



NTNU

Norwegian University of
Science and Technology

International cooperation at NTNU - the added value of alumni to the modus operandi

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Priorities

- Quality
- Sustainability

STRATEGY 2018–2025

KNOWLEDGE FOR A BETTER WORLD

Norwegian University of Science and Technology – NTNU

Approved by the Board of NTNU



Internationalization as a means

- European research, innovation and education programmes
- Bilateral international cooperation

International Action Plan 2018–2021

Norwegian University of Science and Technology



 **NTNU**
Norwegian University of
Science and Technology

National priority # 1

Participation in the European research and innovation

Ambition for Horizon 2020 (2014 – 2020):
2 % of the funding should come back to Norway

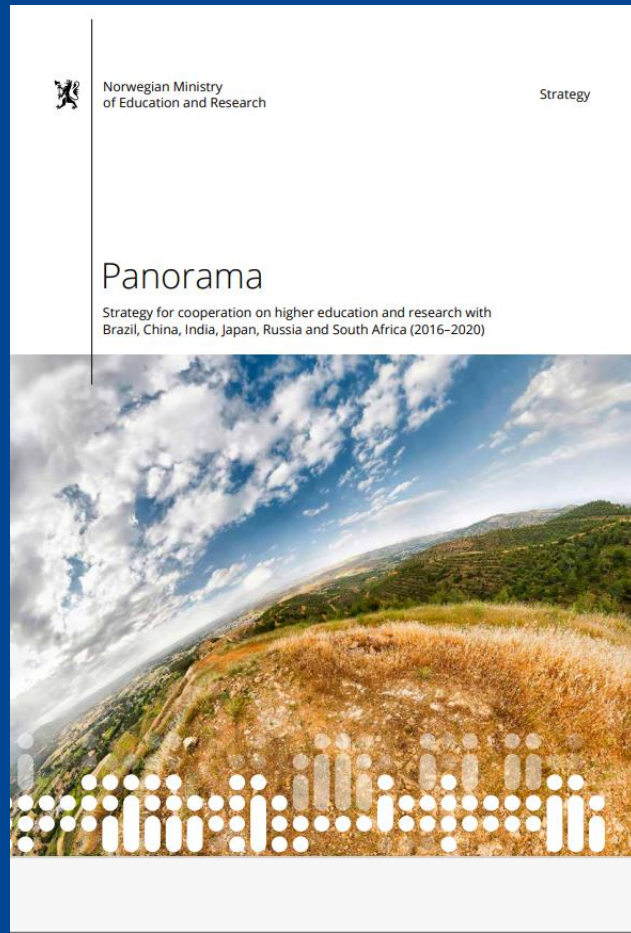
Ambition for Horizon Europe (2021 – 2027):
To be decided, a 3 % goal is being discussion -
or everything that we are contributing



National priority # 2

Bilateral cooperation with priority countries outside of Europe

Brazil, China, India, Japan,
Russia and South Africa
+ South Korea, US and Canada



NTNU in Horizon 2020 (2014 - 2020)

Goal:

Income of 100 million Euro

Income as of October 2020:
111 million Euro



NTNU in Horizon 2020

- 1997 proposals submitted
- 161 proposals under evaluation
- 206 projects funded
- 11 % success rate
- 2735 partners, of which 1672 are unique

NTNU's cooperation with partners from Germany in Horizon 2020 projects

- There are 309 participations from Germany in NTNU's H2020 projects
- There are 143 unique partners from Germany
- 10,5 % of all participations in NTNU's H2020 projects are from Germany
- 93 participations from Germany (30 %) are from universities
- 162 participations from Germany (70%) are from public and private sector, including research institutes
- In 126 out of 203 Horizon 2020 projects NTNU is participating in, there are one or more partner from Germany (62%)

NTNU's cooperation with partners from Spain in Horizon 2020 projects

- There are 215 participations from Spain in NTNU's H2020 projects
- There are 123 unique partners from Spain (out of the 215 participations)
- 7 % of all participations in NTNU's H2020 projects are from Spain
- 53 participations from Spain (25 %) are from universities
- 162 participations from Spain (75%) are from public and private sector, including research institutes
- In 98 out of 203 H2020 projects NTNU is participating in, there are one or more partner from Spain (48%)

NTNU's cooperation with partners from China, India, Nepal and Ghana in Horizon 2020 projects

China: 10 Chinese partners in 4 H2020 projects with NTNU

Ghana: 2 partners from Ghana in 1 H2020 project with NTNU

India: No Indian partners in H2020 projects with NTNU

Nepal: No Nepali partners in H2020 projects with NTNU

Horizon Europe (2021 – 2027)



- NTNU's goal to be set
- Income of 150 million Euro, or 200 million Euro being discussed
- Increased expectations from the government

Horizon Europe vision

A sustainable, fair and **prosperous** future for **people** and **planet** based on European values.

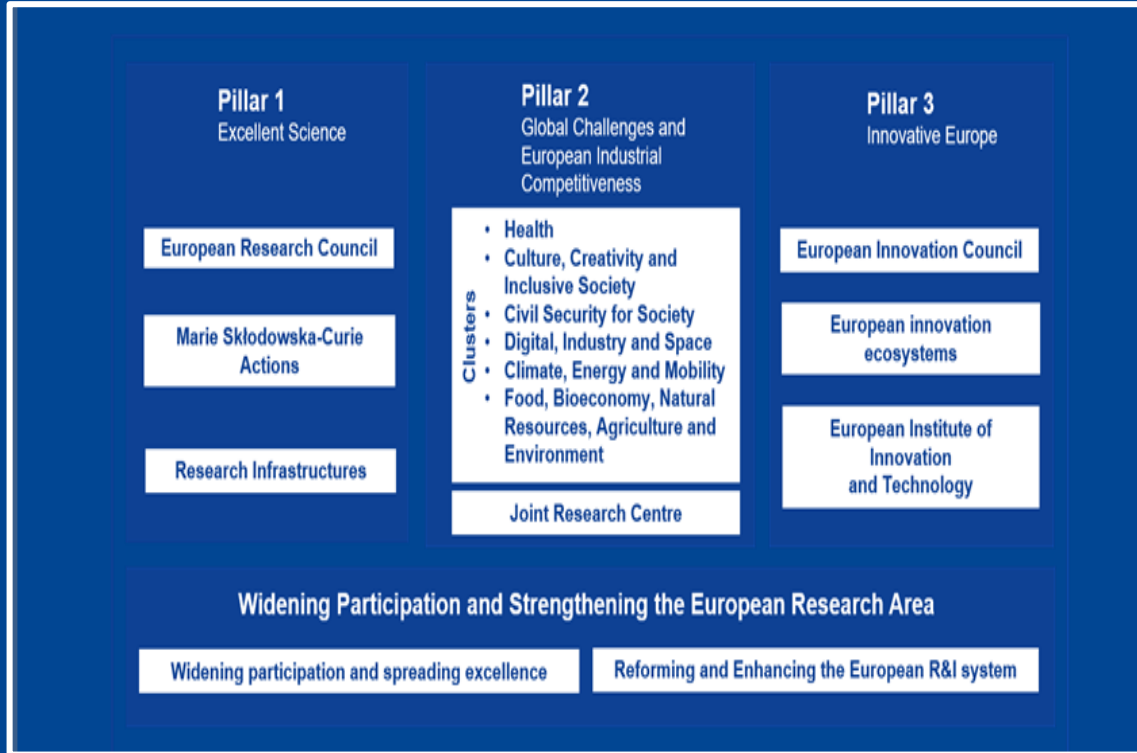
- Tackling **climate change** (35 % budgetary target)
- Helping to achieve **Sustainable Development Goals**
- Boosting the Union's **competitiveness and growth**



Ursula von der Leyen's political priorities

- A European Green Deal
- An economy that works for the people
- A Europe fit for the digital age
- Protecting our European way of life
- A stronger Europe in the world
- A new push for European democracy

Horizon Europe (2021 – 2027)



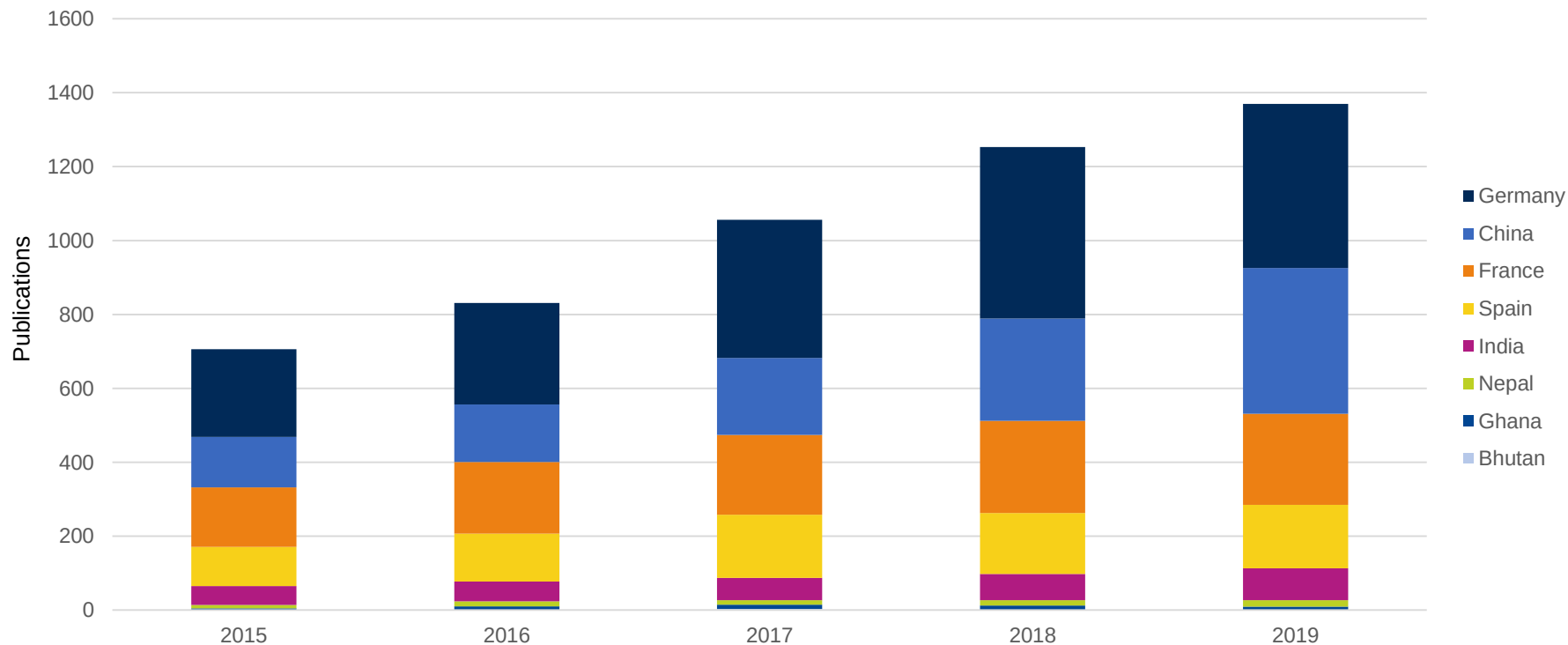
- A mission-oriented approach
- Cross-disciplinarity and cross-sectoral cooperation is essential
- Innovation is at the heart of the new programme
- Partnerships and consortia building is critical

Bilateral International cooperation

- A priority for international collaboration for NTNU and Norway
- Cooperation in areas with high societal impact and global importance
- Cooperation in areas where Norway and the partner country have complementary strengths and expertise



Development in joint publications



NTNUs Strategy on International collaboration



INTERNATIONALIZATION

NTNU is an important contributor to global knowledge development, and internationalization is integrated in the activity of all our academic groups.

Internationally oriented study programmes ensure diversity and increase quality, international experience and insight into global issues. NTNU facilitates exchange of our own students as well as integration and inclusion of international students.

Our participation at the forefront of international research results in high scientific quality. An increasing share of NTNUs research projects finds international funding and involves collaboration with international partners.

Our broad international network of contacts and expertise makes NTNU an attractive partner for companies that operate globally. Systematic collaboration with institutions in low- and middle-income countries contributes to mutual capacity and competence building.

DEVELOPMENT GOALS

NTNU will:

- Take** better advantage of the EU's funding for research, innovation and education to ensure high quality and relevance in our activities
- Establish** strategic partnerships with selected institutions worldwide
- Strengthen** international recruitment of outstanding researchers and increase the international mobility of our employees
- Increase** the proportion of full-degree students who spend a study period at an educational institution abroad

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Photo: Ole Mogen

Establish strategic partnerships with selected institutions worldwide

- University cooperation is “easy”
- Opportunities for cooperation with industry and public sector should be further explored



Thank you for your attention

