



Co-creating the future

Welcome

Marcel de Pender – HELIUM Kick-off Meeting
23 May 2016

CO-CREATING THE FUTURE

INTRODUCING BRAINPORT EINDHOVEN

- High tech ecosystem
- Close co-operation
- Open innovation
- Accelerating growth
- Smart society
- Thriving community
- World-class hotspot
- Boosting agility



YESTERDAY: CO-PIONEERING

Trust

CO-CREATING THE FUTURE





CO-CREATING THE FUTURE



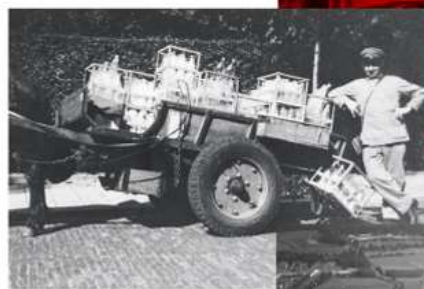
1950 >

COMPANY TOWN



LOPENDE BAND

RECREATIE



TU/e

ONDERZOEK



STRIJP-S



CO-CREATING THE FUTURE



EVOLUON



PRODUCTS FROM BRAINPORT

A long tradition of succesful innovations...



CO-CREATING THE FUTURE

ECONOMIC CRISIS: RISE OF BRAINPORT



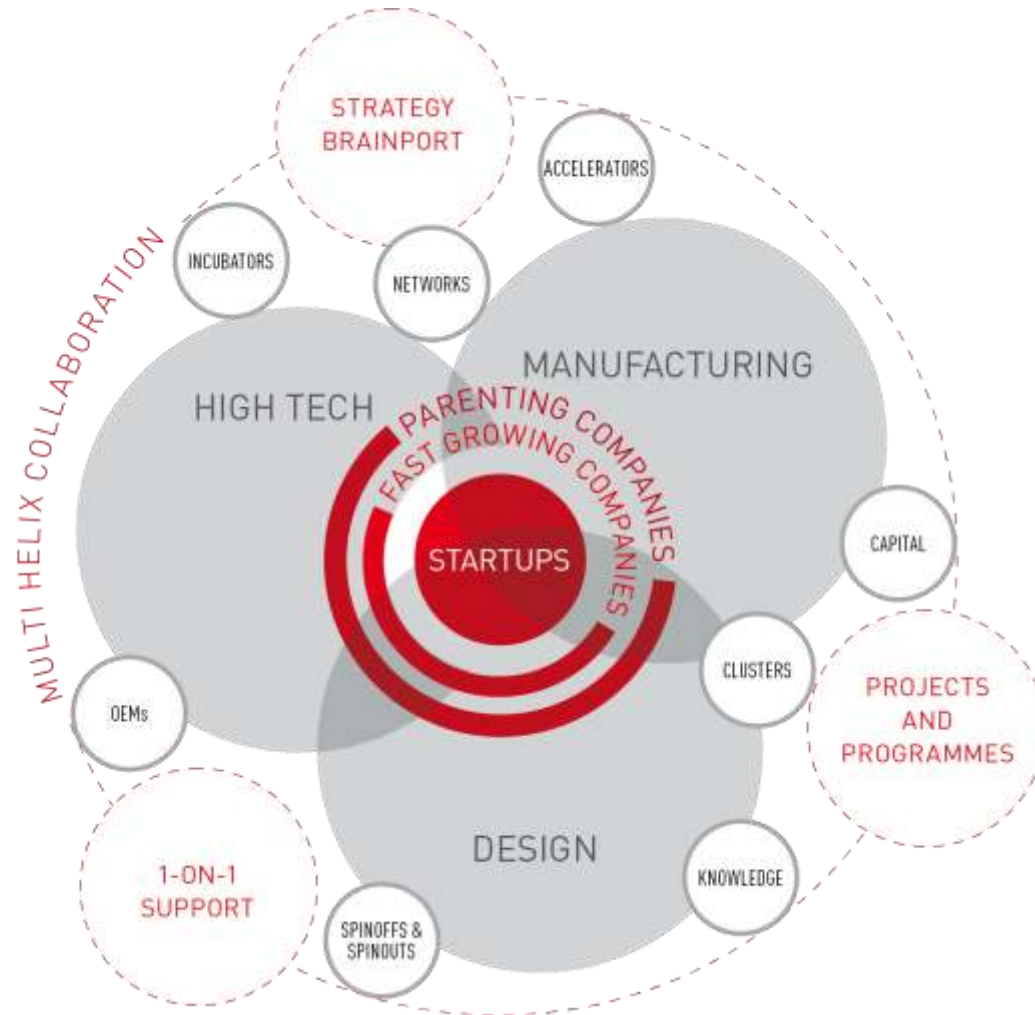
CO-CREATING THE FUTURE

TRIPLE HELIX COOPERATION



CO-CREATING THE FUTURE

BRAINPORT'S ECOSYSTEM



CO-CREATING THE FUTURE

BRAINPORT: PROVIDES SUPPLY CHAIN FOR HIGH-TECH



SEMICON



MEDICAL



ANALYTICAL



PRINTING

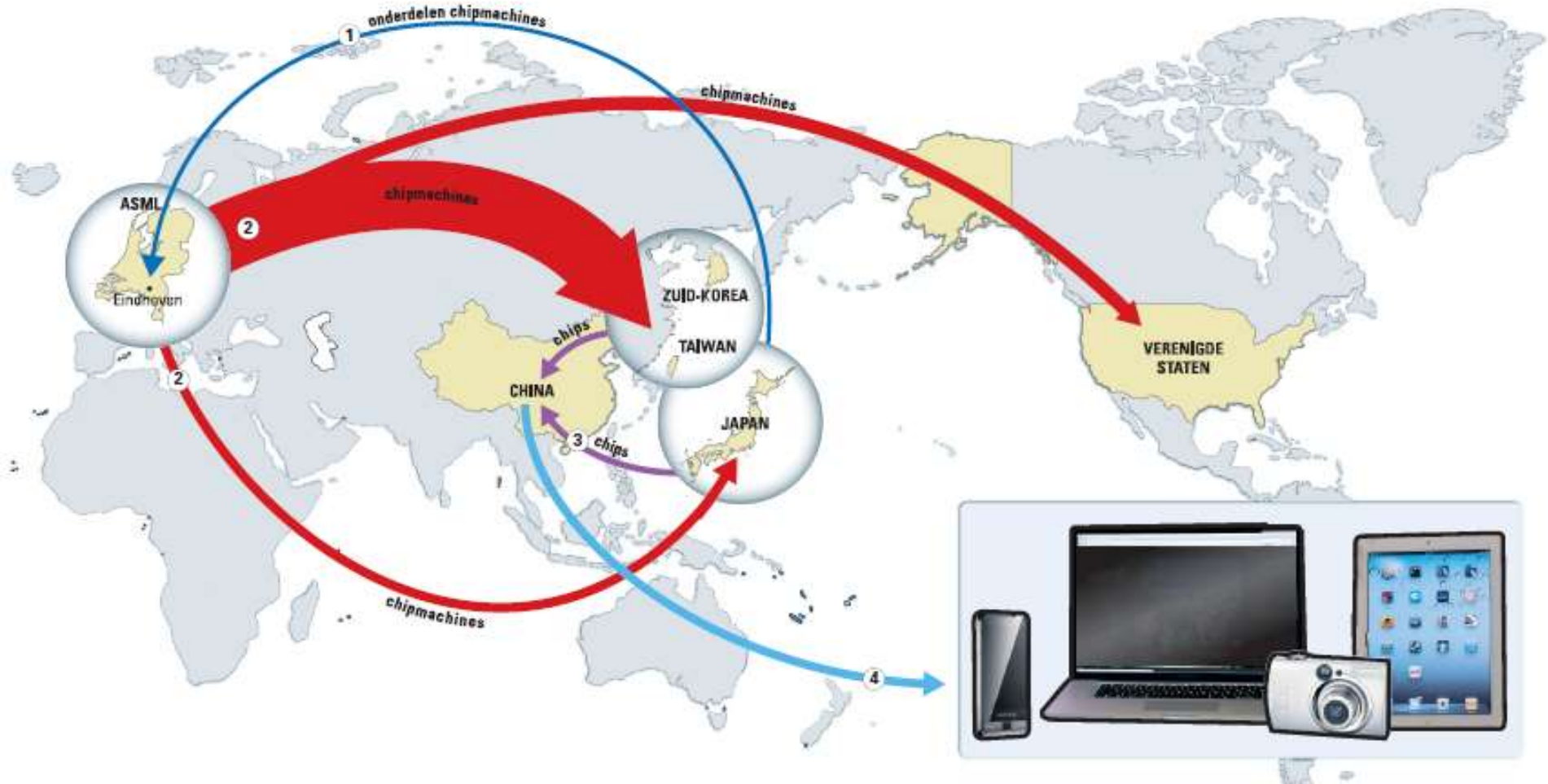


PHOTO VOLTAIC



CO-CREATING THE FUTURE





BRAINPORT A HUB IN EUROPE



Major airports nearby:

- **Schiphol**, Amsterdam, The Netherlands
Distance: 120 km
- **Düsseldorf**, Germany
Distance: 120 km
- Brussels, Belgium
Distance: 130 km
- **Eindhoven Airport**, the Netherlands

European destinations nearby:

- **Berlin**, Germany: 560 km
- **Paris**, France: 360 km
- **London**, UK: 390 km

CO-CREATING THE FUTURE



RECOGNITION: ECONOMIC PILAR of the dutch economy



TODAY: CO-INNOVATION

Open minded

CO-CREATING THE FUTURE



OPEN INNOVATION

Philips NatLab becomes High Tech Campus Eindhoven

CO-CREATING THE FUTURE



OPEN INNOVATION

At campuses



High Tech Campus



TU/e Science Park



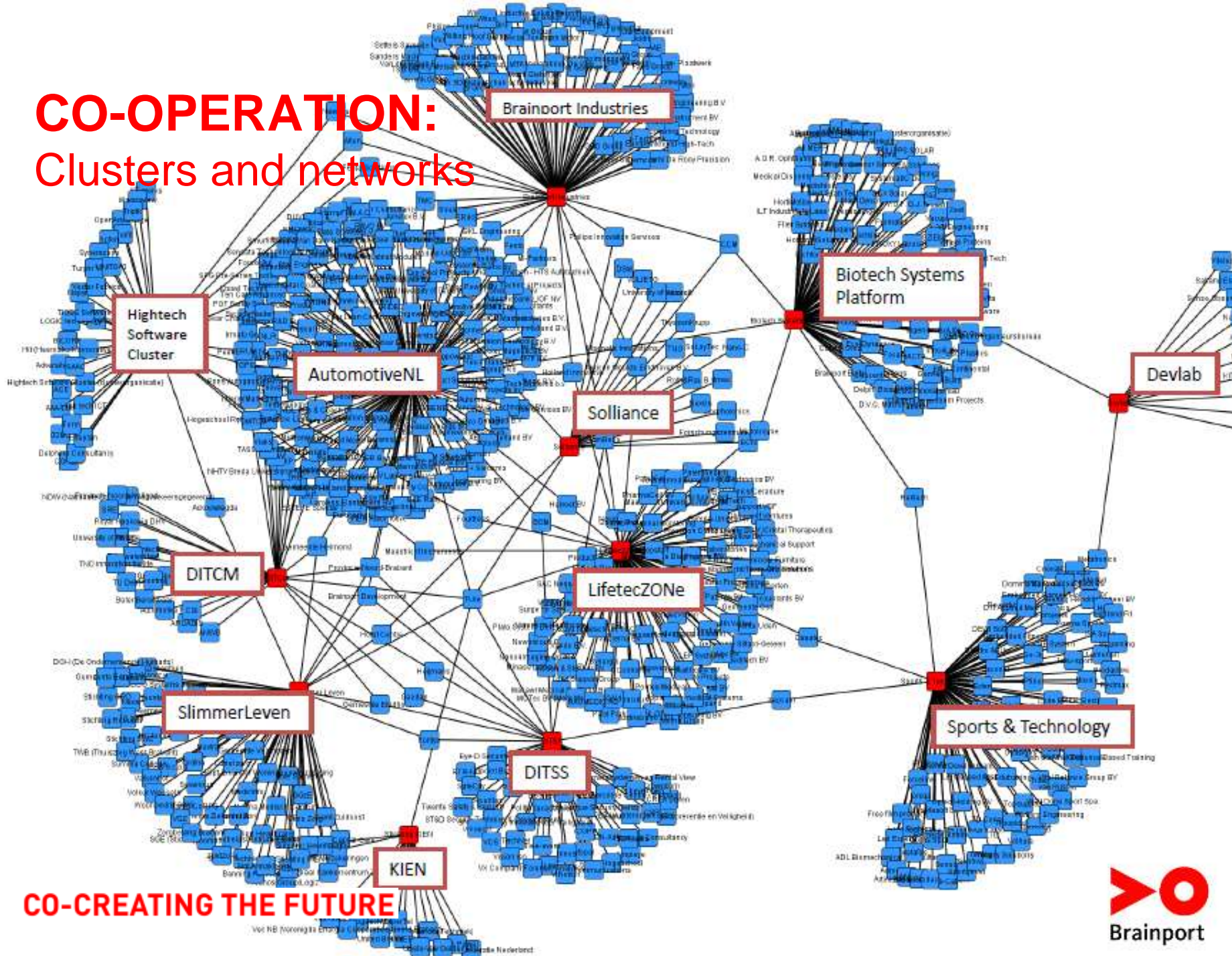
Strijp S



Automotive Campus NL

CO-CREATING THE FUTURE

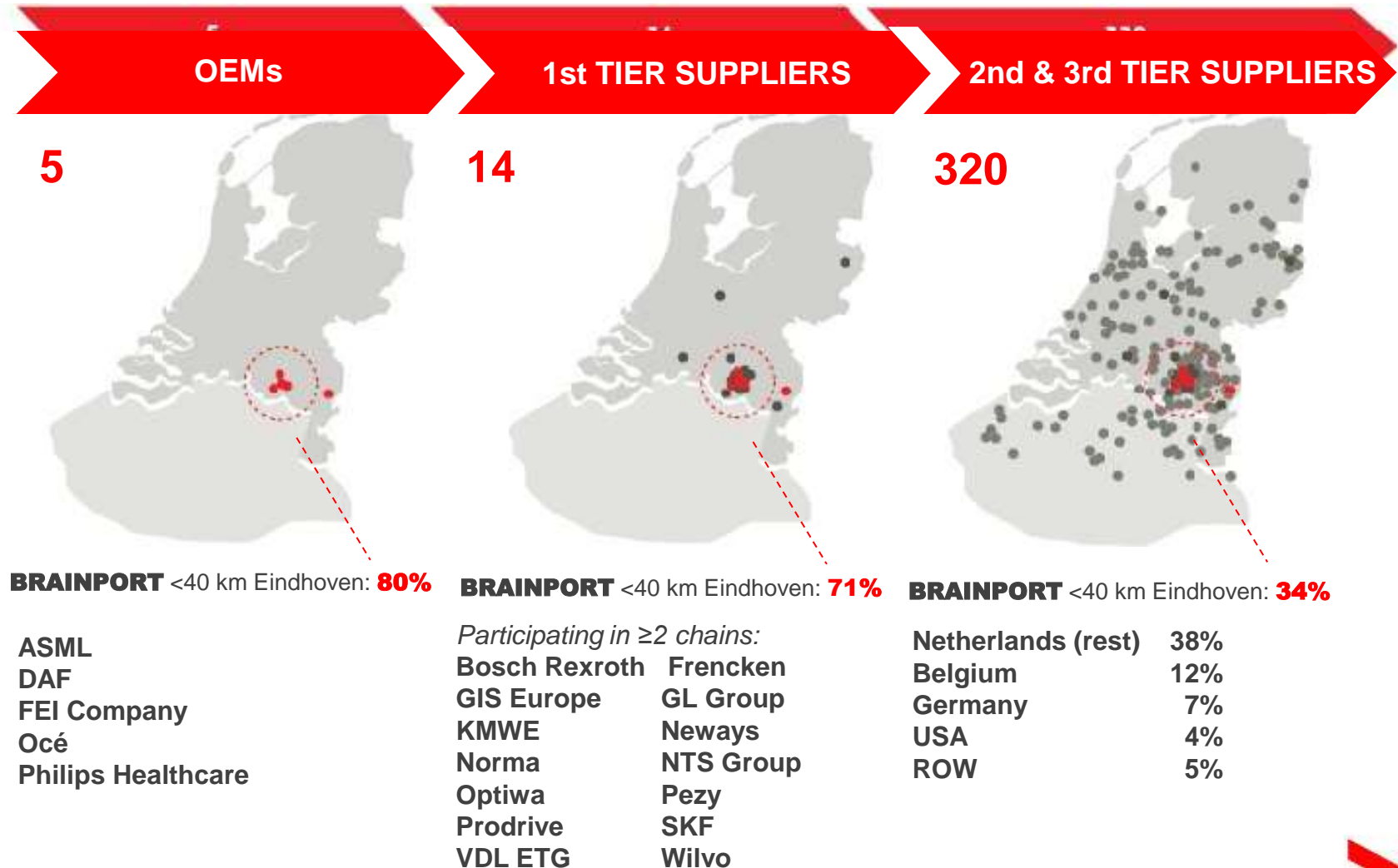
CO-OPERATION: Clusters and networks



CO-CREATING THE FUTURE



CO-OPERATION IN THE SUPPLY CHAINS



CO-CREATING THE FUTURE

INNOVATIVE PRODUCTS FROM BRAINPORT

Present



CO-CREATING THE FUTURE

RECOGNITION: EUROCITIES AWARD

Best co-operation



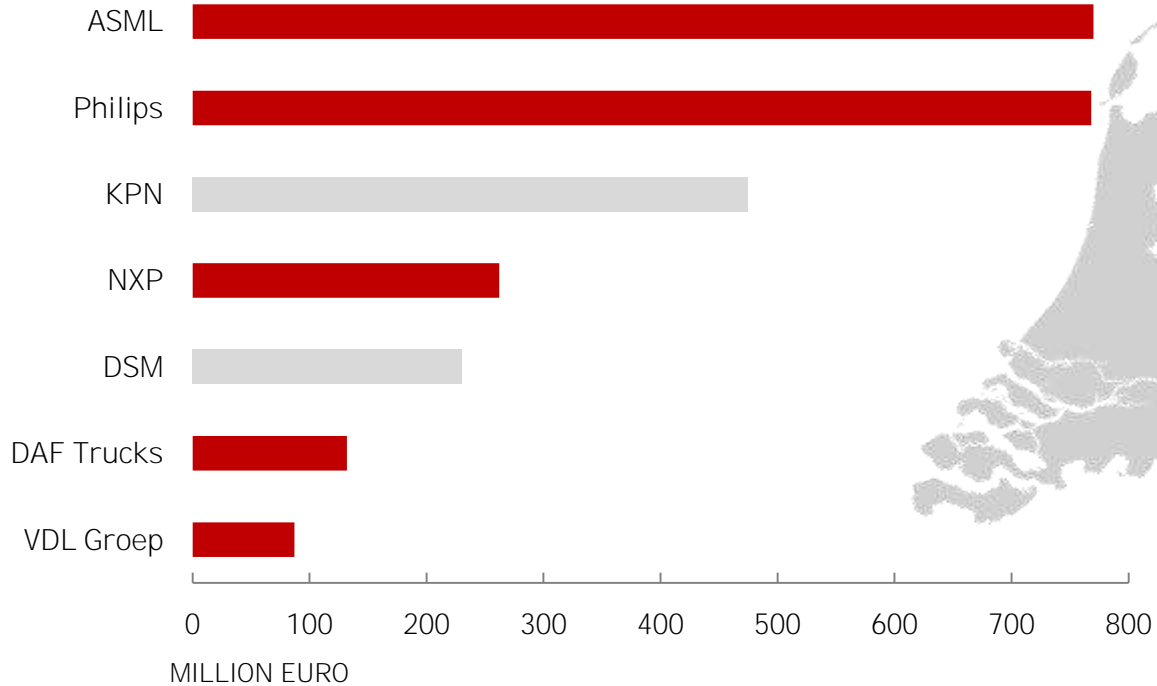
SMART: TOP 7 DUTCH R&D COMPANIES

ASML
PHILIPS

NXP

DAF

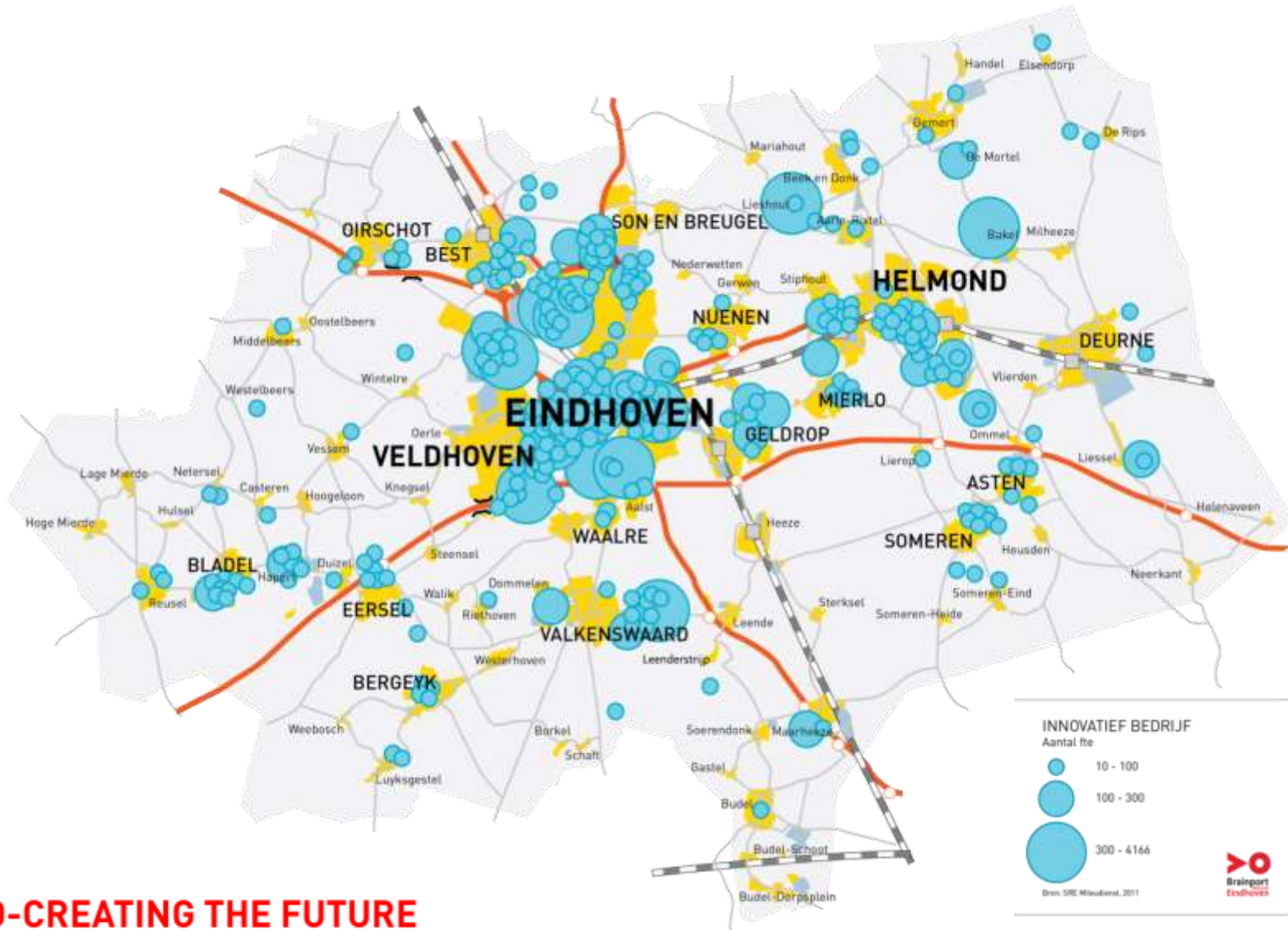
VDL



Bron: Technisch Weekblad, 2016

CO-CREATING THE FUTURE

SMART: INNOVATIVE COMPANIES BRAINPORT



CO-CREATING THE FUTURE

VERY INNOVATIVE SMES

Share of turnover of products and services less than 3 years on the market, 2010



Brainport

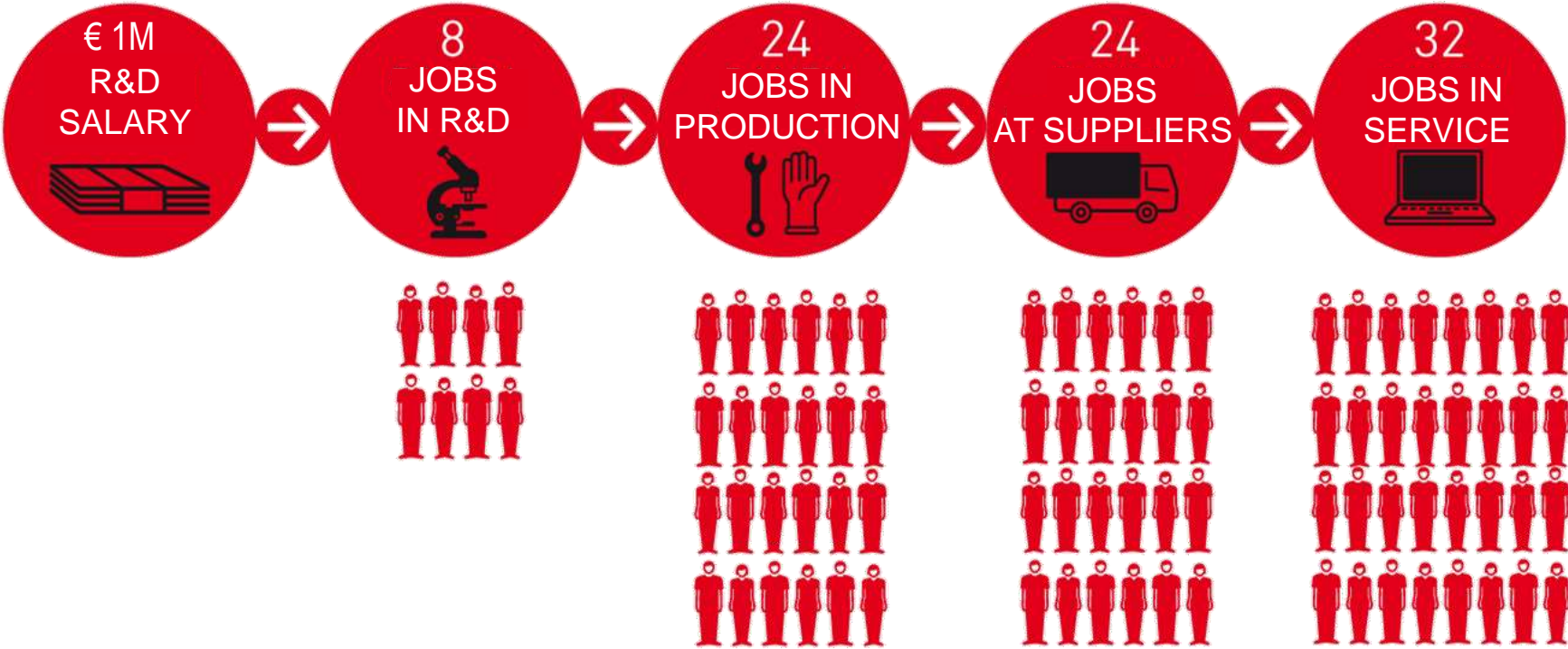


The Netherlands

Source: CBS CIS

ONE JOB IN HIGH TECH R&D

Produces 8-10 jobs directly and 70-100 indirectly

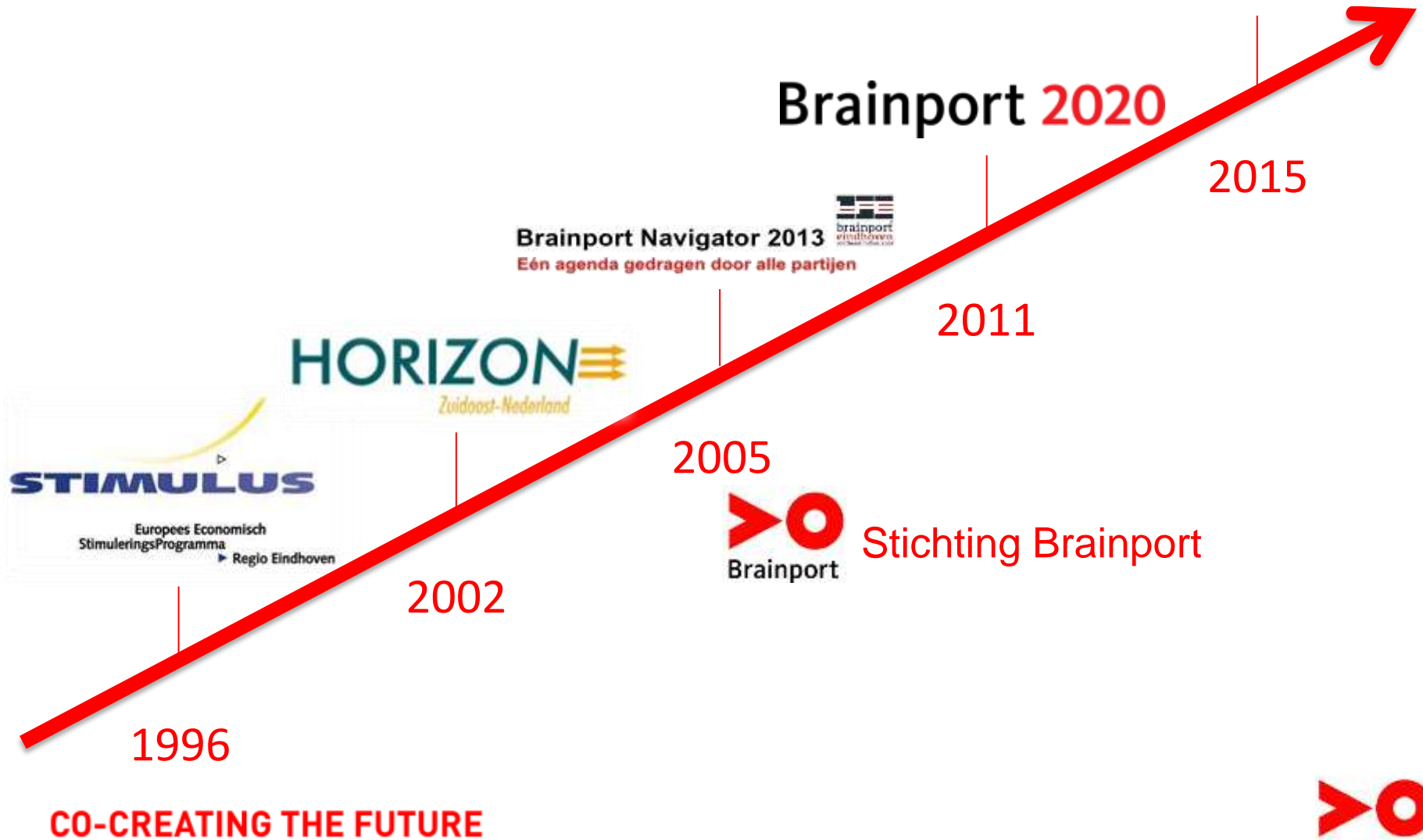


RECOGNITION: SMARTEST REGION



STRATEGY DEVELOPMENT

BRAINPORT
NEXT GENERATION



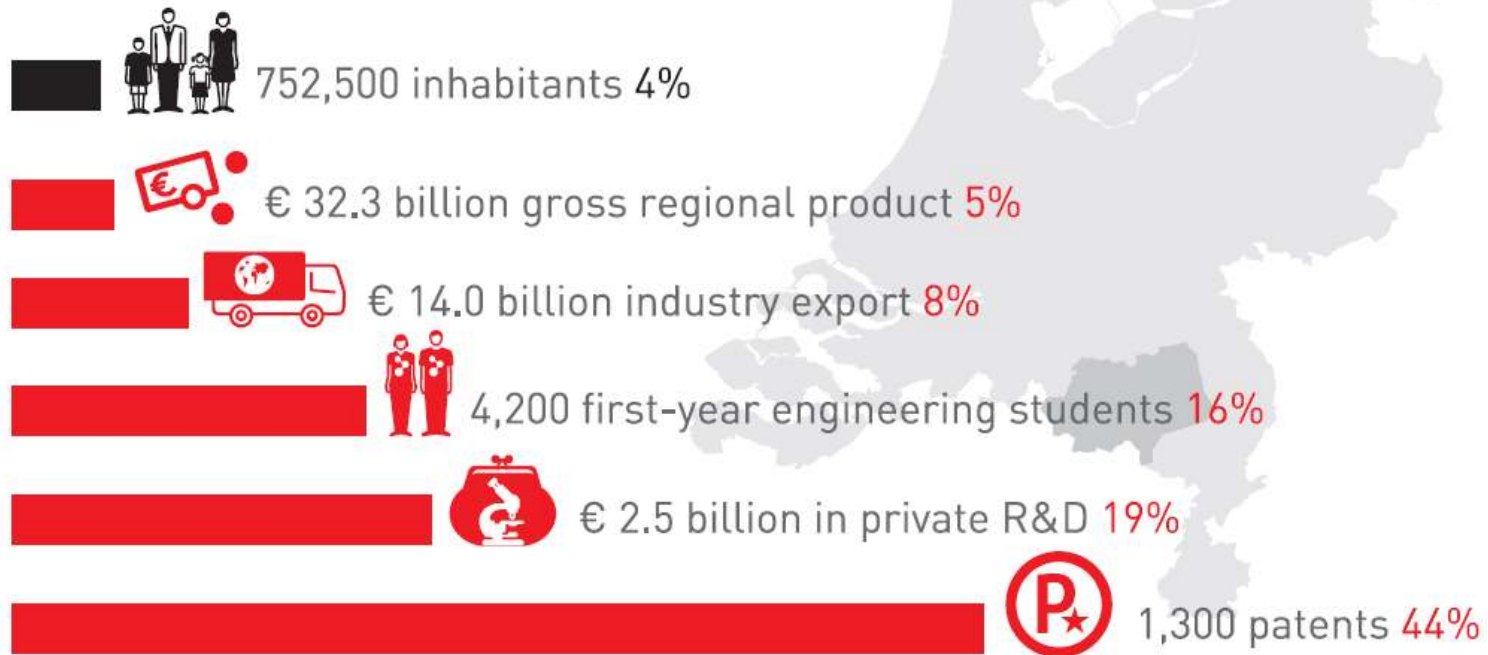
CO-CREATING THE FUTURE



BRAINPORT ECONOMIC STRONG

- Economic growth above Dutch average
- Unemployment under Dutch average
- Number of starters > 7% above Dutch average
- Number of strong growing companies 19% above Dutch average
- Doubled public R&D spending
- Trebled number international knowledge workers

SHARE IN DUTCH COMPETITIVENESS



MORE INTERNATIONAL RECOGNITION

Forbes

“Eindhoven is hands down the most inventive city in the world”

FORTUNE

“The next Silicon Valley could well be in Eindhoven”



“Singularity University pilots Eindhoven, the Netherlands, for global expansion”



“The Dutch city of Eindhoven is ranking third as European City of the Future”



“Eindhoven wins Eurocities award for best regional cooperation”



“Eindhoven University wins Oscar of Technology with solar powered car Stella”

CO-CREATING THE FUTURE



INTERNATIONAL RANKINGS

EUROPEAN ICT HUBS

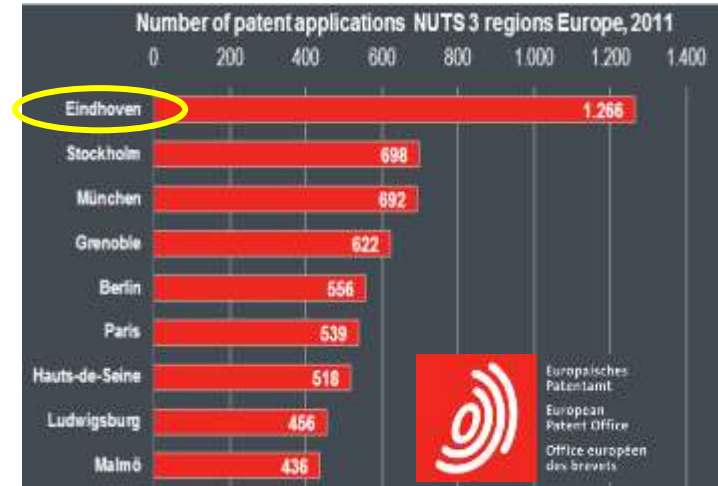
An Atlas of EU areas where digital technologies thrive

1.	München	DE	100
2.	London	UK	97
3.	Paris	FR	95
4.	Karlsruhe	DE	80
5.	Cambridge	UK	78
6.	Stockholm	SE	77
7.	Darmstadt	DE	73
8.	Helsinki	FI	70
9.	Eindhoven	NL	70
10.	Amsterdam	NL	64
11.	Leuven	BE	61
12.	Bonn	DE	59
13.	Paris (La Defence)	FR	59
14.	Milano	IT	59
15.	Berlin	DE	59



TOP 25 EUROPEAN CITIES OVERALL

RANK	CITY	COUNTRY
1	London	UK
2	Helsinki	Finland
3	Eindhoven	Netherlands
4	Cambridge	UK
5	Dublin	Ireland
6	Munich	Germany
7	Barcelona	Spain
8	Berlin	Germany



1.26. Top 20 metropolitan areas for patent intensity, 2008

Patent applications per million inhabitants



CWTS Leiden Ranking

Rank	University	Country	P	PP(industry)
1	Eindhoven Univ Technol	NL	5774	14.5%
2	Osaka Prefect Univ	JP	2395	13.0%
3	Tokyo Univ Agr & Technol	JP	3053	12.8%
4	Delft Univ Technol	NL	8195	12.7%
5	Chalmers Univ Technol	SE	4718	12.1%
6	Tech Univ Denmark	DK	8575	12.0%
7	Pohang Univ Sci & Technol	KR	5430	12.0%
8	Japan Adv Inst Sci & Technol	JP	8767	11.9%
9	Rensselaer Polytch Inst	US	2939	11.5%
10	KTH Royal Inst Technol	SE	7707	11.3%





TOMORROW: GROWING TOGETHER
Brainport is a high-tech growth accelerator

COURAGE

CO-CREATING THE FUTURE

media



3D Printing



airbnb



NETFLIX



CO-CREATING THE FUTURE

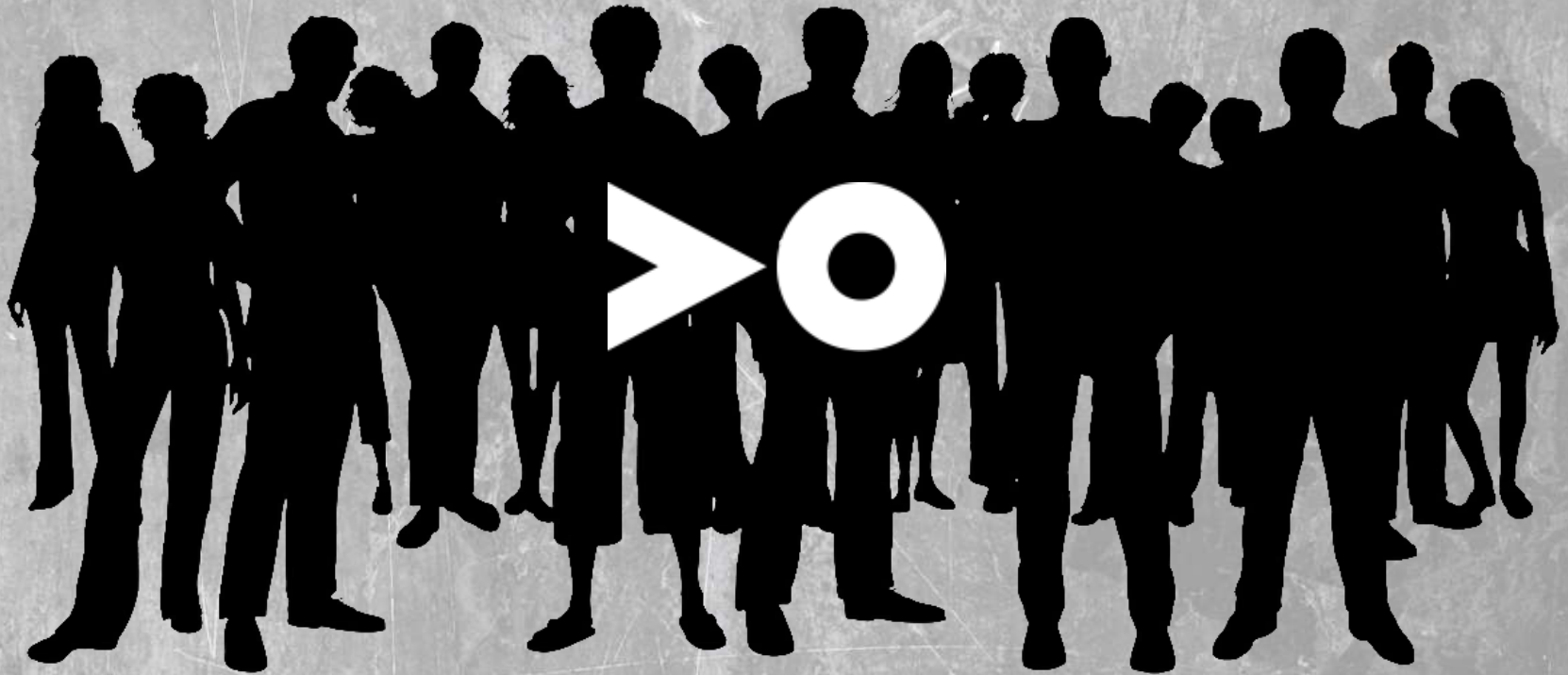


SMART, STRONG AND ADAPTIVE

“It is not the strongest of the species that survives, nor the most intelligent, but the one most responsive to *change.*”

~Charles Darwin, 1809

FROM TRIPLE TO MULTI HELIX



CO-CREATING THE FUTURE



INNOVATIONS OF THE FUTURE

Solutions for social challenges



Agedness



Health



Energy



Mobility



Food

© Holst Centre

CO-CREATING THE FUTURE

KEEP INVESTING IN THE ECOSYSTEM



People



Basics



International



Technology



Business

CO-CREATING THE FUTURE

BRAINPORT NEXT GENERATION

- The world is changing very rapidly
- We came a long way with being Smart and Strong
- To keep and strengthen our top position we have to do more and in a different adaptive way

DISCOVER

BRAINPORT

NEXT GENERATION

www.brainport.nl/nextgeneration

CO-CREATING THE FUTURE



WHAT DOES BRAINPORT DEVELOPMENT ?

- Developing strategy for and with the region
- Developing projects and programmes
- Individual business advice en innovative housing
- Branding of the Brainport region



CO-CREATING THE FUTURE

WHAT DOES BRAINPORT DEVELOPMENT?

connecting



business

accelerating



business

showing



people



business

people



basics



basics

business



basics





**Like to know more?
Newsletter Brainport Update
www.brainport.nl
Follow us Twitter, LinkedIn en Facebook**



CO-CREATING THE FUTURE



Role Brainport Development in HELIUM

- Lead partner of HELIUM
- Action leader policy instrument 1
- Task force leader 'Valorising Innovation'



Brainport
● **Development**

Policy instrument to be addressed

- Interreg VA Flanders – The Netherlands 2014-2020 Cross-border Cooperation Programme



Policy instrument to be addressed



- Framework for smart, sustainable and inclusive growth in the Belgian-Dutch border region.
- 4 priority axes
 - **Innovation:** strengthening research, technological development and innovation
 - **Sustainable energy:** support for energy efficiency and renewable energy
 - **Environment and resources:** protecting the environment and promoting resource efficiency
 - **Labor:** promoting employment and supporting labor mobility

Policy instrument to be addressed

- We aim to improve the policy instrument by increasing efficiency of public funding dedicated to health innovations. As a performance indicator we would like to have increased experimental facilities newly established or improved through the cross-border programme in the health sector, which have reached an increased scale.
- Geographical coverage: cross-border