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 km²
- Population: 17.1 million
- GDP: EUR 800 billion
- R&D invest.: 2.2% of GDP
Dutch multinationals you may know
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”
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
So far:
- Biobased Economy
- Sustainable Urban Development
- Advanced Instrumentation for Astronomy
- Sports & Healthy Living
- Biodiversity
- Healthy Ageing
- Advanced Healthcare Materials
- ...
Funding: some examples

- TU Delft
- University of Groningen
- Netherlands Enterprise Agency
- Finep
- EMBRAPPI
- Horizon Europe
- CAPES
- CNPq
- FAPESP
- Topsector Agri & Food
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