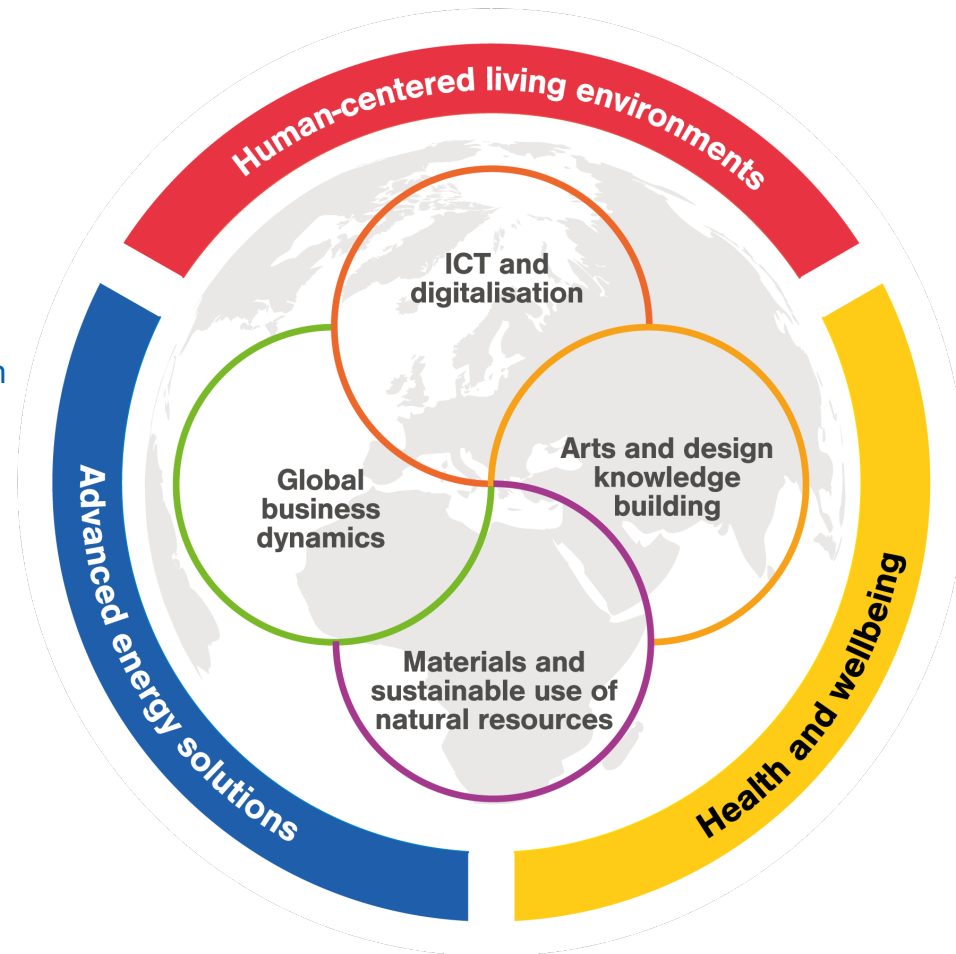
Aalto Key Research Areas



Multidisciplinary way of working

Multidisciplinary platforms within Aalto Focus Areas

- Joint vision and co-creation
- Large challenge-driven research projects
- External visibility, access point to Aalto
- Joint study packages



2013	Energy Platform
2014	Digi Platform
2015	Living+ Platform
2016	Health Platform
Plan 2016	Materials / bioeconomy Platform
Plan 2017	Entrepreneurship Platform

Bioeconomy

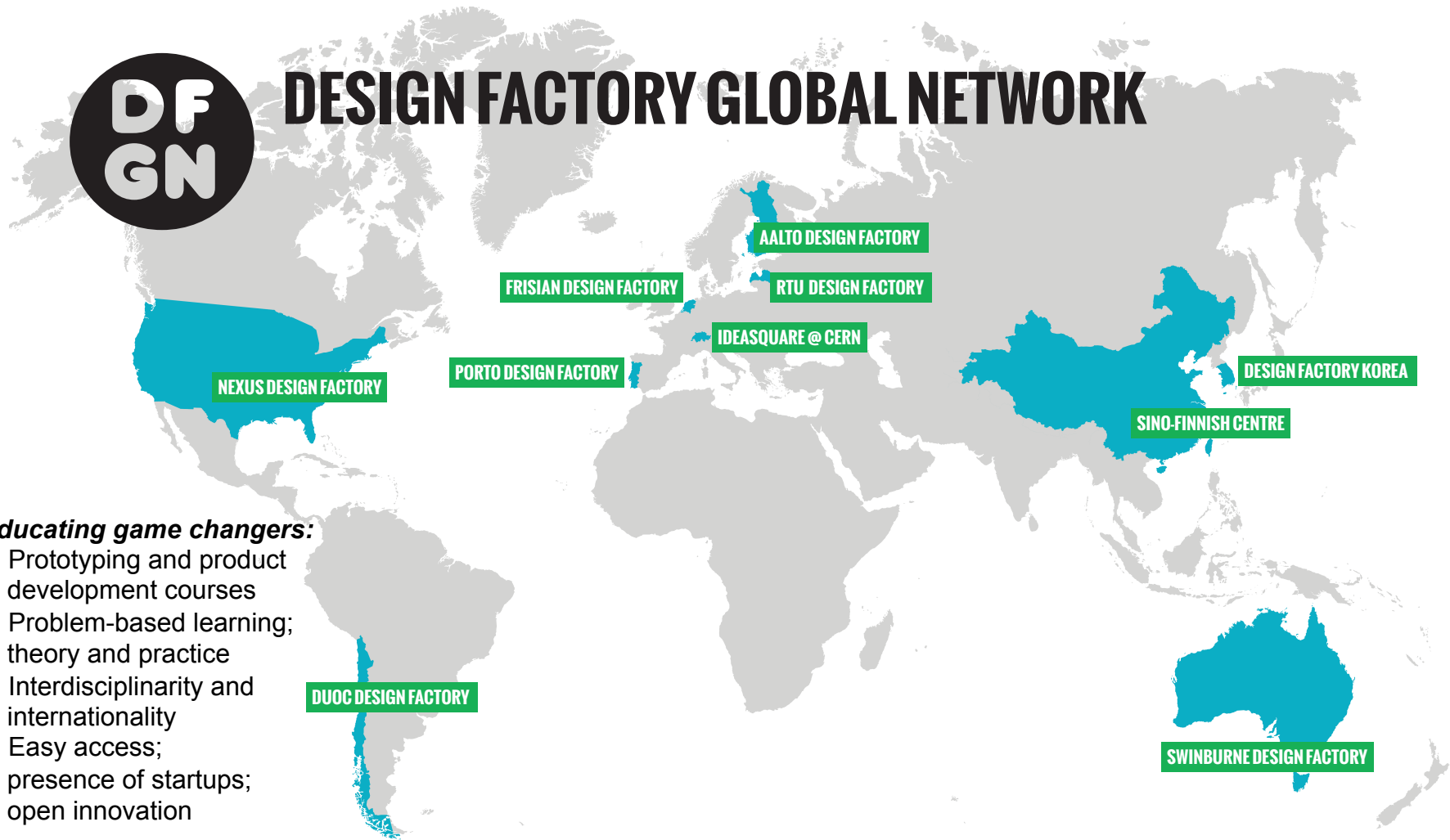
- Next generation bioenergy and biofuels
- New material solutions through synthetic biology
- Novel high value materials such as nanocellulose from biomass
- Wood construction for carbon storage

- Modern biorefineries for sustainable production of renewable chemicals, materials and energy
- Novel cellulose-based solutions to replace cotton globally in the textile industry
- Smart packaging solutions

- Sustainable processes that use industrial internet
- New business and design ecosystems with SMEs and start-ups connected with university research
- Novel multidisciplinary bioeconomy teaching programs



DESIGN FACTORY GLOBAL NETWORK



Educating game changers:

- Prototyping and product development courses
- Problem-based learning; theory and practice
- Interdisciplinarity and internationality
- Easy access; presence of startups; open innovation



Promoting *entrepreneurship*

Startup Sauna

Organisation which coaches aspiring startup companies and entrepreneurs.

- 30-40 businesses involved each year
- 30 students doing internships in Silicon Valley and other business clusters
- SLUSH – leading startup event in Europe

 **Aaltoes.com**

Europe's largest student-run entrepreneur community.

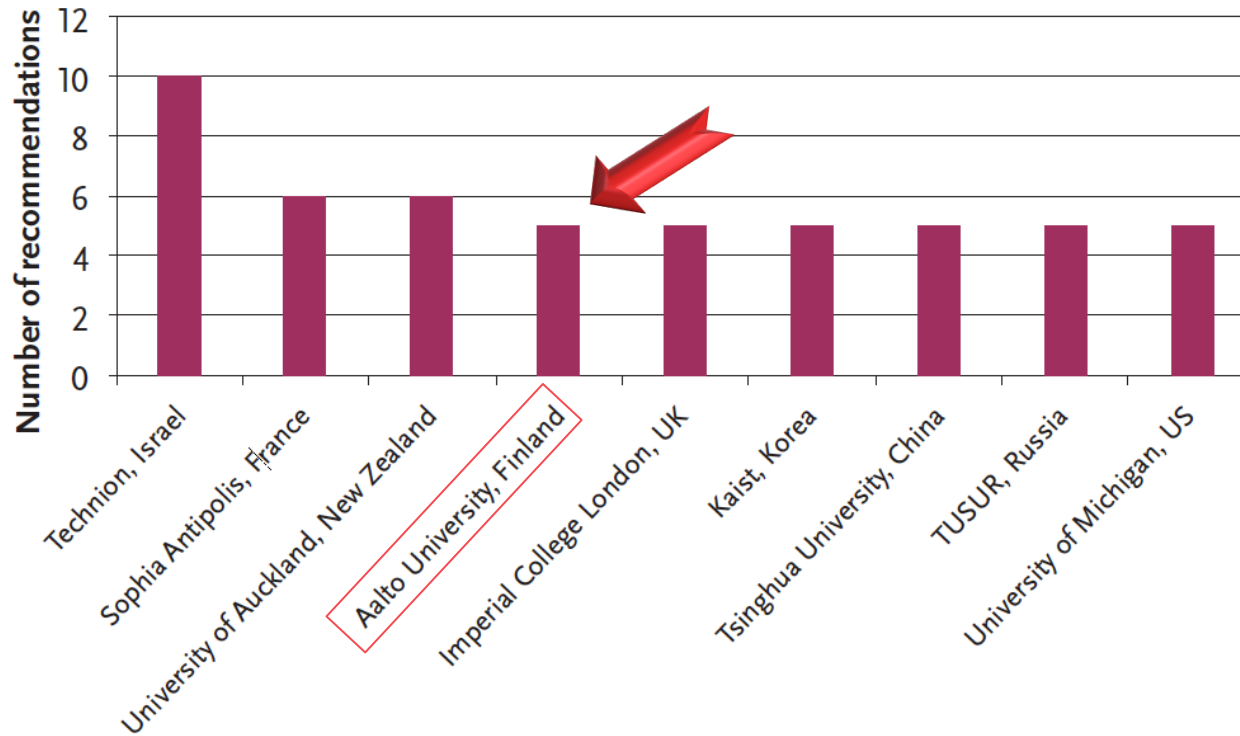
- 9,000 community members
- 100 active
- 8,000 participants in events each year



World-class startup event organized by students.

- 1500 startups
- 14,000 participants (2014)
- All major VCs, CEOs of >100 publically traded companies participating

Strong *innovation ecosystem*



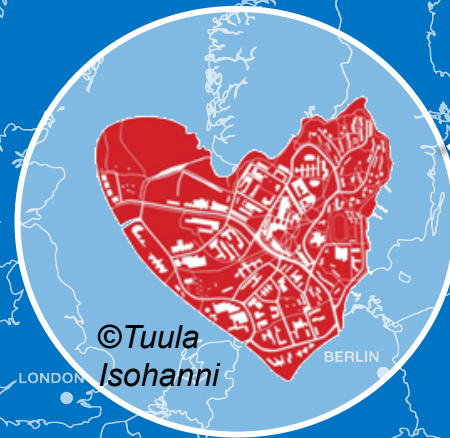
"[...] the formidable combination of strong leadership commitment, passionate stakeholder engagement and an effective national support system is likely to drive Aalto towards becoming a major international powerhouse for university-based entrepreneurship over the next decade."

Aalto for a stronger Finland

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