

Netherlands Innovation Network

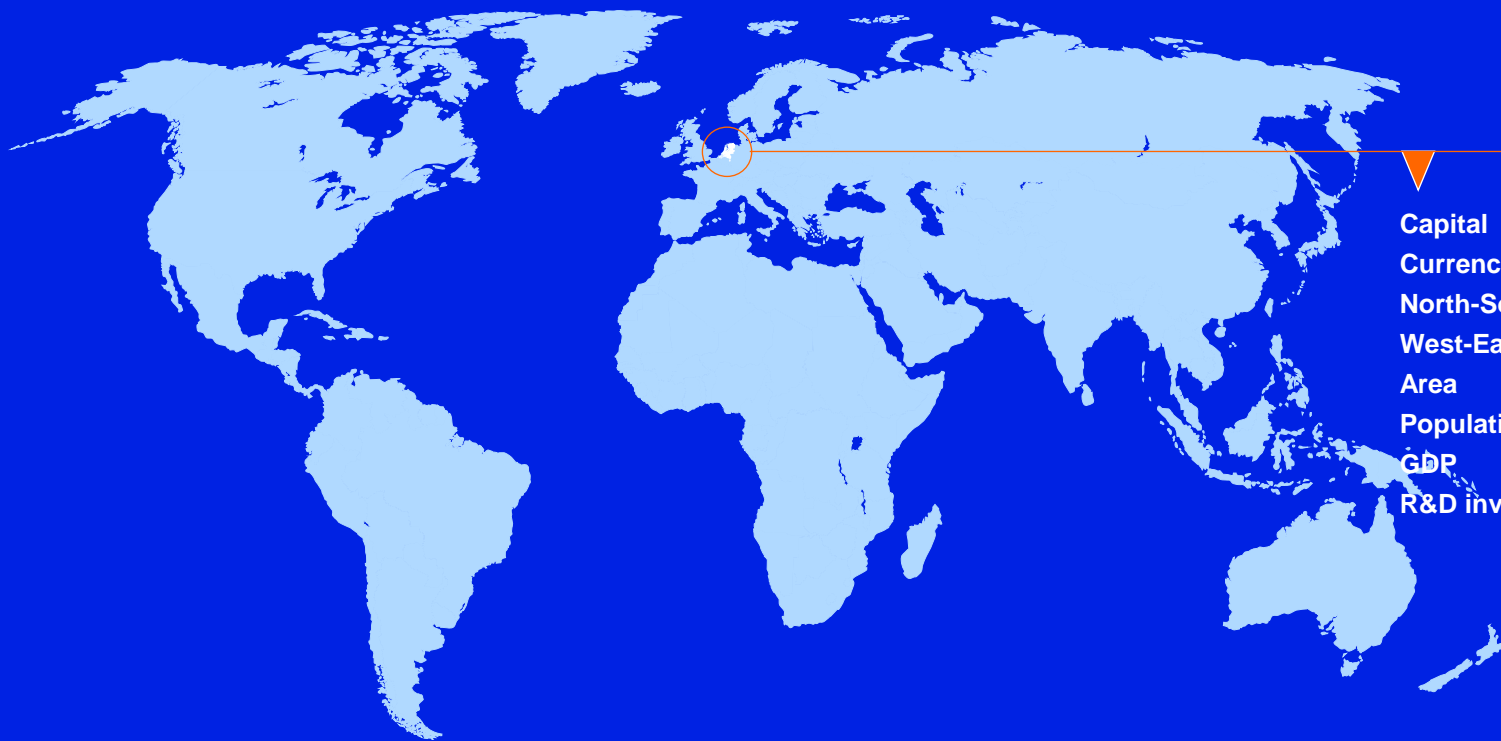
Connecting Innovation Worldwide

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▶ About the Netherlands



Capital	Amsterdam
Currency	Euro
North-South	200 miles / 321.9 km
West-East	100 miles / 160.9 km
Area	16,000 square miles or 33,800 km
Population	17.1 million
GDP	EUR 800 billion
R&D invest.	2.2% of GDP



Dutch multinationals you may know



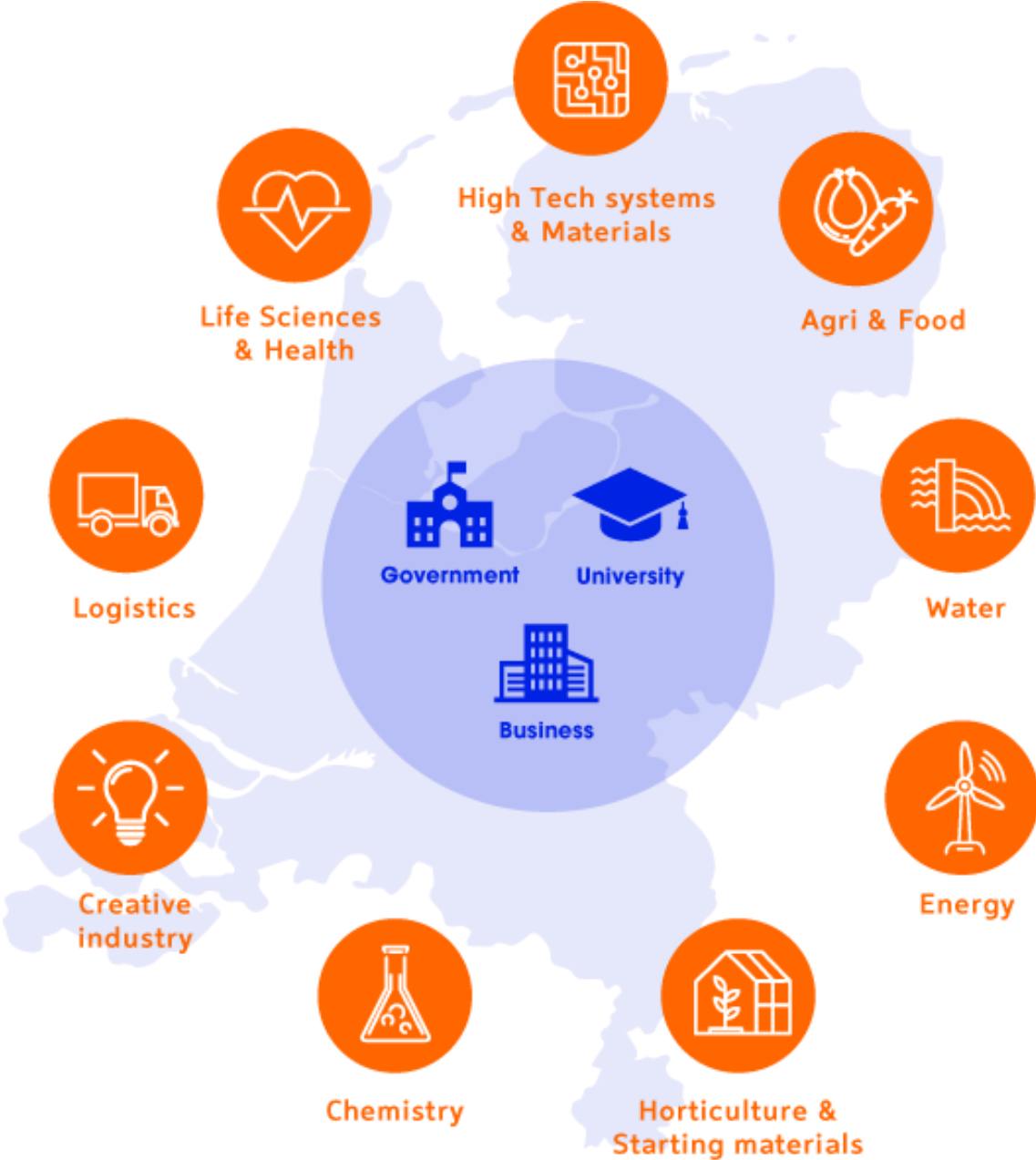
GOLDEN TULIP
BRASILIA ALVORADA



PHILIPS



The Netherlands Topsectors



Mission driven innovation

Emphasis on four societal themes and key enabling technologies



- ▶ Ministries initiate development with corresponding topsector teams, civil society and other stakeholders
- ▶ Aimed at entire chain fundamental research - market introduction TRL 1-9
- ▶ Attention for market development: regulating and launching customer role government and authorities

“Top 10 position in Global Cybersecurity Index in 2025”

“95% CO₂ reduction by 2050”

“Fully circular economy in 2050”

About the Netherlands



Connecting private & public

Some great examples of Public Private Partnerships (PPP) :

- ▶ QuTech
 - Developing quantum technology
- ▶ Center for Nanolithography
 - Nanolithography techniques and sciences
- ▶ Chemical Building Blocks Consortium
 - Complex chemical energy research
- ▶ National Growth Fund projects,
e.g. Quantum Delta NL, RegMed XB, AI Ned, PhotonDelta, NXTGEN
Hightech, Oncode-PACT, Aviation in Transition, ...





Netherlands Innovation Network

Objective: to strengthen Dutch innovation-power by connecting companies, research institutes and governments worldwide.

Target groups:

- ▶ Innovative and knowledge-based companies
- ▶ Research Institutes
- ▶ Relevant government bodies (national/local)

Inform, Inspire and Facilitate

Collaboration with Brazil

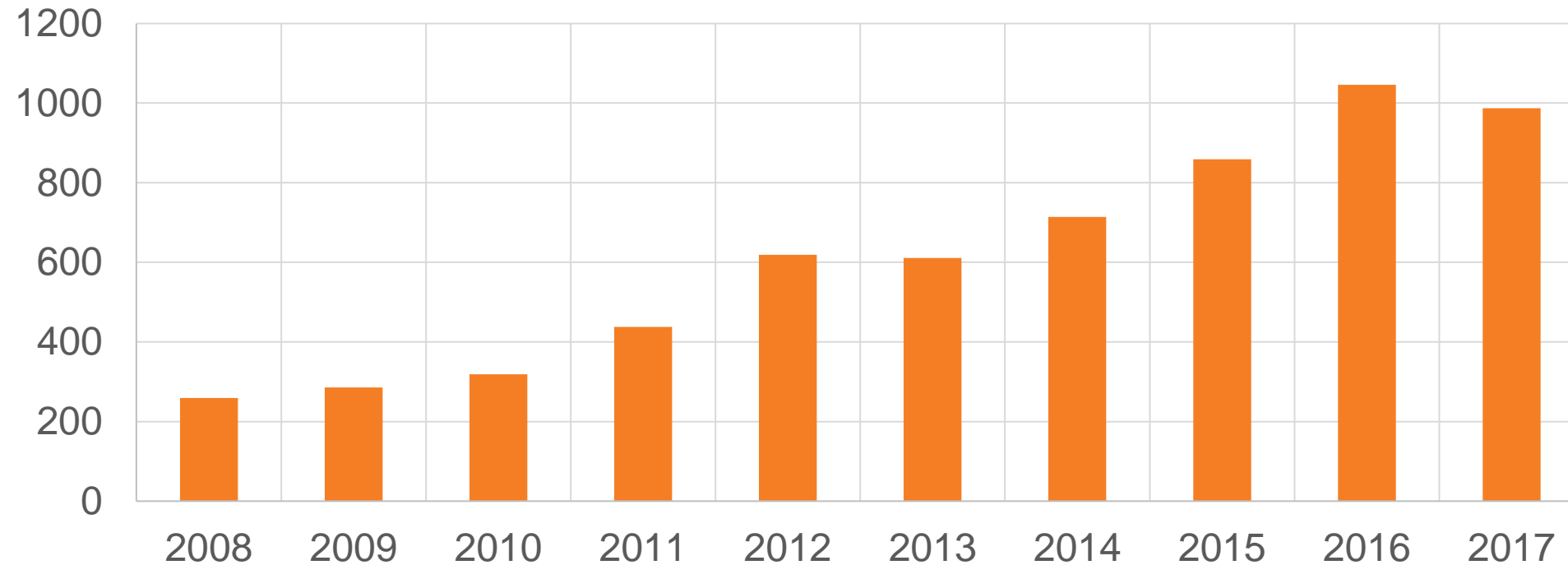
- ▶ Since 2011 MoU between Brazil and the Netherlands:
 - Brazilian Ministry of Science, Technology and Innovations (MCTI)
 - Dutch Ministry of Economic Affairs and Climate Policy
 - Dutch Ministry of Education, Culture and Science
- ▶ Joint Committee Meetings, Program of Cooperation
- ▶ (NIN Brazil's) Priority areas for Brazil
 - Biobased Economy
 - Life Sciences & Health
 - High Tech Systems & Materials
- ▶ Collaborations on all levels



Joint scientific output

16% annual growth on average:

Number of joint publications per year (articles and reviews)



+ impact of joint publications is 2.4x higher than world average (NL= 2x), (BR= 1,3x)

Sustainable biomass production for a biobased economy

Multifunctional landscapes for biomass, biodiversity and social inclusivity

Cooperation Brazil (FAPESP) – The Netherlands (NWO) programme

Call for proposals

NWO and FAPESP



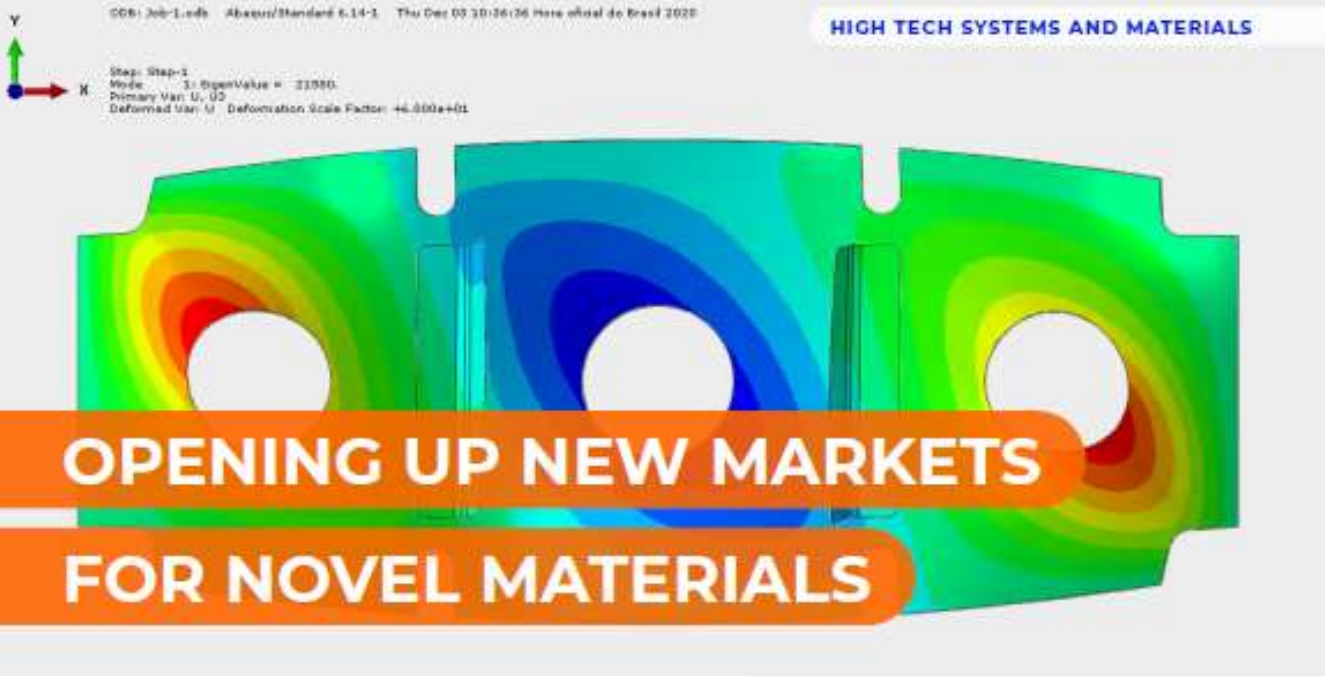
Collaboration between
Wageningen University &
Research and Brazil



**MONITORING SUGARCANE
EXPANSION FROM SPACE**



**RECIPE FOR FOREST
RESTORATION**



**OPENING UP NEW MARKETS
FOR NOVEL MATERIALS**



**AGEING HEALTHY
ACROSS THE GLOBE**

NWO & FAPESP

So far:

- Biobased Economy
- Sustainable Urban Development
- Advanced Instrumentation for Astronomy
- Sports & Healthy Living
- Biodiversity
- Healthy Ageing
- Advanced Healthcare Materials
- ...

Continuation Brazilian - Dutch a Memorandum of Understanding

23 November 2022

Today, the São Paulo Research Foundation (FAPESP) and NWO signed a Memorandum of Understanding that will allow them to continue Dutch research collaboration for their mutual benefit. The Fund.

President of FAPESP prof. Marco Antonio Zago, and prof. Anita Board were present. The Memorandum of Understanding (MoU) will continue publishing a (bi-)annual joint call for proposals in the future. Projects will be selected for a joint call for proposals, based on Brazil's and NWO's agendas and input from researchers and stakeholders in Brazil. The projects will have a duration of four or five years.



We hope to further foster scientific and technological innovation and so on between our countries and to co

Funding: some examples

 **TU Delft**



university of
 groningen



Netherlands Enterprise Agency



EMBRAPII

Finep
 INOVAÇÃO E PESQUISA



HORIZON EUROPE





Government of the Netherlands

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