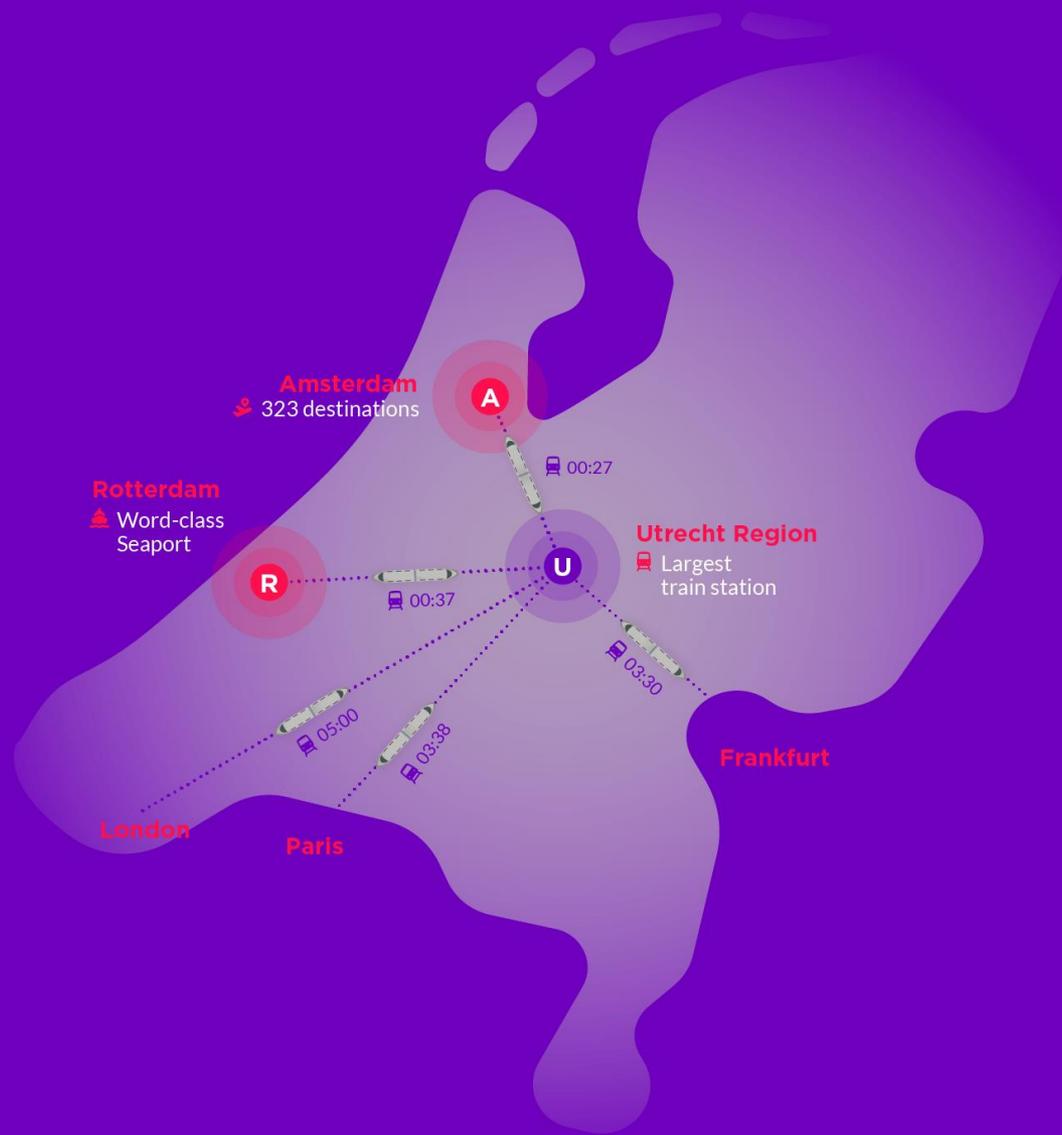


WELCOME TO THE UTRECHT REGION

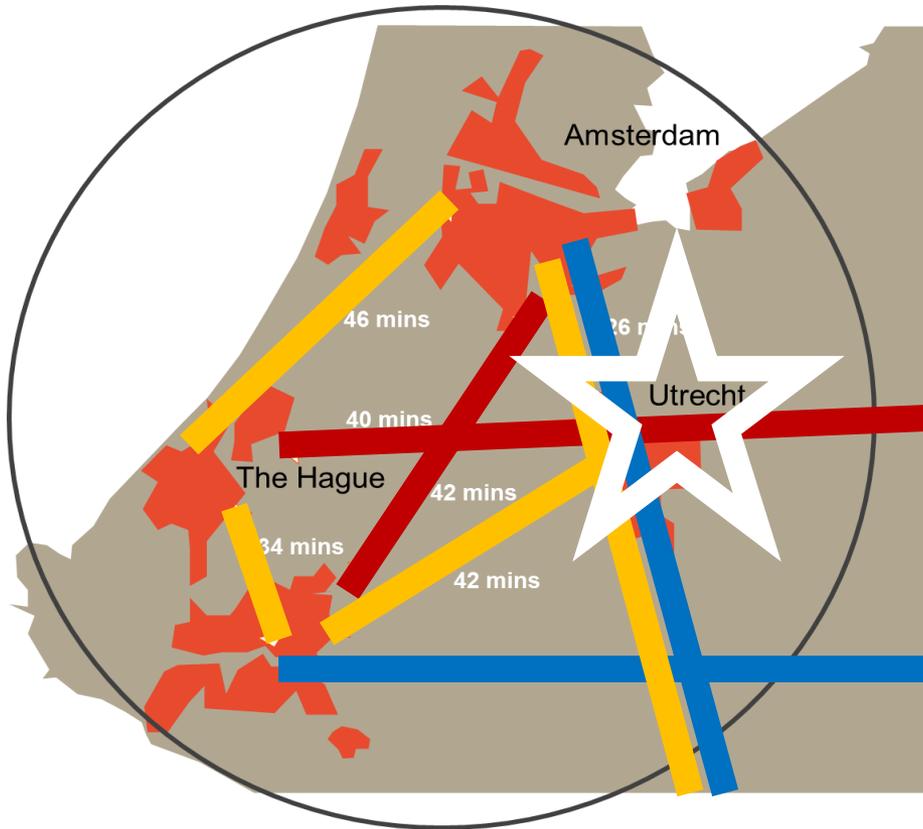
Leonard van Nispen
Utrecht City in Business
City development & Economic







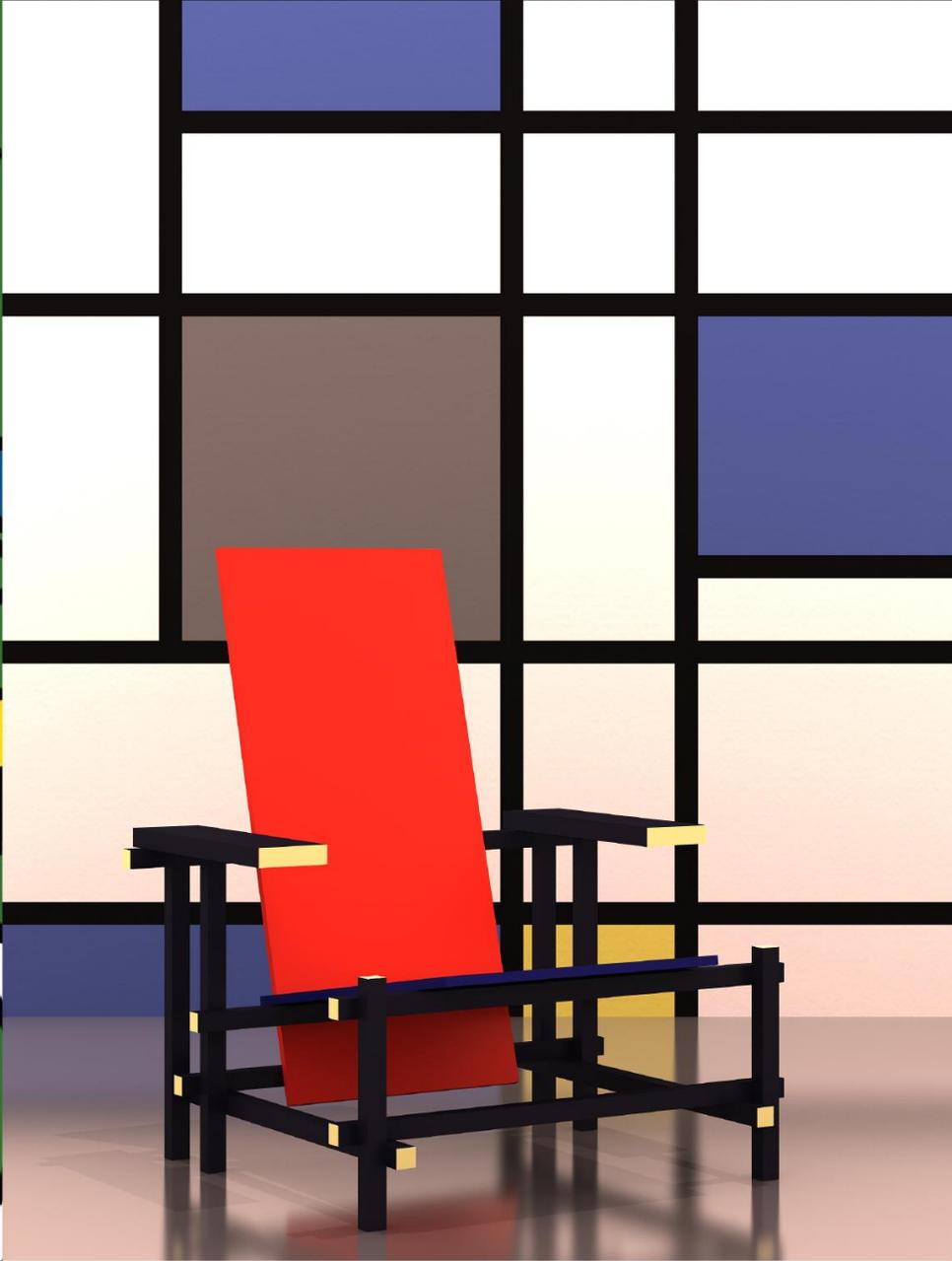
Central part of Holland Metropole



1	Singapore
2	Hong Kong
3	London City Region
4	New York Region
5	Holland Metropole*
6	Paris Region

11	Greater Toronto Area
24	San Francisco Bay Area
26	Munich metro
29	Greater Sydney
58	Greater Boston

DHL Globalization Giants Index







2nd

**Second place for
Utrecht as the most
Competitive
Region of Europe**



4th

**Most rapidly
growing city**



This is Utrecht

<https://www.youtube.com/watch?v=N4ytCsnQ4KU&feature=youtu.be>

**HOW
DO WE**

CREATE

**A HEALTHY URBAN
ENVIRONMENT?**





Healthier

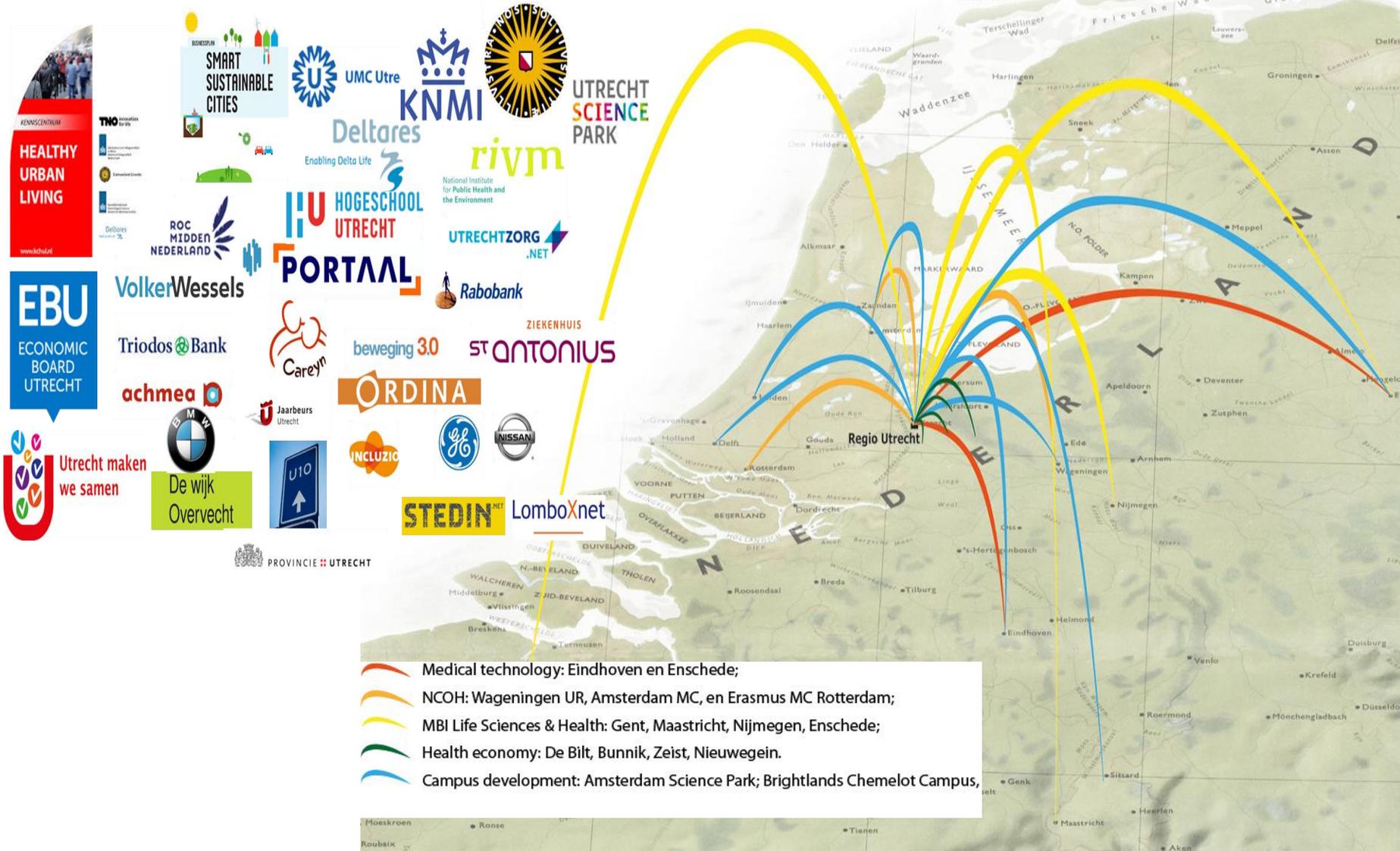


Sustainable

A wide-angle photograph of a canal in Utrecht, Netherlands, during the golden hour. The canal is flanked by lush green trees and brick buildings. On the left, an outdoor cafe with blue umbrellas is crowded with people. On the right, another cafe with black umbrellas is also busy. Several people are boating on the canal, including a group in a white boat in the foreground and a red boat further down. The sun is shining brightly from the upper right, creating a warm, golden glow. The text "Healthy Urban Living." is overlaid in the center in a large, white, sans-serif font.

Healthy Urban Living.

Triple helix collaboration





17:02 ICE International 
Frankfurt (M) Hbf
via Arnhem, Oberhausen Hbf,
Duisburg Hbf, Düsseldorf Hbf,
Köln Hbf en Frankfurt Flugh.
Trein met toeslag
17:08 Intercity Maastricht

18^b

300
thousand
travellers every
single day

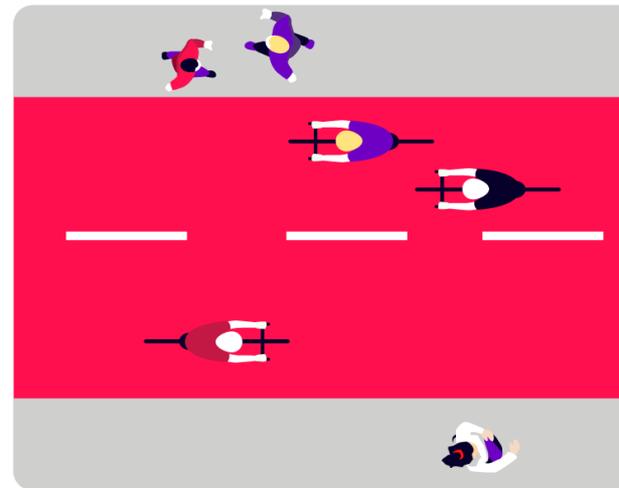
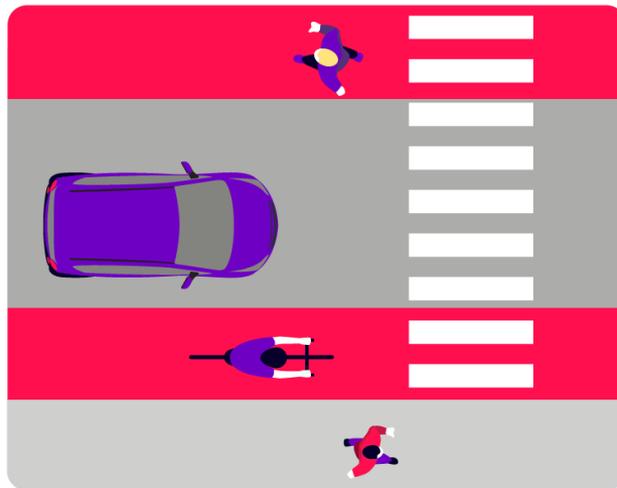
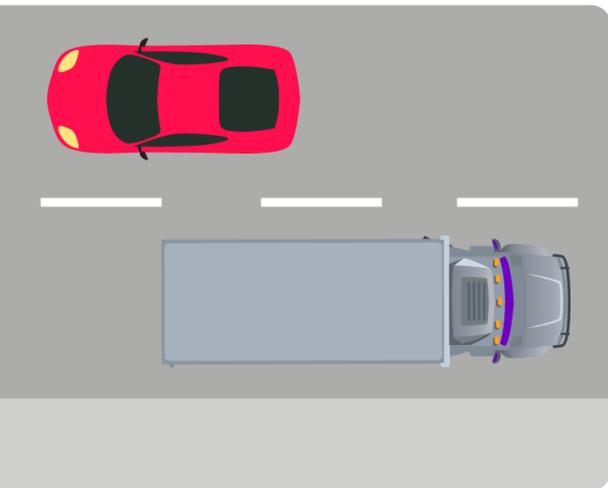


**The bridge on
top of utrecht
central station**

**FIRST
FULLY**

LOW-EMISSION

ZONE IN THE
NETHERLANDS



Utrecht City Centre

30%
less cars

20%
more cyclists



100.000

bicycles roam
through our city
every day

2nd

bicycle city in
the world



12.500

bikes can be
stored in the new
bike parking

OUR
STRATEGY
FOR THE
FUTURE
OF OUR **CITY**

A background image showing a row of test tubes in a rack. Each tube contains a different colored liquid, such as orange, yellow, green, and blue. The tubes are slightly out of focus, creating a sense of depth. The overall lighting is warm and soft.

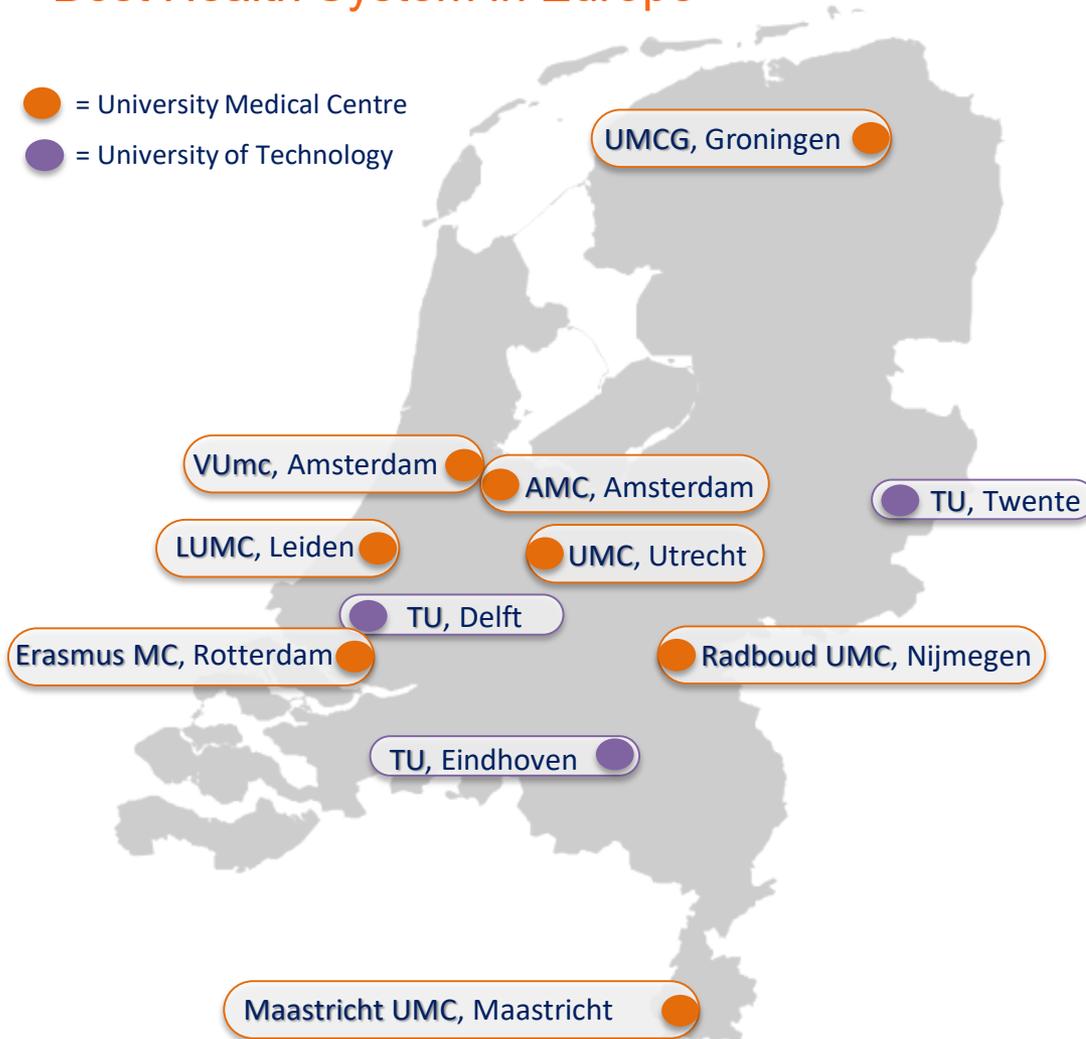
INVEST IN
HOLLAND



Regional info

“Best Health System in Europe”

- = University Medical Centre
- = University of Technology



Life Sciences & Health industry:

Companies: ~2,900, employees 34,000

Employees: ~ 34,000

source: Ministry of EZ (2017)

Achievements:

“best health system in Europe”

source: EU Health Consumer Powerhouse 2014, 2015, 2016

“Netherlands ranks first in Healthcare Performance”

source: The Commonwealth Fund, 2010

Facts and Figures:

- Health Budget 2015: 71.3 billion EUR (11,8% of GDP)
- Average health exp. over a lifetime: 280,000 EUR
- 1.1 million workers in healthcare (excl. volunteers)
- 8,865 General Practitioners
- 92 Hospitals (incl. 8 University Medical Centres)
- Hospital Beds: 4.7 per 1,000
- Average stay in Hospital: 5.8 days

source: Dutch Ministry of Health (2016)

5 reasons to invest in the Life Sciences & Health sector in The Netherlands



The world's most concentrated Life Sciences & Health cluster



Outstanding research & education and well trained professionals



Gateway to Europe



European Medicines Agency (EMA) moves to Amsterdam (operational in 2019)



Plenty of opportunities for Public-Private Partnerships



NL Life Sciences & Health cluster

The world's most concentrated LSH cluster



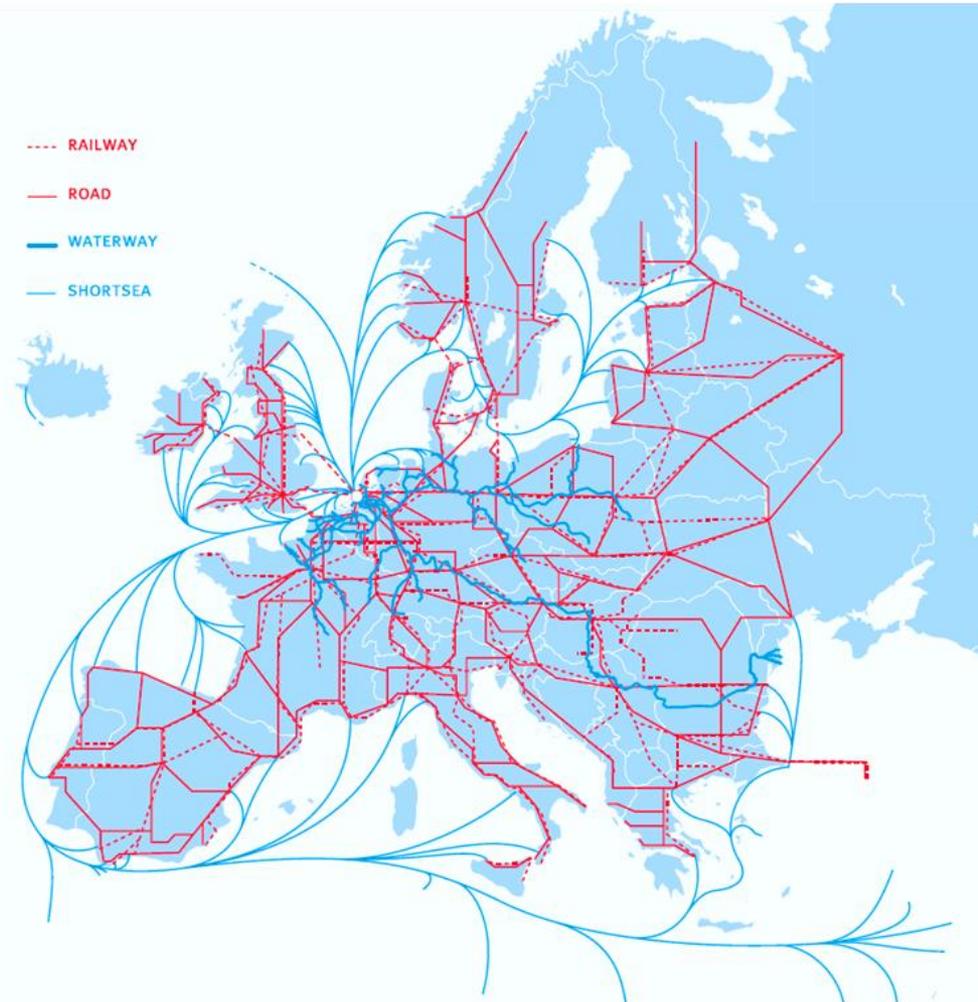
- Worldwide **#1** for number of medical technology patents
- **#1** EuroHealth Consumer Index **2014, 2015, 2016, 2017**
- **3rd** for number of biotechnology patents
- **7th** for number of pharmaceutical patents
- Areas and diseases of focus include:
 - Biopharmaceuticals
 - Biotech
 - Molecular imaging
 - Medical technology
 - e-Health
 - One Health
 - Biomaterials and regenerative medicine
 - Biobanking
 - Vaccines
 - Oncology
 - Cardiovascular diseases
 - Health systems and research infrastructure



Gateway to Europe

Strategic location

- Central location in continental Western Europe
- Access to markets throughout Europe, the Middle East and Africa
- 160 million consumers within a 300-mile radius
- 95% of Europe's major markets can be reached within 24 hours from Amsterdam or Rotterdam
- Digital gateway to Europe: #1 most connected country in the world



R&D and education

Outstanding research & education and well trained professionals



- The Netherlands is home to outstanding research and an excellent research and digital infrastructure in several areas such as oncology, vaccination and antibiotic resistance.
- Outstanding patient records give ample opportunities for big data analysis.
- Twelve Dutch universities are listed among the top 200 universities in the world.
- The Netherlands has a highly educated and multilingual workforce with a high productivity rate.

8.6%

OF DUTCH R&D SPEND IS INVESTED IN
LIFE SCIENCES AND HEALTH
adding up to €799 million in 2015

FRONTRUNNER
in *eHealth* solutions

HIGHEST ADOPTION

WORLDWIDE IN HOSPITALS
AND CLINICS



EMA to move to Amsterdam

The European Medicines Agency moves to Amsterdam



EUROPEAN MEDICINES AGENCY
SCIENCE MEDICINES HEALTH

- In November 2017 the European Union member states decided to relocate the European Medicines Agency (EMA) to Amsterdam.
- The Netherlands Medicines Evaluation Board (MEB) is one of the top European regulators for central and pharmacovigilance procedures and a major contributor of expertise to the European network of pharmaceutical authorities coordinated by EMA



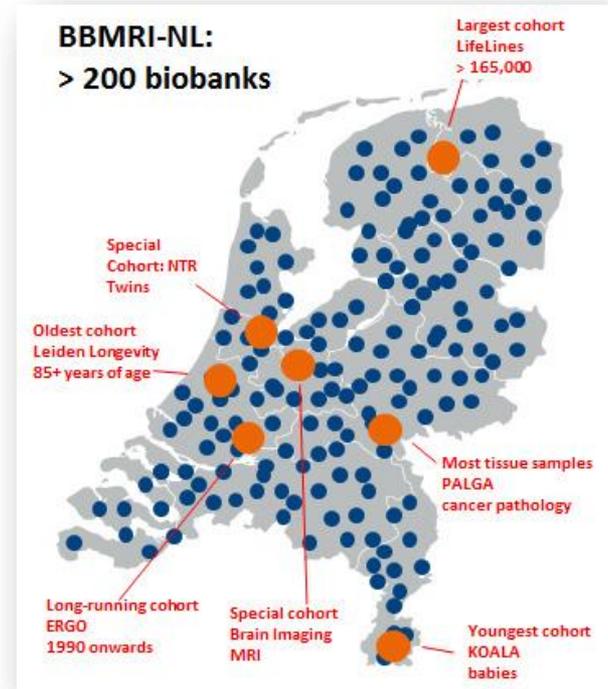
“Amsterdam ticks many of our boxes. It offers excellent connectivity and a building that can be shaped according to our needs. I am very grateful that the [European] Member States took into account our requirements for business continuity and gave priority to the protection of public and animal health.”

Professor Guido Rasi, Executive Director EMA

Unique Selling Points

Overview of some of the Dutch USP's

- **8 University Medical Centres (UMCs)** with the unique combination of higher education and scientific research, training, clinical research and the associated care.
- **Over 200 biobanks and cohorts** that store the data of thousands of people.
- Scannexus, an Ultra-High-Field MRI centre
- Pivot Park Screening facility, includes state-of-the-art robotic systems, instrumentation for biological profiling and a collection of 300,000 high quality drug-like compounds.
- **#1 World Market leader in medical isotopes** More than one third of the total global production of isotopes is fabricated in The Netherlands
- The HUB (Hubrecht Organoid Technology) was founded on the pioneering work of Prof. Dr. Hans Clevers who discovered methods to grow organoids from tissues of patients. Applications are in drug discovery & drug screening.
- Biotech Training Facility provides hands-on pharmaceutical training in a GMP environment.



Who's here



Utrecht Region – At the heart of the Dutch Life Science and Health sector

Utrecht is at the heart of the Netherlands' life sciences industry and is particularly strong in public health, one health, cancer research, regenerative medicine and stem cell technology.



- The Life Sciences & Health sector is mainly clustered at the *Utrecht Science Park*.
- Utrecht Science Park is the largest and fastest growing science park in the Netherlands

Facilities Utrecht Science Park:

- 3 universities
- 100+ companies
- 3 incubators
- University Medical Center Utrecht
- National Institute for Public Health and the Environment
- Only Faculty of Veterinary Medicine in the Netherlands
- Hubrecht Institute – stem cell research)
- Princess Máxima Center – pediatric oncology



Utrecht Region institutes and companies participate in:

- Lygature
- Oncode
- One Health – human and animal infectious diseases and antibiotic resistance
- RegMed XB



- Most highly educated workforce in the Netherlands: 46% of the working population has a university degree
- 8 million skilled employees within an hour's travel of Utrecht.
- Life science and health community: 1,700 researchers and 1,750 PhD candidates



- The Utrecht Region: excellent public transport and road links to the rest of the Netherlands and Europe
- Just 30 minutes from Schiphol airport and Amsterdam
- Largest train station in the Netherlands



The Utrecht region has been ranked the most competitive place on the European mainland by the European Commission since 2010

Inspiring Companies



Provider of innovative medical device products and technologies for the health-care sector, such as surgery, cardiology, urology and gynaecologic specialties



Develops, manufactures, commercializes and facilitates innovative medical devices in the field of minimal invasive therapies within medical aesthetics



Produces vaccines for the prevention and treatment of diseases like polio and diphtheria. Part of Serum Institute of India.



Biotech company focused on the development of biosimilars to therapeutic monoclonal antibodies (mAbs)



Danone's largest research and development center. Concentrates on baby nutrition and clinical food combining technology and human health



Develops and markets in vitro diagnostic tests and services, analysis software and education. A pioneer in Sequencing-Based Typing (SBT)



Specializes in creation and development of differentiated antibody therapeutics for the treatment of cancer through immunotherapy



Biopharmaceutical company with the development of vaccines as core business initiated by the Ministry of Health



One of the largest and leading pharmaceutical and medtech companies in the world, working on innovative new treatment concepts



CRO clinical testing



Clinical-stage immuno-oncology company developing innovative bispecific antibody therapeutics



MICREOS

Micreos Human Health develops targeted antibacterial products based on macrophages, set to replace antibiotics

Research institutions

Universities & Academic Medical Centers:

 <p>Universiteit Utrecht</p> <p>Utrecht University</p>	 <p>UNIVERSITY OF APPLIED SCIENCES UTRECHT</p> <p>Utrecht University of Applied Sciences</p>	
 <p>UMC Utrecht</p> <p>Utrecht Medical Center (UMC)</p>	 <p>PrincessMÁXIMA center for pediatric oncology</p> <p>Princess Máxima Center for Pediatric Oncology</p>	 <p>Wilhelmina Kinderziekenhuis</p> <p>Wilhelmina Children's Hospital (WKZ)</p>

Scientific institutions and research facilities:

 <p>WESTERDIJK FUNGAL BIODIVERSITY INSTITUTE</p> <p>Westerdijk Fungal Biodiversity Institute: institute for fungus, yeast and bacteria</p>	 <p>Center for Personalized Cancer Treatment</p> <p>Research center for personalized cancer treatment</p>
 <p>Hub Hubrecht Organoid Technology</p> <p>Living biobank of organoids for preclinical drug discovery and precision medicine</p>	 <p>Hubrecht Institute Developmental Biology and Stem Cell Research</p> <p>Hubrecht Institute – Developmental Biology & Stem Cell Research</p>
 <p>netherlands centre for one health</p> <p>Netherlands Center for One Health: Center for integrated (human and animal) approach of infectious diseases</p>	 <p>Utrecht Biofabrication Facility – institute for biofabrication research</p>

Facilitating public-private partnerships:

 <p>IMMUNO VALLEY</p> <p>Immuno Valley – brings together science and business in the field of human and animal health research of infectious diseases</p>	 <p>UTRECHT LIFE SCIENCES</p> <p>Utrecht Life Sciences – open innovation network that facilitates strategic public-private partnerships in education, research and business</p>
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National governmental institutions:

 <p>MEDICINES EVALUATION BOARD</p> <p>CBG – Dutch Medicines Evaluation Board</p>	 <p>RIVM National Institute for Public Health and the Environment</p> <p>RIVM – National Institute for Public Health and the Environment</p>
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Internationals

- International Welcome Center Utrecht Region
- International Baccalaureate World School
- International Community

Our soft landing services

- One-stop shop for practical assistance and information services to help international companies establish, roll out, expand and maintain their operations in the Utrecht Region.
 - Personal guidance throughout entire process
 - Tailor-made fact finding trips
 - Location scouting
 - Legal advisory
 - Tax & company structure advisory
 - Introduction to regional partners and networks

Tips & Tricks

succsesfull expansion to Utrecht

- Buy a bike!
- Business English
- 75% is the same as in Taiwan, but it's that last 25% which needs extra attention.

Welcome

Utrecht

Region