



Collaboration with Brazil

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FAPESP-Nature4Life Joint workshop, 20 February 2018

About NWO

- National research council
- Indirect government funding for scientific research
- Quality and innovation in science
- Funding of about 5,750 research projects (1,470 new) (2016)
- Assessment and selection via peer review
- Increasing the contribution of science to society
- Encouraging collaboration



About NWO 2016

Budget NWO total 914 million euros



Researchers funded (fte's)

4.735
Researchers
employed at
universities



1.514

Researchers employed at
NWO institutes

741

Researchers at KNAW /
other institutes

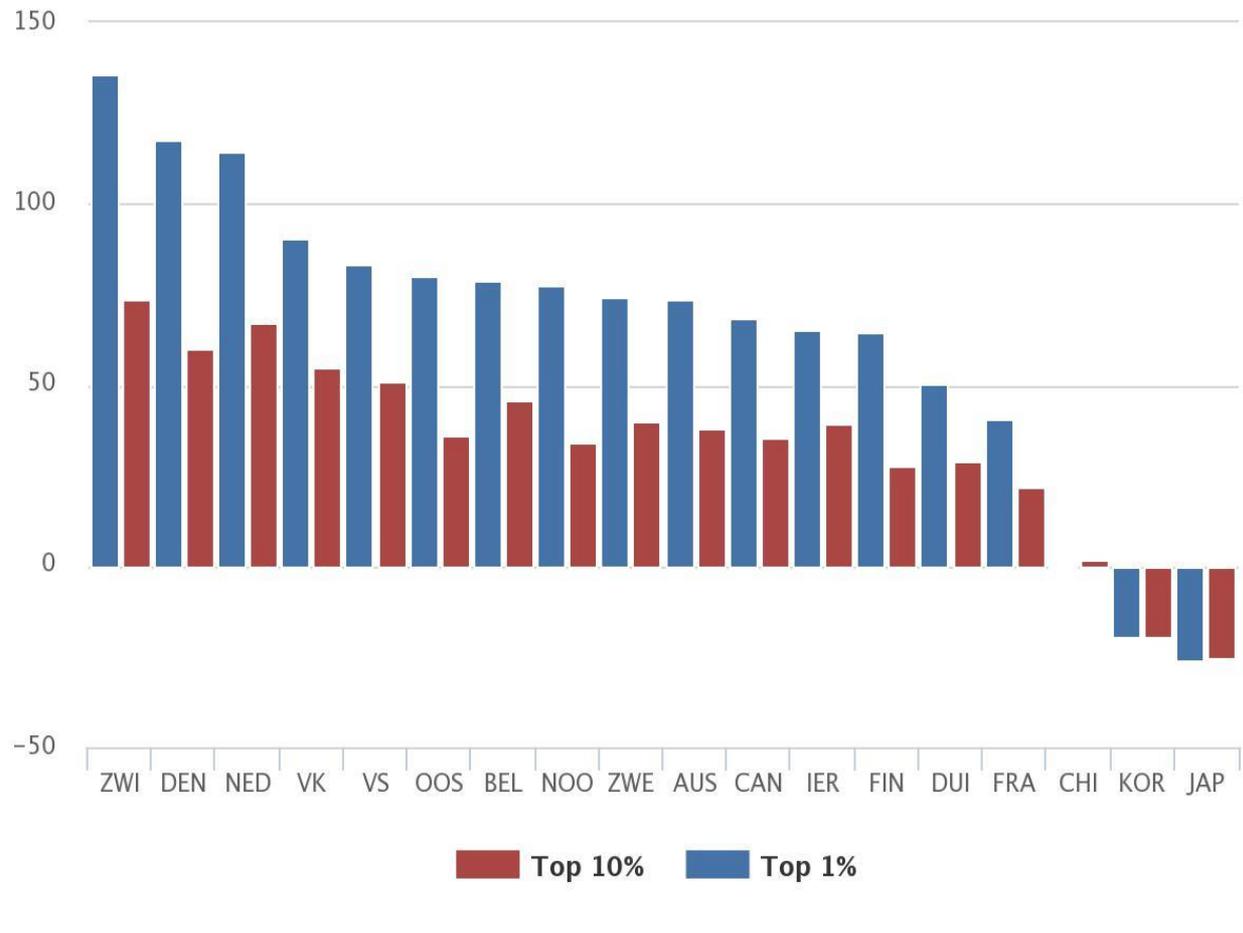
NWO



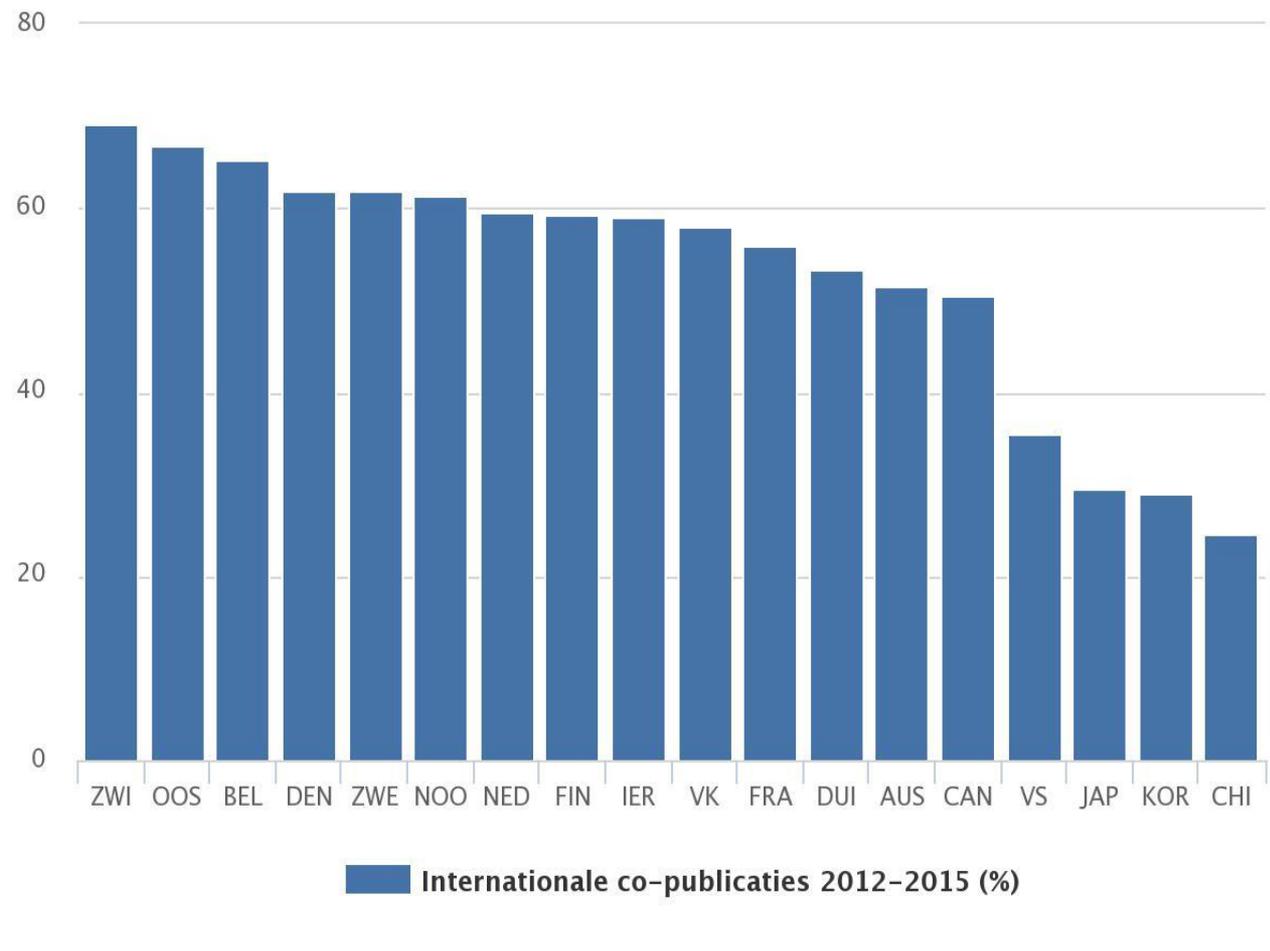
	Number of Articles (Fractional Count)	Per head of pop. x mil
1. USA	17.416	53.6
2. China	6.851	4.9
3. Germany	4.276	52.1
4. UK	3.777	58.1
5. Japan	2.871	22.8
6. France	2.231	33.3
14. Netherlands	929	54.6



Indicatie van research output (Nature-index 2016/2017)



Top 1% en top 10% geciteerde publicaties (WoS)



International copublications

Topsectors in the Netherlands



High tech
Systems and
Materials



Horticulture &
Starting
Materials



Creative
Industry



Life sciences
& Health



Chemistry



Energy



Agri & Food



Water



Logistics



TO federatie
De samenwerkende organisaties
in toegepast onderzoek

**Vereniging
Hogescholen**

NFW
NEDERLANDSE FEDERATIE VAN
UNIVERSITAIR MEDISCHE CENTRA

MKB
Nederland

**KONINKLIJKE NEDERLANDSE
AKADEMIE VAN WETENSCHAPPEN**

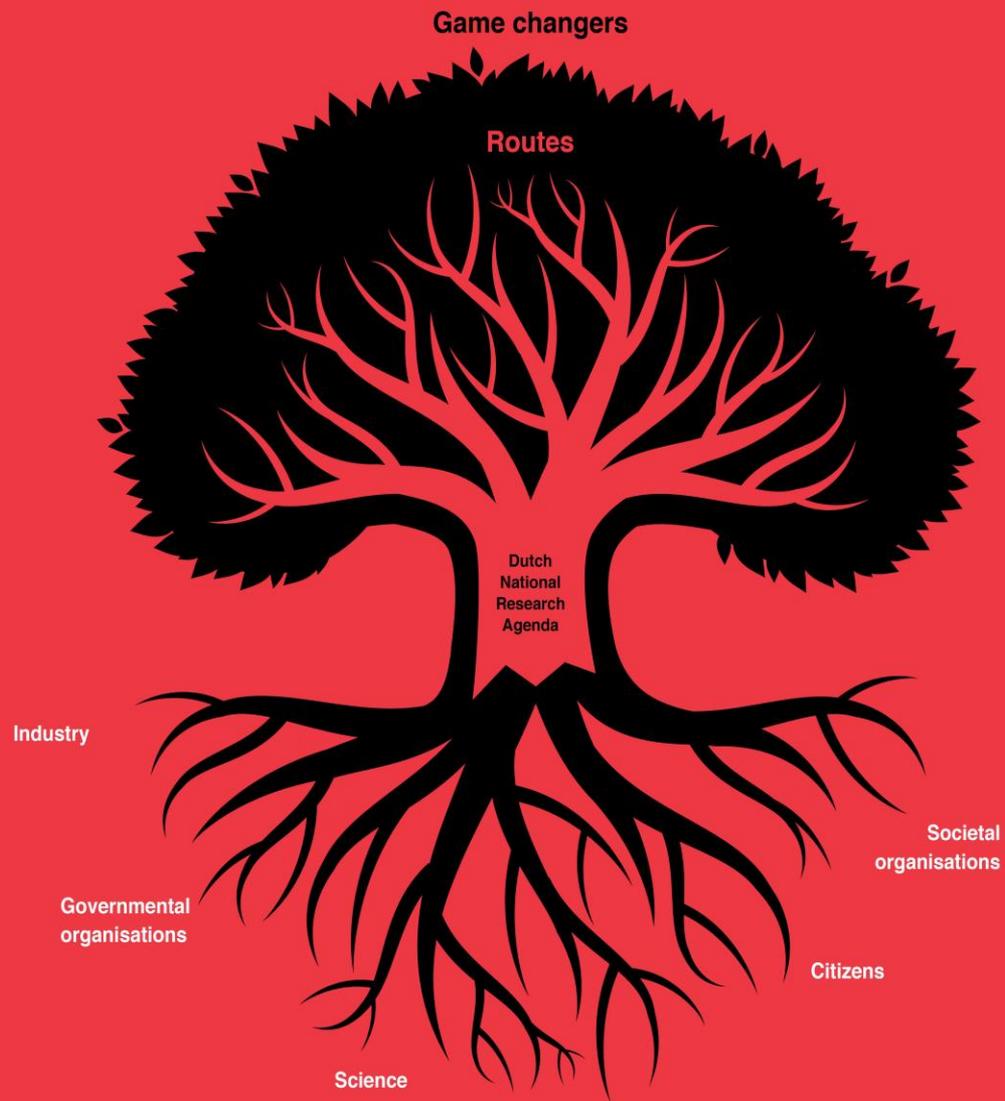
VNO NCW

VSNU
vereniging van universiteiten
association of universities
THE NETHERLANDS

NWO

**Dutch national
research
agenda**

questions
connections
prospects





Unique participative process (2016)

The roots represent the origins and basic foundations of the tree: the curiosity expressed by society and the research questions submitted by individuals, civil society organisations, enterprises, government authorities, and scientists.

The trunk stands for the 140 cluster questions presented in the Dutch National Research Agenda itself.

The crown stands for the Portfolio for research and innovation

The branches are the 25 routes that rise up from the trunk and the leaves on those branches represent the prospect of breakthroughs in research and innovation identified in the routes.

International policy NWO (2015-2018)

The internationalisation of research strengthens Dutch science and the Dutch contribution to scientific and societal challenges. NWO therefore wants to

- support researchers working in the Netherlands to collaborate internationally
- create opportunities for international research collaboration
- contribute Dutch priorities to European and global science policy and improve European funding opportunities for Dutch researchers
- encourage collaboration with, in particular, China, India and **Brazil**



Memorandum of Understanding 2012 (extended in 2017)

NWO-FAPESP

- Calls on topics of mutual interest
- Scientific excellence
- Encouragement of cooperation between NL and Brazil
- Topics:

NWO-FAPESP

Biobased Economy (2013)

Astronomy (2014)

Sustainable Cities (2015)

Sports (2016)

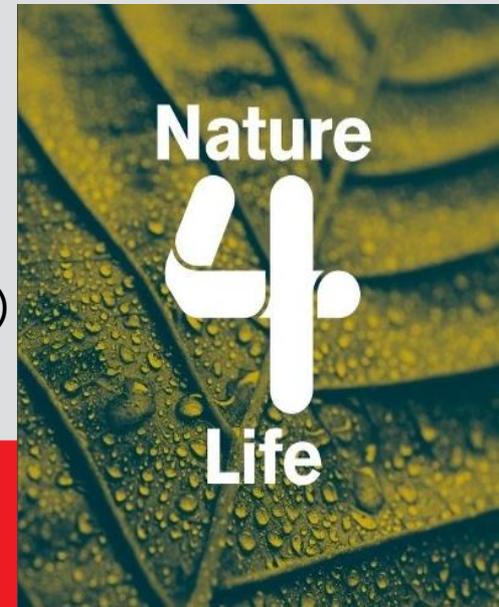
Biobased Economy (2017)

Biodiversity (proposed 2018)



NL-Brazil collaboration Biodiversity

- Biodiversity and ecosystem services as basis for a Biobased Economy
- Focus on *Nature4life (Dutch Research agenda for Biodiversity)*:
 - Integrating species, food webs and biogeochemical cycles
 - Biodiversity as indicator of ecosystem quality (and functioning)
 - Nature-inclusive multi-functional land-use
- First pilot project: Ecosystem restoration (reforestation) in the Atlantic Forest (ecological and socio-economic services)
- Links to Dutch National Science Agenda and economic priority areas (e.g. Agri&Food, Horticulture, Water)



A glimpse of the future: NWO Strategy 2019-2022

- Money follows Cooperation
 - International cooperation (bottom-up)
 - International Public-Private Partnerships in Dutch Top Sectors
- A new International Research Fund
 - Strategic Partners (China, India, **Brazil**, Indonesia)
 - New Partners (e.g. South Africa)

