

Education
Science
Innovation

Co-operation with the Netherlands



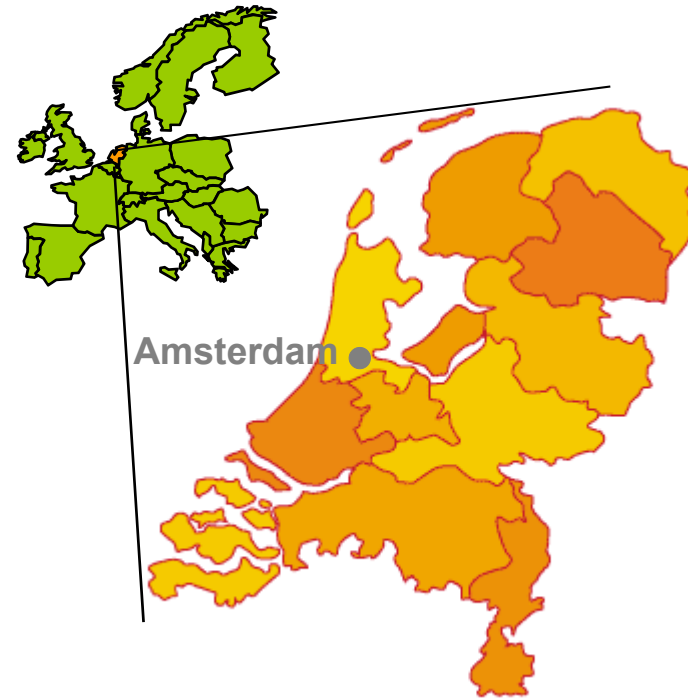
Programme today

1. Intro & main message
2. Topsectors, innovation policies
3. Universities, research bodies, other important elements
4. Russia and the Netherlands: projects
5. Summary
6. Your ideas

1. Introduction

General information

- Geographically small (surface area: #134)
- Population density : 64th worldwide
- 6th largest EU-economy
- GDP: + 703 billion EUR (2016)
- around 32% of the Netherlands' GDP derived from activities abroad
- 8th largest foreign investor (f.e. AkzoNobel, Heineken, ING, Philips, Unilever, Shell)
- 10th largest recipient of foreign investment (from US, EU and Asia)



- 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: +17.2 million

Main message

- Internationalisation: Dutch seek partners in education, science, R&D
- Opportunities:
 - Knowledge development
 - Technology enhancement
 - Commercialise research (innovations -> market)
- Co-operation comes in many formats (and partners)

2. Topsectors and innovation policies

Innovation policies: 2 tracks

Generic:

- stimulating innovation for all companies, esp. SME

Topsectors:

- stimulating PPPs in 9 topsectors



Stimulating innovations

Tax incentives:

- tax allowance for private R&D-labour costs
- tax credit for private non-wage R&D investment
- low corporate tax rate for R&D related profits

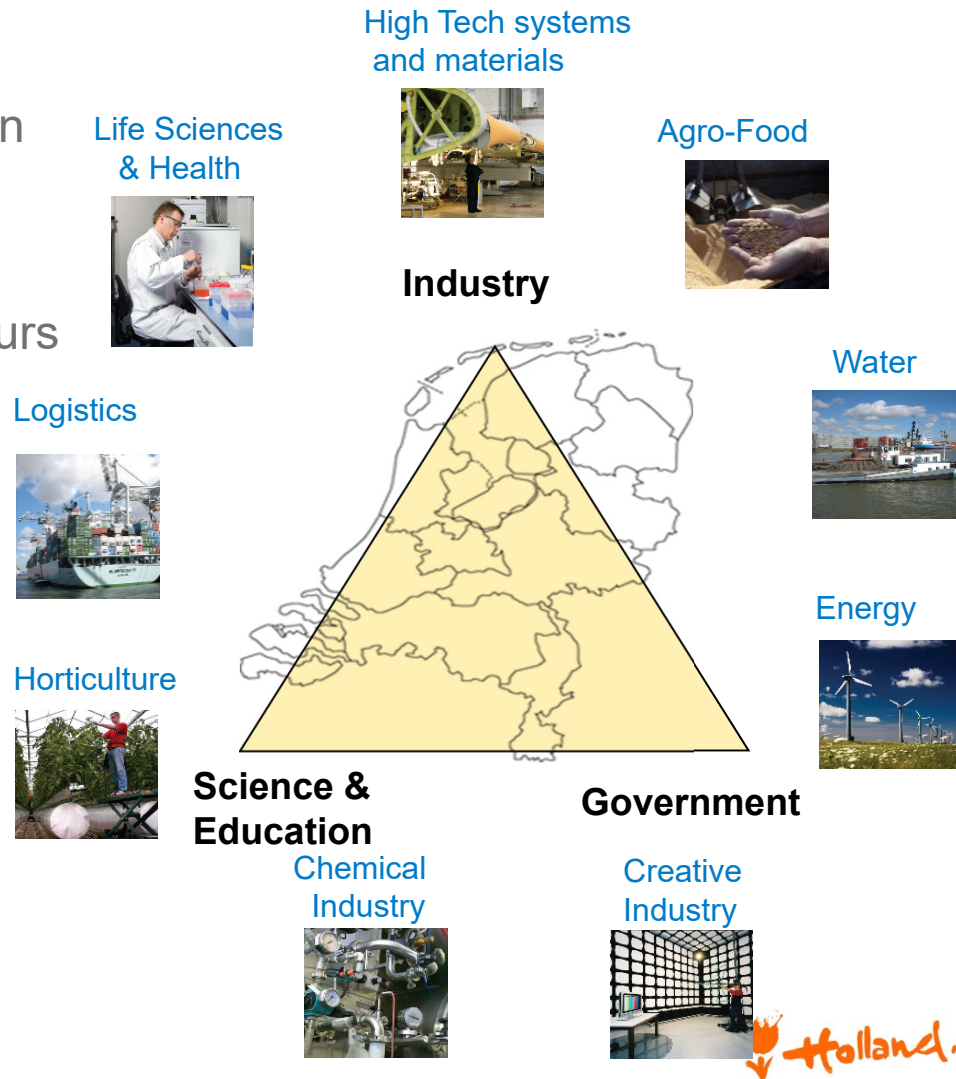
Risk capital financing innovative entrepreneurship:

- Innovation Fund SME+: Innovation credit, Seed capital, Fund of funds

Industrial Policy

Top Sectors

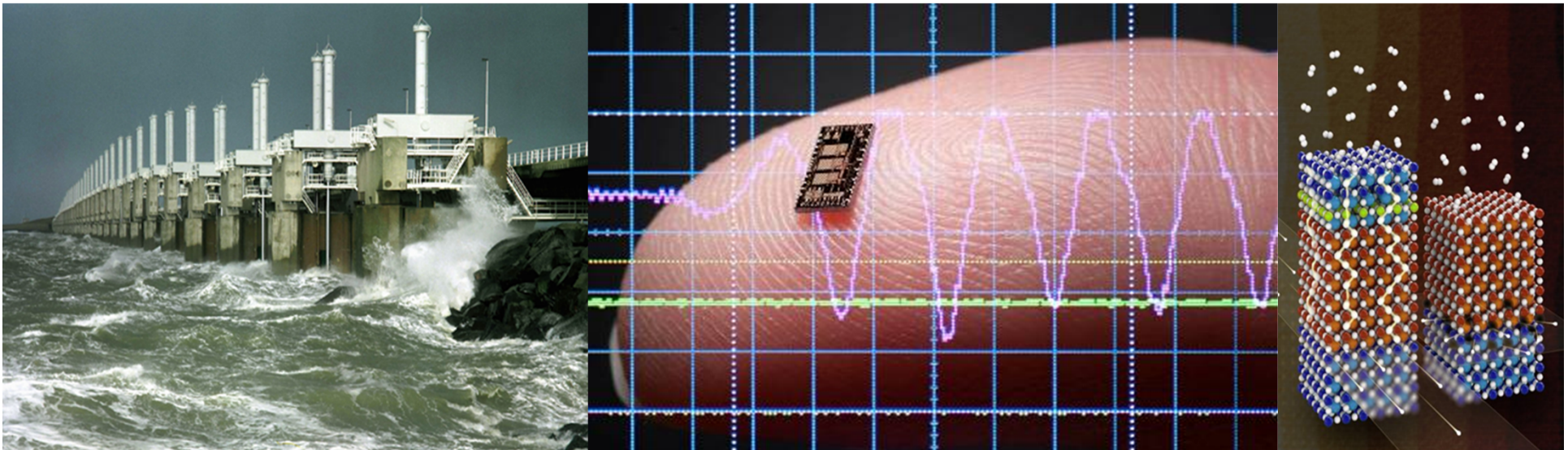
- Strong international market position
- Solid knowledge base
- Collaboration between entrepreneurs and knowledge institutes
- Potential contribution to societal challenges



Driven by societal challenges

Ambitions

- Top 5 knowledge economies (2020/ GCI, WEF)
- Increase R&D: 2,5% GNP (2020)
- Minimum of € 500 mln. PPP in innovation, 40% minimum financed by business sector



Result: high on innovation

The Top 10 Most Innovative Economies	
Global Competitiveness Report 2017-2018	Rank*
Switzerland	1
United States	2
Israel	3
Finland	4
Germany	5
Netherlands	6
Sweden	7
Japan	8
Singapore	9
Denmark	10

Source: The Global Competitiveness Report 2017-2018
*2017-2018 rank out of 137 economies

3. Universities and research bodies



13 research universities including 8 University Medical Centers

- Amsterdam
- Utrecht
- Leiden
- Groningen
- Nijmegen
- Rotterdam
- Delft
- Enschede
- Eindhoven
- Tilburg
- Maastricht
- Wageningen

+ 40 applied research universities!



Dutch '5top100'






QS Top University Ranking 2016-2017		Times Higher Education World University Ranking 2017-2018	
57	University of Amsterdam	59	Delft University of Technology
62	Delft University of Technology	63	University of Amsterdam
102	Leiden University	65	Wageningen University
104	Utrecht University	69	Erasmus University Rotterdam
113	Groningen University	77	Leiden University
119	Wageningen University	80	University of Groningen
121	Eindhoven University of Technology	86	Utrecht University
144	Erasmus University of Rotterdam	94	Maastricht University
173	Maastricht University	121	Radboud University Nijmegen
177	University of Twente	153	University of Twente
190	Radboud University Nijmegen	156	VU Amsterdam
199	VU Amsterdam	177	Eindhoven University of Technology
330	Tilburg University	198	Tilburg University



Research landscape

Research bodies, important for public-private innovation:

- TNO - Applied Scientific Research
- ECN - Energy Research
- Deltares - Deltatechnology
- FOM - Fundamental Research on Matter
- NLR - Aerospace Laboratory
- KNMI – Meteorological Research
- MESA+ - Nanotechnology
- MARIN - Hydrodynamics and Nautical Research
- J.M. Burgerscentrum - Research School for Fluid Mechanics
- TI Food and Nutrition - public private partnership for interdisciplinary research in food and nutrition
- ...and others

Organisation	Knowledge base - fields	Start year	Turnover M €	Staff	Unique Facilities
	Water, subsoil and infrastructure	1927	112	768	Delta Flume, geocentrifuge, GML
DLO (Part of WUR)	Healthy food and sustainable livelihoods	1938	343	2879	HCU, Imaging systems, innovation centres, genomics, sequencing
	Sustainable energy	1955	75	592	Solar PV, Milena (gas)
	Maritime: shipping, offshore and sustainable energy at sea	1929	42	350	Offshore basin, Depressurized Wave Basin
	Aerospace	1919	79	650	Windtunnels, airplanes, Simulators
	Healthy living, industrial innovation, integral safety/security, energy, mobility, buildings, information and society	1932	606	4000	Automotive testcentre, nanolab, 3D printing

Startup climate (Startup Delta)

19th Genome Startup
Ecosystem Ranking



Approx. 2900 startups



70+ incubators
and accelerators

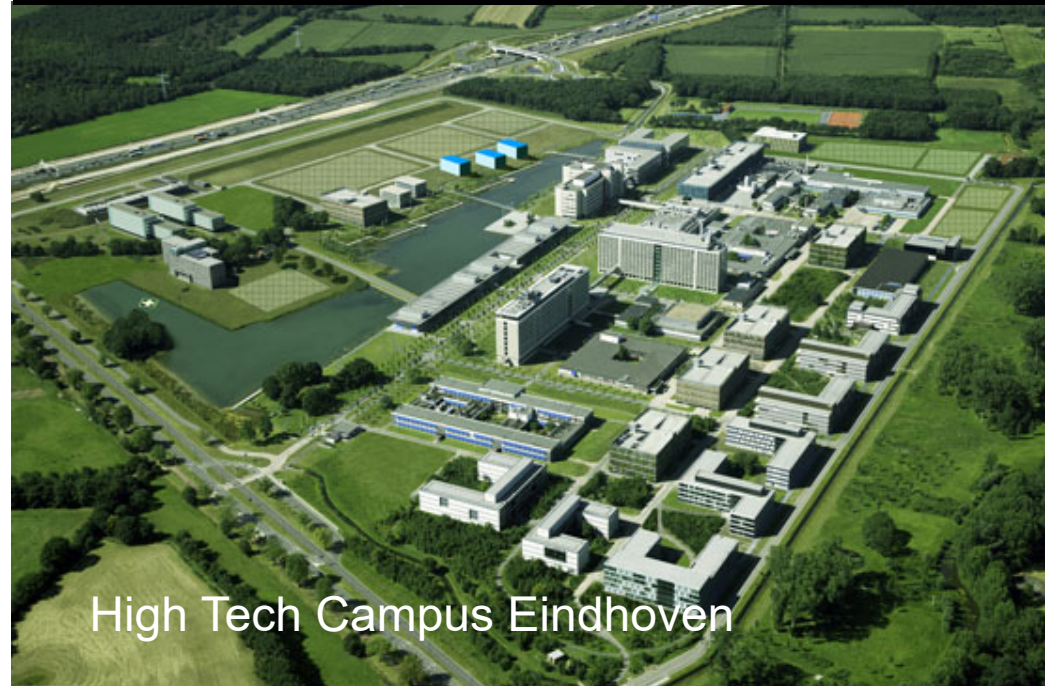


85 venture capital firms



Where it all happens...

- Amsterdam Science Park
- Wageningen Campus
- Brainport Eindhoven
- Technopolis Delft
- Tech Park Enschede
- Bio Science Cluster Leiden
- Chemelot- Limburg- Aken
- Automotive – Helmond
- Utrecht Science Park
- Zernike Campus Groningen
- ...



4. Russia and the Netherlands

Overall framework

Working groups (5) between Russia and the Netherlands under the Joint Economic Committee:

- Transport (airport infrastructure, smart mobility, electric transport)
- Energy (conventional, wind energy, energy-efficiency)
- Health Care (HIV/aids, AMR, health innovations, e-health)
- Agriculture (dairy, horticulture, but also: circularity, last food mile)
- Innovation (innovative entrepreneurship, ecosystem development)

Forms of co-operation

- Student mobility: Study in Holland
- Summerschool
- Internships in Dutch companies
- Joint research projects
- Matchmaking H2020 (Dutch NCP)
- Conferences, fairs, events in NL (f.e. Blockchain Hackathon in Groningen, Innovation Expo in Rotterdam)
- *Essentially no bilateral research calls available, unless...*

nuffic neso

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На учёбу в Голландию со стипендией

Более 80 грантов на 2018-2019 учебный год специально для студентов из России



Наши мероприятия

- Презентация бизнес-прог Nyenrode University в Сан Петербурге
Санкт-Петербург, Резиденция Генерального Консула Нидерландской Республики, Английская наб., 12 2018-02-14 19:00
- Презентация бизнес-прог Nyenrode University в Москве
Москва, Библиотека иностранной литературы, Никольямская, 1, сан 2018-02-15 19:00 - 21:00
- Вебинар "Презентация исследовательского университета Tilburg University"
webinar ClickWebinar 2018-02-17:20

[больше соб](#)

Студентам и родителям:

Тел: + 7 (495) 915-05-25
(Пн, Ср, Чт - с 14:00 до 18:00; Вт, Пт - с 13:30 до 17:30)
Email: student@nesorussia.org
Организациям:
Тел: + 7 (495) 915-00-23
Email: info@nesorussia.org

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Стипендии в
Голландии

Новости

Education and mobility

Nuffic NESO in Moscow – ‘Study in Holland’ programme

- Russian BA/MA student mobility to the Netherlands tripled over the past 10 years
- Dutch student mobility to Russia on the rise, hundreds of students yearly (short programs, student associations visits and summerschools)
- Active staff mobility – institutional cooperation – joint projects

Alumni in Russia & the Netherlands

- Netherlands Alumni Network Russia – events in Moscow & St. Petersburg
- Russian alumni in the Netherlands – events with HQ Nuffic / Russian Embassy
- Connecting Russians with the worldwide Holland Alumni Network (> 60.000)



Example 1 - Belgorod

- Belgorod State University – Hanze University of Applied Sciences
- Research meets Applied Sciences
- Tulip leaves converted into pigments (anthocyanins)



Example 2 - Moscow

- Moscow State University Business School – Saxion University of Applied Sciences
- Theoretical business vs applied entrepreneurship
- Including companies from Russia & the Netherlands
- Running an Autumn Business School since 2013!



Example 3 - Tomsk

- Many forms of cooperation with both Research Universities and of Applied Sciences
- Utrecht University, Twente University, Saxion UAS, Radboud University, Leiden University
- Student & staff mobility, joint projects, research
- Support of NL Embassy



How a project usually starts...

1. Contact & match partners in education and research
2. Explicit project idea
3. (4) Consolidate funding
4. (3) Start exchange & visit

Managing expectations & keeping communication lines open



5. Summary

Final message



Dutch universities work and think in 3 pillars:

- Education/mobility
- Research
- Commercialisation of research

Possible partners: universities + applied research universities + scientific institutions + businesses

No bilateral research calls, but options are available

Use your networks, be as clear and practical as possible

Netherlands Embassy and Nuffic NESO are at your service



6. Your ideas?

Thank you!

