







EDUCATION

14.000 students 2.000 PhD's RESEARCH

9 Departments4 Interdisciplinary institutes

INNOVATION

The Gate Innovation Space Partnerships

Brainport Eindhoven

- Ca. 800.000 inhabitants
- 3 billion euros of private R&D
- ASML, Philips, NXP, Bosch, ThermoFischer + 3000 other companies

High-tech ecosystem:

Semiconductors / Artifical intelligence/ Integrated photonics / Additive manufacturing / Systems engineering







4th Generation University as driver of ecosystem

	3rd Generation		4th Generation
Goal	Education, research and knowledge transfer	•	Mission-driven (challenge-based) education, research and valorization
Role	Create value	•	Enable societal value creation
Method	Interdisciplinary research	•	Transdisciplinary research and multi-actor innovation
Human capital	Researchers, professionals and entrepreneurs	•	Researchers, professionals, entrepreneurs, artists, customers, ecosystem participants
Orientation	Global orientation	•	Ecosystem orientation
Organization	Institutes, centers	•	Innovation spaces
Interaction	Industrial partnerships	•	Integration in global and local ecosystems
Technology integration	Digital instruments	•	Advanced technology and Al integration





Elsevier – TU/e report

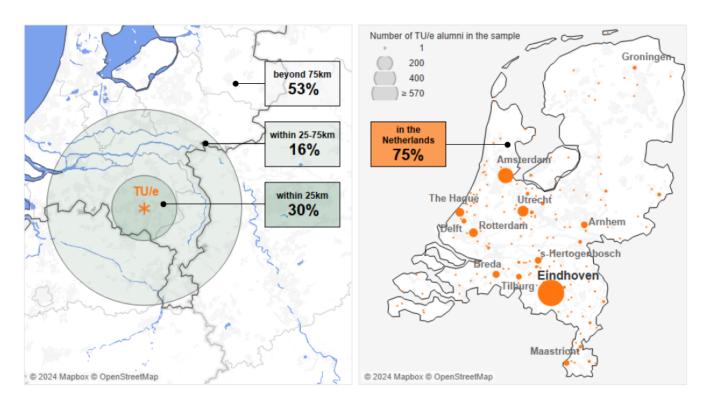
 Help to tell the story of universities in regional innovation ecosystems

 A strategic tool for universities to assess their performance as drivers of the ecosystem





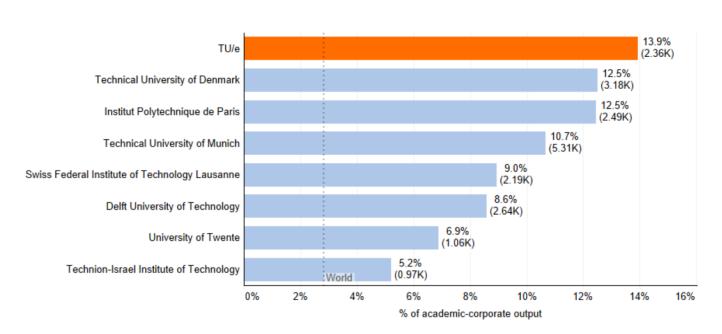
Gateway for top talent



Alumni stay rates for TU/e based on pilot sample analysis. *Source: LinkedIn*



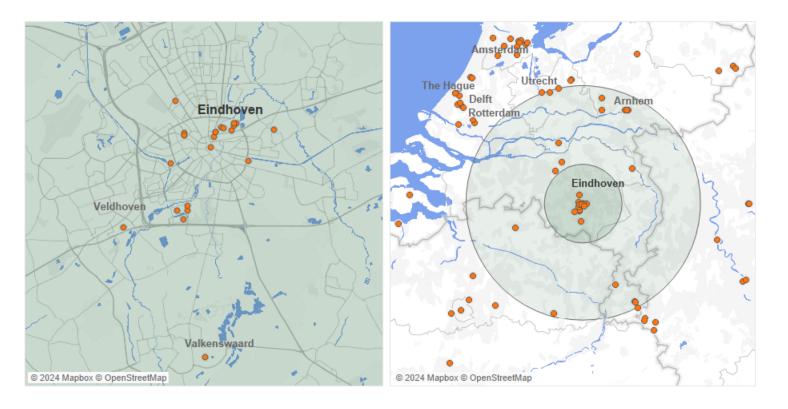
Partner for knowledge, technology & innovation: academy - industry co-publications



Share of academic—corporate output (2018–2022). Absolute number is shown in brackets. *Source: Scopus*

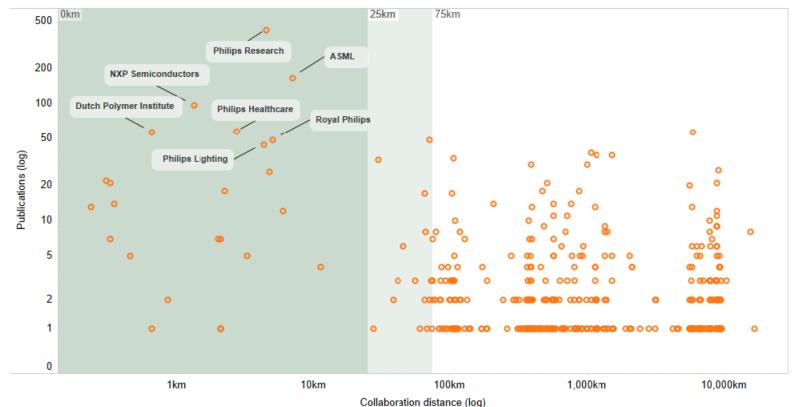


Academy – Industry co-publications





Co-publications: select partners



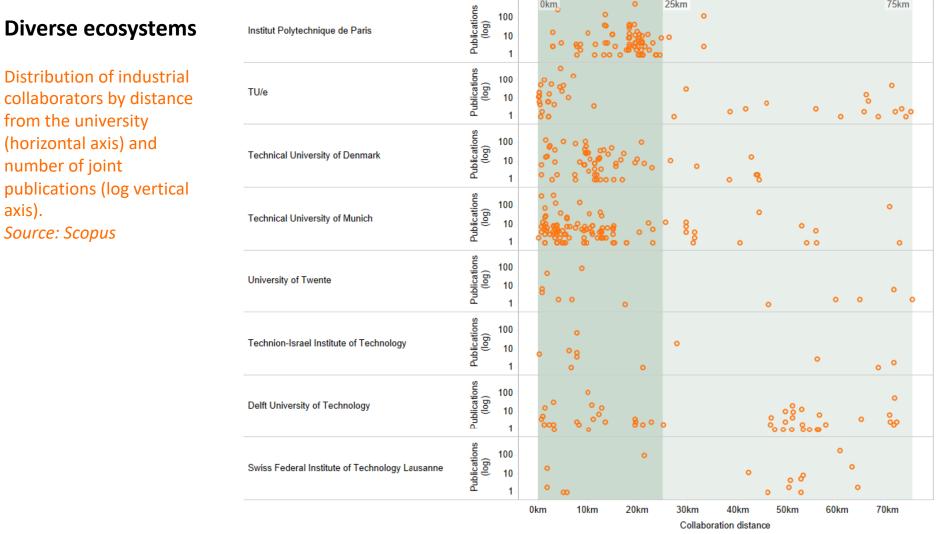


Diverse ecosystems

Institut Polytechnique de Paris

collaborators by distance from the university (horizontal axis) and number of joint publications (log vertical axis).

Source: Scopus



25km

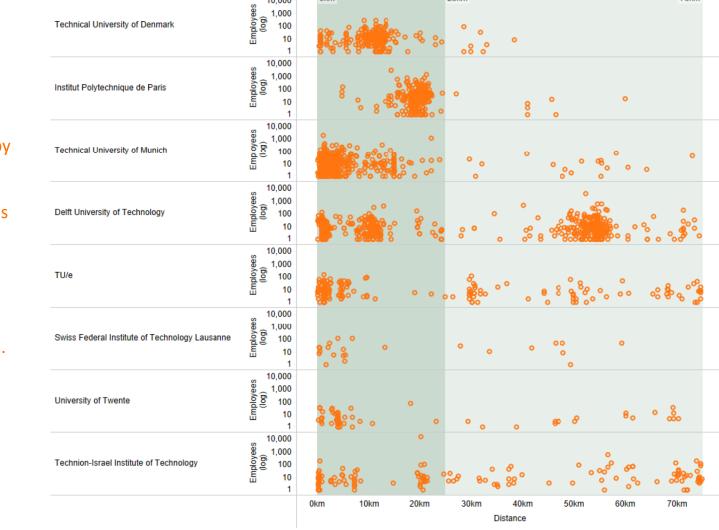
75km

Start-up ecosystems

Distribution of university alumni-founded start-ups by distance (horizontal axis) from the university and latest number of employees (log vertical axis).

Note that several companies, for which employee data was unavailable, were excluded.

Source: Dealroom



0km

10.000

25km

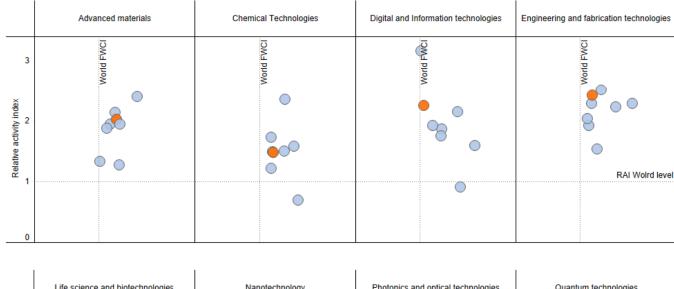
75km

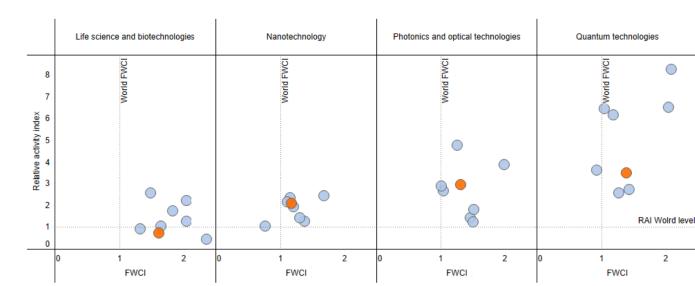
TU/e enabling innovation partner: key enabling technologies

Relative activity index

(specialization) and field-weighted citation impact of TU/e (orange) and comparators in key technology families (2018–2022).

Source: Scopus





Qualitative information about innovation ecosystem

Joint strategy making Brainport Development, TU/e in Brainport board

Co-creation platforms: Campuses, The Gate, Eindhoven Engine, Innovation Space

Partnerships ASML, NXP, ThermoFischer, VDL, KU Leuven, etc.

Joint infrastructure Living labs, pilot plants

Funds for start-up Deep tech fund, 4 EIT KIC's

Social actions:

Brainport voor Elkaar, Expat Center, Impact 040, Eindhoven

Studentenstad

International networks: Vanguard initiative, EuroTech, EuroTeq, Cluster, ERA-hubs







