



Subsidy and Innovation News, N° 189 , 11 September 2017

Newsletter for Wageningen University & Research on the EU Framework Programme for Research and Development, other international subsidies, national and regional subsidies, EU policy and national R&D and innovation programmes.

Table of Contents

Articles in Dutch are marked by the symbol δ

HORIZON 2020	3
ERC frontier research leaves its mark: 73% breakthroughs or major advances (11 September 2017)	3
General Introduction van de Horizon 2020 werkprogramma's 2018-2020' (7 september 2017) δ	3
Proposed cuts to Horizon 2020 are wrong, says EU Research Commissioner (7 September 2017)	4
SME Instrument: Change of final 2017 cut-off date for Phase 1 (6 September 2017)	5
ERC call open: Proof of Concept ERC-2018-PoC (6 September 2017)	5
ERC Starting Grants: €605 million to 406 top researchers across Europe (6 September 2017)	6
EU Prize for Women Innovators 2018 (5 September 2017)	7
Voor aankondiging Europese call biodiversiteit en ecosysteemdiensten (1 september 2017) δ	7
Origins Center van start (31 augustus 2017) δ	8
FP9	9
Showcase your Horizon 2020 experience and join EUA campaign for an ambitious European Framework Research & Innovation programme (7 September 2017)	9
Other International subsidy news	10
National subsidy news	11
New calls in Top Sector HTSM: NWO promotes partnerships with SMEs with last calls in KIEM-HTSM and LIFT-HTSM pilot (11 September 2017)	11
Drie miljoen euro voor onderzoek dat de infrastructuur van Nederland gaat verbeteren (5 september 2017) δ	11
TKI Dinalog: TKI Toeslag call 2017 – 2de Call nu open! (31 augustus 2017) δ	12
Regional subsidy and innovation news	13

EU R&D and innovation policy	14
VK wil ambitieus partnerschap voor O&I na Brexit (7 september 2017) δ	14
EU-landen spenderen 11% minder aan onderwijs (5 september 2017) δ	14
Debating the case for R&D budgets (31 August 2017)	15
Europe's top contribution to science? The first votes are in... (31 August 2017)	16
Ten cities enter the final round of the 2017 European Capital of Innovation contest (31 August 2017)	17
New Knowledge Centre will provide scientific evidence on bioeconomy (31 August 2017)	18
National R & D and innovation policy news	20
"Nederland is koploper in agrarische innovatie" (7 september 2017) \square	20
Nederlandse universiteiten opnieuw hooggeplaatst in Times-ranking (5 september 2017) δ	20
Financiering universiteiten blijft achter bij aantallen afgestudeerde bachelors en masters (4 september 2017) δ	21
Versterking van onmisbare schakel nodig (1 september 2017) δ	22
Global innovation news	23
Overheden moeten investeringen en innovatie in hernieuwbare energie mobiliseren (7 september 2017) δ	23
Wageningen University & Research related Events	24
Events	25
2017 EIP Water Conference themes announced, Porto 27-28 September 2017	25
6th European Conference on Corporate R&D and Innovation CONCORDi 2017, Seville, Spain, 27-29 September 2017	25
NEW: CommBeBiz-communication workshop during the European Biotech Week 2017, Brussels 27 September	25
Modern Biotechnologies in Agriculture – Paving the way for responsible innovation, Brussels, 28 September 2017	26
GreenTech Week 2017 komt eraan! Making green business, Oost-Nederland 7-13 oktober 2017	26
AGRO-INNOVATION SUMMIT in Lisbon 11-12 October 2017	26
Harnessing Research and Innovation for FOOD 2030: A Science Policy Dialogue, Brussels 16 October 2017	27
NEW: Infomiddag Nanotechnologies, Advanced Materials, Biotechnology, Advanced Manufacturing and Processing (NMBP), 1 november 2017	27
Stakeholder Consultation on Food from the Oceans, Brussels 13 November 2017	28
Infoweek on H2020 Societal Challenge 2, Brussels 14-17 November 2017	28
8th International Scientific Conference 'RURAL DEVELOPMENT 2017: Bioeconomy Challenges', Kaunas, Lithuania 23-24 November 2017	28
4th International Conference of JPI HDHL, Brussels 1 December 2017	29
Bio-based Industries Joint Undertaking (BBI JU) Stakeholder Forum 201, The Square – Brussels 7 December 2017	29
3rd Plant Biology Europe conference, which takes place in Copenhagen, from 18 – 21 June 2018	30
Courses and Workshops	31
Foreseen Courses EU office in 2017	31
Overzicht trainingen Team IRIS / RVO 2017	31
Training Marie Skłodowska-Curie Innovative Training Networks (ITN)	31
Overzicht trainingen ITIS / RVO	31
Call deadlines	32
HORIZON 2020 calls	32
Other related EC calls (JTI, ERA-COFUNDS, JPI's etc.)	34
Other international calls	35
National calls	36
Regional calls	37
About the EU office	38
Contacts	38
Disclaimer	39

HORIZON 2020

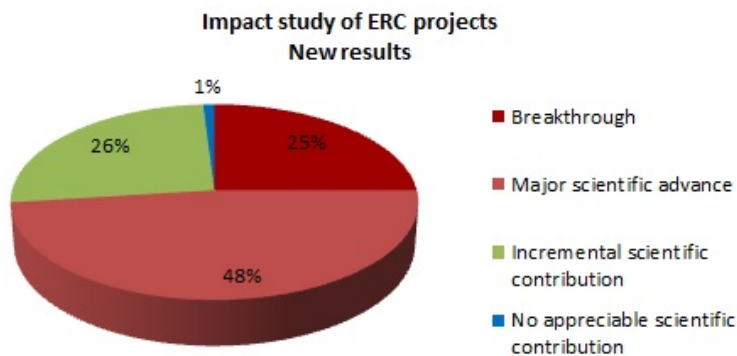
ERC frontier research leaves its mark: 73% breakthroughs or major advances (11 September 2017)

Source: Website ERC <https://erc.europa.eu/news/erc-frontier-research-leaves-its-mark-73-breakthroughs-or-major-advances>

The European Research Council's blue sky research continues to make an impact, as demonstrated in a new independent study, published today, which looked at the outputs of ERC projects. Overall confirming the outcome of last year's study, 73% of projects evaluated have made breakthroughs or major scientific advances. The report found that the ERC is achieving its goals of funding high-risk/high-gain projects and interdisciplinary frontier research.

ERC President Jean-Pierre Bourguignon commented: "I am pleased that this report delivers even slightly better results than the already very uplifting findings of the pilot study. It shows that the European Union's investment, through the ERC, into risky frontier research continues to pay off, triggering real breakthroughs. The pioneering work of ERC grantees is clearly leaving their mark on science and is already starting to benefit European citizens in countless ways, as this impact study strongly suggests. There are many more bright ideas to fund in Europe."

The pilot study, commissioned by the ERC Scientific Council and concluded last year, was seen as a novelty as few funding agencies invest in assessing in depth the scientific impact of the research they support. Subsequently, the Scientific Council requested the new independent qualitative evaluation.



High-level peer reviewers evaluated a random sample of 155 concluded Starting and Advanced Grant projects. They found that a large majority generated very high scientific value: 73% of the projects have already made **breakthroughs or major scientific advances**. About 27% of the projects were incremental or, in a very few cases, did not make an appreciable scientific contribution. These findings by and large confirm the results of the pilot exercise, yet with a slight improvement. The study concludes that the ERC indeed funds **high-risk/high-gain** projects, in accordance with its mission, and that such projects are more likely to lead to breakthroughs. It also highlights the interdisciplinarity of many ERC projects.

The study furthermore found that impact went beyond scientific spheres, despite that this aspect was not taken into account at the time of funding. ERC-funded research has the potential to **benefit the economy and society at large**, with nearly half of the projects already having had impact in this respect and more than three quarters predicted to have such impact in the medium and long term.

Read the study <https://erc.europa.eu/sites/default/files/document/file/2017-qualitative-evaluation-projects.pdf>

Explore examples of ERC-funded blue sky research <https://erc.europa.eu/projects-figures/stories>

General Introduction van de Horizon 2020 werkprogramma's 2018-2020' (7 september 2017)

Bron: Neth-ER

Er circuleert een nieuwe versie van de 'General Introduction van de Horizon 2020 werkprogramma's 2018-2020'. Deze versie betreft een bijgewerkte versie van een concept dat in april 2017 verscheen. Dit document dient als algemene toelichting bij de verschillende Horizon 2020 werkprogramma's. Je kan hele document vinden op onze Horizon2020 portal: <https://portal2.wur.nl/sites/Wageningen-International/Helpdesk/FP8/Work%20Programmes%2020182020/Forms/AllItems.aspx> onder kopje DRAFT werkprogrammes 2018-2020.

De Horizon 2020 werkprogramma's 2018-2020 **zullen grote calls met een hoge impact bevatten en bredere thema's georiënteerd op missies**. Ook zijn de resultaten van de interim evaluatie meegenomen. Voor de periode 2018-2020 zijn onder andere op basis daarvan een aantal prioriteiten gesteld:

- *duurzame ontwikkeling en klimaatverandering;*
- *het integreren van digitalisering in alle industriële technologieën en maatschappelijke uitdagingen;*
- *het versterken van internationale samenwerking voor onderzoek en innovatie met speciale focus op grensoverschrijdende problemen als migratie en veiligheid*
- *sociale veerkracht*
- *market-creating innovatie*

Om meer impact te creëren, zal gebruik worden gemaakt van zogenoemde **focus areas**, waarbij calls met dezelfde thema's gelinkt zijn. Deze link bestaat bijvoorbeeld uit het gebruik van dezelfde deadlines en evaluatieprocedures zodat er kunnen synergiën ontstaan tussen lopende projecten. De focus areas zijn terug te vinden in de bijlage van de *General introduction*.

Neville Reeve (DG RTD) gave an interesting presentation about the next work programmes (WP's) and focus areas.

- *He said the WP's be published on **October 27th**. They will reflect the conclusions of the interim evaluation of Horizon 2020. This means that they will focus on impact, be simpler and shorter (less number of calls and topics, but bigger budgets), entail more flagships on international cooperation and focus more on break through innovation.*
- *Regarding focus areas, he said **that a small number of missions will cut across the programme 'boundaries' to build integration across the programme (comparable to the focus area's in WP 14-15 and 16-17). The focus will be aligned with political drivers and endowed (e.g. security union / climate change) with substantial budget to be able to work on scale, depth and breadth. Thereby, these focus area's will unlock new types of impact.***
- *Evaluators will be briefed about the focus areas, so it is important to acknowledge it when writing a **Horizon 2020 proposal: reflecting on the focus area's won't do any harm.***

Daarnaast zal de eerste pilot voor het European Innovation Council (EIC) van start gaan, waarin instrumenten als de *FET-Open*, het *SME-instrument*, de prijzen en de *Fast Track to Innovation* zullen worden samengevoegd

De verwachting is dat de Horizon2020 Werkprogramma's 2018-2020 op 27 oktober zullen worden gepubliceerd.

Proposed cuts to Horizon 2020 are wrong, says EU Research Commissioner (7 September 2017)

Source: Science|Business Bulletin No. 528

Scientists need to call their governments and complain, Carlos Moedas said as he vowed to make his case to ministers of science and finance. EU Research Commissioner Carlos Moedas has sharply criticised a proposal from member state governments to cut almost half a billion euros out of the Horizon 2020 research programme.

"I think the cuts are wrong," the Commissioner told a Science|Business conference on Wednesday. *"How can you [cut the science budget], in a Europe that wants to be top of development, first in class?"* he said.

In May, the Commission proposed a budget of €160.6 billion for 2018. The Council responded in July, asking for a €1.7 billion reduction, in a proposed budget that would see research suffer the biggest losses.

The proposed cuts, which have also *met with strong opposition from members of the European Parliament*, include €46 million from the Galileo and Egnos satellite navigation programmes, €33 million from the ITER nuclear fusion project and €20 million from the Copernicus Earth-observation programme.

Romanian MEP and budget rapporteur Siegfried Mureşan warned last week that the cuts will have a detrimental effect, putting a number of ongoing research projects at risk, including the creation of new knowledge and innovation communities by the European Institute of Technology. Companies could withhold investment, *"if the EU budget fails to match it,"* he said.

Moedas said that, to walk back the proposals, scientists needed to call their governments and complain. He also vowed to make his case to ministers of science and finance.

Get ahead of science-doubters

By cutting research, Europe would cede an opportunity to move ahead of science-sceptical nations, Moedas added.

"What an amazing opportunity we have in Europe if we keep going the way we know is right," the Commissioner said. *"We can really be leaders today [because] there are other parts of the world that don't want to be leaders."*

Asked if he was specifically referring to the US administration under President Donald Trump, Moedas said, *"The US will always will be a fantastic ally, but if you look at statements of Trump, [on] climate change, he's not going in the direction we are going."*

Trump announced earlier in the year that he would pull the US out of the Paris climate accord, weakening efforts to combat global warming.

"And it's not just in the US, it's also in other parts of the world," Moedas said. *"Even in Europe, there are places that aren't paying [enough] attention to science. I don't see many prime ministers talking about it. I'm telling them, please grasp the opportunity."*

Budget lobbying blitz

This message carries over to the debate on the shape of the overall post-2020 budget period.

By the middle of next year, the Commission will publish a proposal for the EU's trillion euro budget plans for the next financing period that begins in 2021. Like all benefactors of the EU budget, researchers are on a lobbying blitz to avert a big budget hit from Brexit, with the departure of the UK, the EU's number two net contributor after Germany, axeing 16 percent of the EU's overall budget, or €10 billion to €11 billion annually.

Despite the most-likely shrinking budget pie, there is a campaign to protect, and ideally increase, the current research allocation of €77 billion, with former World Trade Organisation head and former EU trade commissioner, Pascal Lamy, calling in a recent report for the next EU budget cycle to double spending on research and innovation.

The Commissioner said he was fighting for a budget bump too, but not putting a number on it – “*that will put me in a corner,*” he said. “*Whatever the size of the cake is, you need to allocate more to science and innovation. Having just 8 per cent research budget is not logical,*” **Moedas argued, pointing out that together, agriculture and regions take fully 72 per cent of the EU budget.**

At least two influential Commissioners appear to see it the same way Moedas does.

In July, **Budget Commissioner Gunther Oettinger** said there was no guarantee that any programme will avoid cuts. “But if I had one option, it would be to avoid cuts to [research].”

Previously, **Commission Vice President Jyrki Katainen** has hinted that he would like to see more money go to research, while declining to specify what he thought the right percentage ought to be. “Let’s not go there,” he said in June.

Keep the good things

Moedas promised to carry popular features of Horizon 2020 into the next programme, set to start in 2021. “*There’s so many things we do well, so let’s keep them,*” he said.

He also dismissed the suspicion held by some researchers that he prioritised innovation over research. The Commissioner’s main policy plank has been the European Innovation Council, a new project to convert more research into commercial products, which gets off the ground in the autumn. There have been complaints that the team of people advising the Commissioner on the new Council does not include a university representative.

“*Because I’m trying to fix one part – innovation - people say I’m not doing it on the other side. But everyone knows how I cherish the European Research Council. If I had more money, I’d give it more money,*” he said.

SME Instrument: Change of final 2017 cut-off date for Phase 1 (6 September 2017)

Source: Website EC EASME <https://ec.europa.eu/easme/en/news/change-final-2017-cut-date-phase-1>

Please note that due to the opening of the EIC Pilot calls (2018-2020), the final cut-off date <https://ec.europa.eu/easme/en/horizons-2020-sme-instrument#deadlines> of the SME Instrument call for Phase 1 in 2017, has been brought forward to the **7th of November 2017 at 17:00:00 (Brussels time)**.

The cut-off date of November 8th set out in the Work Programme no longer applies.

ERC call open: Proof of Concept ERC-2018-PoC (6 September 2017)

Source: Website ERC <http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/erc-2018-poc.html>

ERC Proof of Concept call 2018 is open, with 3 Cut-off dates: 16 January 2018 17:00, 18 April 2018 17:00 and 11 September 2018 17:00.

Frontier research often generates unexpected or new opportunities for commercial or societal application. The ERC Proof of Concept Grants aim to maximise the value of the excellent research that the ERC funds, by funding further work (i.e. activities which were not scheduled to be funded by the original ERC frontier research grant) to verify the innovation potential of ideas arising from ERC funded projects. Proof of Concept Grants are therefore on offer only to Principal Investigators whose proposals draw substantially on their ERC funded research

The financial contribution will be up to a maximum of EUR 150 000 for a period of 18 months. The ERC expects that normally, proof of concept projects should be completed within 12 months. However, to allow for those projects that require more preparation time, projects will be signed for 18 months. Given this initial flexibility, extensions of the duration of proof of concept projects may be granted only exceptionally.

Profile of the ERC Proof of Concept Grant Principal Investigator

All Principal Investigators in an ERC frontier research project, that is either on going or has ended (where the duration of the project fixed in the ERC Grant Agreement has ended) less than 12 months before 1 January 2018, are eligible to participate and apply for an ERC Proof of Concept Grant.

For further information please refer to the ERC Work Programme 2018.

Deadlines / cut-off dates: 16 Jan 2018 | 18 Apr 2018 | 11 Sept 2018

ERC Starting Grants: €605 million to 406 top researchers across Europe (6 September 2017)

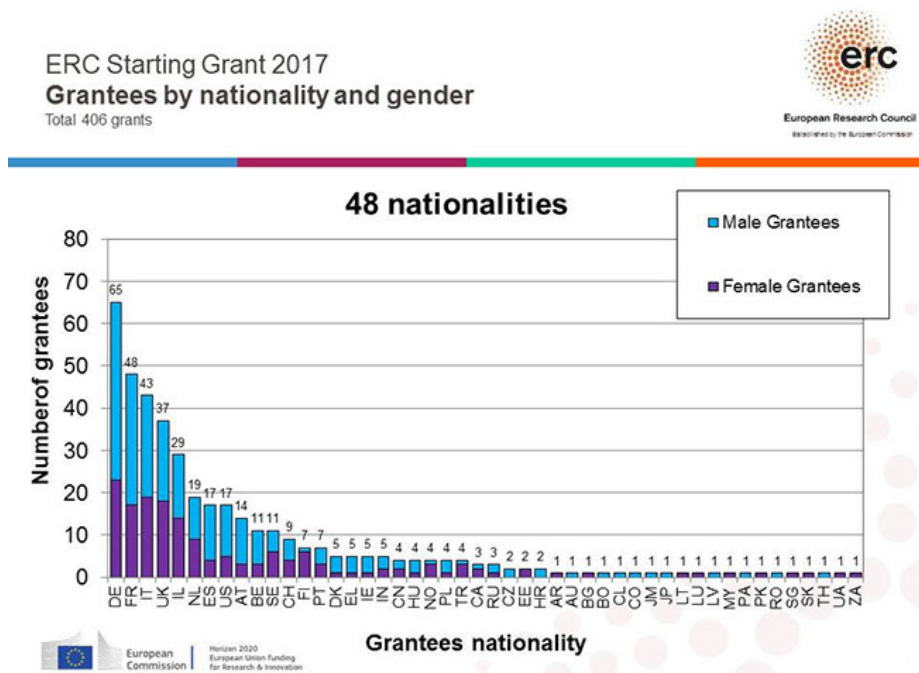
Website ERC news https://erc.europa.eu/news/erc-2017-starting-grants-results?utm_medium=email&utm_campaign=ERC+Update++ERC+Starting+Grants%3A+%E2%82%AC605+...&utm_source=Newsletters+YMLP&utm_term=ERCStarting+Grants%3A+%E2%82%AC605+mi...

The European Research Council (ERC) has announced today the awarding of its Starting Grants to 406 early-career researchers throughout Europe. The funding, worth €605 million in total and up to €1.5 million per grant, will enable them to set up their own research teams and pursue ground-breaking ideas. The share of women amongst the new grantees is the largest ever in an ERC competition and there was also more diversity in terms of nationalities.

The new grantees will work on a wide range of topics; from health research on chronic infections or asthma, to disaster management, network security, and climate change. The funded research covers all disciplines: physical sciences and engineering, life sciences, and social science and humanities. See more examples of funded research <https://erc.europa.eu/news/erc-2017-starting-grants-highlighted-projects>. The grants are awarded under the 'excellent science' pillar of Horizon 2020, the EU's research and innovation programme.

On this occasion, **Carlos Moedas**, European Commissioner for Research, Science and Innovation, said: "Top talent needs good conditions at the right time to thrive. The EU provides the best possible conditions at the early stages of a researcher's career through the ERC Starting Grants. That's why this funding is so crucial for the future of Europe as science hub: it keeps and attracts young talent. This time the ERC attracted researchers of 48 different nationalities based in 23 European countries. It's an investment that will pay off, boosting the EU's growth and innovation."

The President of the ERC, Professor Jean-Pierre Bourguignon, said: "I'm delighted that the 2017 ERC Starting Grant call has attracted more women researchers than ever. Even better, four out of ten of the grant winners are women – also a record since the ERC's launch. I hope the persistent work of the ERC Scientific Council and its Working Group on Gender Balance has contributed to this positive evolution. I am confident that this bodes well for the future of science in Europe – we need to capitalise on all talent available."



This time around, some 40% of grantees are women, and female applicants were more successful than men in securing funding (14.5% and 12.7% respectively). ERC grants are awarded to researchers of any nationality based in, or willing to move to, Europe. The grantees will be hosted in 23 countries across Europe, **with the United Kingdom (79), Germany (67) and France (53)** as top locations. This year's competition counts 48 different nationalities amongst the grantees – the highest number since the establishment of the ERC. Forty-five grantees are non-European nationals, of which many already based in Europe; this includes 17 Americans. This time, 18 researchers are moving to Europe to carry out their ERC-funded projects; amongst them there are 13 returning Europeans. The ERC received 3,085 proposals in this call of which around 13% was funded.

These Starting Grants will help the selected researchers to build their own teams, potentially engaging more than 1,500 postdocs and PhD students as ERC team members. The funding therefore contributes to supporting a new generation of top researchers in Europe. List of all selected researchers by country https://erc.europa.eu/sites/default/files/document/file/erc_2017_stg_results_all_domains.pdf of host institution (alphabetical order within each country group)

Lists of selected researchers by domain (in alphabetical order):

- Physical Sciences and Engineering https://erc.europa.eu/sites/default/files/document/file/erc_2017_stg_results_pe.pdf
- Life Sciences https://erc.europa.eu/sites/default/files/document/file/erc_2017_stg_results_ls.pdf
- Social Sciences and Humanities https://erc.europa.eu/sites/default/files/document/file/erc_2017_stg_results_sh.pdf

Statistics – ERC Starting Grants 2017 https://erc.europa.eu/sites/default/files/document/file/erc_2017_stg_statistics.pdf

About the ERC

The European Research Council, set up by the European Union in 2007, is the first European funding organisation for excellent frontier research. Every year, it selects and funds the very best, creative researchers of any nationality and age, to run projects based in Europe. The ERC has three core grant schemes: Starting Grants, Consolidator Grants and Advanced Grants. An additional funding scheme, Synergy Grants, has been re-launched in 2017.

To date, the ERC has funded some 7,000 top researchers at various stages of their careers, and over 50,000 postdocs, PhD students and other staff working in their research teams. The ERC strives to attract top researchers from anywhere in the world to come to Europe. Key global research funding bodies, in the United States, China, Japan, Brazil and other countries, have concluded agreements to provide their researchers with opportunities to temporarily join <https://erc.europa.eu/funding/additional-opportunities> ERC grantees' teams.

EU Prize for Women Innovators 2018 (5 September 2017)

Source: Website EC participants Portal <https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/h2020-swfs-2016-2017-35.html>

Europe urgently needs more innovators to stay competitive in the coming decades and to spur economic growth. The large number of well-educated women who, for various reasons, including lack of awareness, do not consider entrepreneurship as an option, represents a tremendous untapped pool of innovation.

Awards have a strong potential to drive innovation through the recognition of achievements and the promotion of role models. Therefore, the European Commission created in 2011 a Prize for Women Innovators to increase public awareness of this issue and to encourage women to exploit the commercial and business opportunities and become entrepreneurs.

After the success of the forerunners of the contest in 2011, 2014, 2016 and 2017 the Commission intends to continue its drive to spotlight women innovators and entrepreneurs who have brought outstanding innovations to the market. The EC wants to highlight the outstanding achievements of women innovators who have (co-) founded a successful company and brought an innovation to market and benefitted from Research and Innovation funding from the public or private sector.

The Commission will award up to three "EU Prize for Women Innovators" and one "Rising Innovator Award" (female innovators - aged 30 years or under - at the start of their careers) following a European-wide contest.

First Prize 100 000 EUR

Second Prize 50 000 EUR

Third Prize 30 000 EUR

Rising Innovator 20 000 EUR

You can receive regular updates on the contest via http://ec.europa.eu/research/innovation-union/index_en.cfm?section=women-innovators and follow us on Twitter #WIPrizeEU

Vooraankondiging Europese call biodiversiteit en ecosysteemdiensten (1 september 2017)

Bron: Website NWO actueel nieuws <https://www.nwo.nl/actueel/nieuws/2017/enw/vooraankondiging-europese-call-biodiversiteit-en-ecosysteemdiensten.html>

NWO financiert mee aan de Europese call BiodivScen over scenario's voor biodiversiteit en ecosysteemdiensten. Deze call gaat naar verwachting op 2 oktober 2017 open voor indiening.

Deze call is een gezamenlijke activiteit van het Belmont Forum <http://www.belmontforum.org/> en het ERA-net Biodiversa. De call moet betere beleidsbeslissingen mogelijk maken door de ontwikkeling van scenario's van veranderingen in biodiversiteit en de bijbehorende ecosysteemdiensten. Het beschikbare NWO budget voor deze call bedraagt 800.000 euro. Er is ruimte voor postdoc projecten van twee ton voor de duur van 2,5 jaar. Onderzoekers moeten consortia vormen uit minimaal drie landen.

Er is weinig tijd tussen de publicatie van de call en de deadline voor indienen van vooraanmeldingen. Houd bij belangstelling de website van Biodiversa of Belmont Forum daarom goed in de gaten.

Meer informatie over deze call bij Martijn Los, m.los@nwo.nl telefoon

Indicative schedule of the call:

- October 2017: official launch of the Call
- December 2017: Deadline to submit pre-registration
- March 2018: Deadline to submit full proposals

Indicative global budget: 25 million euro

Participating countries (to be updated):

At this stage, the following countries have expressed a preliminary interest to participate to the call: Argentina, Brazil (State of Sao Paulo), Bulgaria, Canada, Estonia, Finland, France, Germany, Hungary, Ireland, Ivory Coast, Lithuania, **The Netherlands**, Norway, Poland, Romania, Slovakia, Spain, Sweden, Switzerland, Turkey, United States
Austria, Belgium and Portugal are also likely to participate to the call (their participation however till needs to be confirmed).

Origins Center van start (31 augustus 2017)🔗

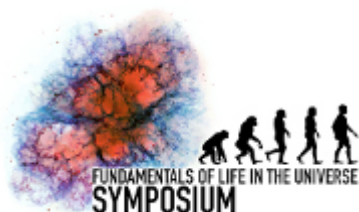
Bron: Website NWO actueel nieuws <https://www.nwo.nl/actueel/nieuws/2017/enw/vooraankondiging-europese-call-biodiversiteit-en-ecosysteemdiensten.html>

Het Origins Center gaat officieel van start met een openingssymposium. Dit virtuele platform komt voort uit de Nationale Wetenschapsagenda. Het centrum gaat onderzoeken wat de oorsprong is van het leven op aarde en in het heelal.

Het Origins Center heet voluit 'Center for the study of origins and evolution of life, planets and the universe'. Het platform coördineert en faciliteert binnen het Nederlandse onderzoeksbestel het onderzoek naar de oorsprong van het leven.

NWA

De oorsprong van het Origins Center ligt in de Nationale Wetenschapsagenda. De Nederlandse bevolking stelde in 2015 ruim 12.000 vragen aan de wetenschap. De bundeling van deze vragen in uiteindelijk acht routes moet leiden tot extra investeringen in onderzoek en innovatie. NWO heeft in juli 2017 een startimpuls <https://www.nwo.nl/actueel/nieuws/2017/nwo-honoreert-aanvragen-startimpuls-nationale-wetenschapsagenda.html> toegekend van ieder 2,5 miljoen euro voor de acht NWA routes – waaronder de route De oorsprong van het leven, op aarde en in het heelal. Daarin zijn de talloze vragen gebundeld die gingen over de oorsprong van leven en alles wat wij kennen.



Afbeelding: Origins Center symposium

Origins Center

Het overkoepelende thema van het centrum is de zoektocht naar de oorsprong van het leven. De onderzoekers komen uit de aard- en planeetwetenschappen, astronomie, moleculaire- en evolutiebiologie, informatica, fysica, chemie en wiskunde. Samen gaan ze onderzoek doen naar het ontstaan, het functioneren en de toekomst van leven in een veranderende omgeving, van moleculaire tot planetaire schaal.

Het centrum start vijf driejarige projecten. Zij willen naar vijf doorbraken (*game changers*) in kennis toewerken: 1. de reconstructie van het ontstaan van de aarde en van het leven; 2. voorspelling van de evolutie van leven; 3. het leven van moleculair tot biosfeer bouwen en sturen; 4. buitenaards leven vinden en tenslotte 5. grote schalen in tijd en ruimte overbruggen <http://www.origins-centre.nl/origin-and-co-evolution-of-earth-like-planets-and-life/>. Omdat aan de basis van het Origins Center de duizenden publieksvragen van de NWA staan, komt er ook een groot *outreach* programma, met onder meer een zaal in het vernieuwde Naturalis over de oorsprong van het leven.

In totaal werken 17 Nederlandse universiteiten en onderzoeksinstituten samen in het Origins Center. Boegbeelden van het project zijn **Louise Vet (NIOO)**, **Rens Waters (SRON)** en **Nobelprijswinnaar Ben Feringa**. Het openingssymposium vindt plaats op 31 augustus en 1 september in Groningen; de Rijksuniversiteit Groningen is namelijk penvoerder van het Origins Center.

Meer info op www.origins-center.nl.

Wageningen University & Research is ook partner van dit Center. Zo is Wageningen UR lid van de volgende 'Working Groups':

- **Ecology and Evolution (via Louise Vet)**
- **Molecular Biosciences (John van der Oost)**

Showcase your Horizon 2020 experience and join EUA campaign for an ambitious European Framework Research & Innovation programme (7 September 2017)

Source: Website EUA <http://www.eua.be/activities-services/news/newsitem/2017/09/07/showcase-your-horizon-2020-experience-and-join-eua-campaign-for-an-ambitious-european-framework-research-innovation-programme>

With the start of the new academic year, EUA calls on universities to contribute to its campaign for an ambitious framework research programme to cover the period 2021-27, allowing to strengthen EUA's position as a major stakeholder in these discussions. EUA remains fully committed to achieve optimal conditions for universities to participate in the next EU Framework Programme for Research & Innovation (FP9). In the first half of the year, the Association exploited the outcomes of its 2016 membership consultation to promote a more effective and efficient programme in the post-2020 period.

EUA is pleased to see that many of its arguments have been taken on board by the Brussels policy-makers and welcomes a growing recognition of the underfunding challenge by the European Commission and initial indications that FP9 will aim at contributing to enhance the link between research, innovation and education. However, much remains to be done to convince national governments to match financially the EU's ambitions for research. In the summer, the EU Council proposed a significantly smaller increase <http://data.consilium.europa.eu/doc/document/ST-10939-2017-REV-1/en/pdf> to the Horizon 2020 budget for 2018 than was set out in the Commission's draft budget for next year. These developments create further concern about sufficient future funding for FP9 and point to the need for a stronger communication of universities' contributions to society through their participation in the EU Framework Programme.

In seeking to support its core messages <http://www.eua.be/Libraries/default-document-library/eua-vision-for-'fp9'.pdf> with the concrete examples of universities' engagement, EUA invites its members to **contribute** to its new collection of cases on "Universities for FP9". The collection will help EUA to share the stories of the sector with EU and national decision-makers, inspired by good practices and lessons learnt. It will support EUA advocacy activities promoting sound research policies, sustainable and simple funding instruments <http://www.eua.be/Libraries/publications-homepage-list/ambitious-funding-needed-to-back-excellent-research-ideas-in-europe-post-2020.pdf?sfvrsn=8> and effective regulations.

The call for contributions https://docs.google.com/forms/d/e/1FAIpQLSeW5PiWShv-h8C04_X1qny4KNrXaIVJCScHbyZmMKUnIU6a4w/viewform is available on the EUA website and the first collection round will end on 2 October 2017. Other rounds will be announced throughout the campaign in 2018 and 2019.

As part of this campaign, EUA is also organising the high-profile event '**Excellence in research, innovation and education: the universities' recommendations for an efficient and ambitious FP9**' on 9 November. The meeting, hosted by MEP Christian Ehler at the European Parliament, will showcase the contribution of universities – the single largest group of participants in Horizon 2020 – to the solution of the grand technological and societal challenges, and bring university researchers and research managers face-to-face with EU decision-makers. The former will share their experiences with Horizon 2020, explaining the impact and added value of the university projects funded through the programme. Online registration <http://www.eua.be/activities-services/events> will be open soon.

Join our campaign and showcase https://docs.google.com/forms/d/e/1FAIpQLSeW5PiWShv-h8C04_X1qny4KNrXaIVJCScHbyZmMKUnIU6a4w/viewform your institution's experience with EU research funding

Other International subsidy news

National subsidy news

New calls in Top Sector HTSM: NWO promotes partnerships with SMEs with last calls in KIEM-HTSM and LIFT-HTSM pilot (11 September 2017)

Bron: Website NWO news and events <https://www.nwo.nl/en/news-and-events/news/2017/enw/new-calls-in-top-sector-htsm-nwo-promotes-partnerships-with-smes-with-last-calls-in-kiem-htsm-and-lift-htsm-pilot.html>

In the pilot of KIEM-HTSM and LIFT-HTSM there will be two final calls with deadlines in December.

These calls focus on **collaboration between physicists and SME's within the Top Sector HTSM**. In its strategic plan, former FOM has incorporated **greater involvement of Small and Medium Enterprises (SMEs) in fundamental research**. Within NWO there are KIEM tools for this, such as KIEM for the Chemical Top Sector. FOM is now launching a tool that focuses on partnerships with SMEs in the Top Sector High Tech Systems and Materials (HTSM): KIEM-HTSM. Innovative collaboration projects from businesses and research institutes, in which the business community wishes to invest, can submit project proposals to FOM.

Since 2004, it has been possible to apply to NWO for an Industrial Partnership Programme (IPP). NWO uses this tool in order to strengthen links with the industrial sector and thus ensure that NWO research contributes to the knowledge economy of the Netherlands. More information will soon be available on the NWO website.

Drie miljoen euro voor onderzoek dat de infrastructuur van Nederland gaat verbeteren (5 september 2017)

Bron: Website NWO actueel nieuws <https://www.nwo.nl/actueel/nieuws/2017/magw/drie-miljoen-euro-voor-onderzoek-dat-de-infrastructuur-van-nederland-gaat-verbeteren.html>

Het in stand houden en verbeteren van de infrastructuur in Nederland vraagt onder andere om betere afstemming tussen verschillende partijen, innovatief gebruik van datastromen, nieuwe businessmodellen en flexibiliteit. Om aan deze uitdaging tegemoet te komen, hebben NGinfra en NWO in een eerste ronde van het programma 'Responsive Innovations' zes onderzoeksprojecten financiering toegekend.

Het programma 'Responsive Innovations' is de uitkomst van een samenwerking tussen het kennisplatform Next Generation Infrastructures (NGinfra) en NWO. NGinfra is een kenniscentrum waarin Rijkswaterstaat, het Havenbedrijf Rotterdam, Alliander, ProRail, Vitens, de Schiphol Group en KPN zich hebben verenigd om de infrastructuur in Nederland adequaat te laten inspelen op de veranderingen van nu en in de toekomst.

Het doel van de eerste ronde van het vraaggestuurde onderzoeksprogramma 'Responsive Innovations' is het ontwikkelen van nieuwe kennis over responsieve infrastructuur, het stimuleren van multidisciplinaire samenwerking tussen infrastructuur en het overbruggen van de kloof tussen onderzoek en praktijk. Een internationale beoordelingscommissie heeft de voorstellen beoordeeld en advies uitgebracht aan het NWO Domeinbestuur Sociale en Geesteswetenschappen en het NGinfra bestuur. Zij namen hebben besloten om de zes onderstaande aanvragen financiering toe te kennen. In de projecten werken de onderzoekers en de infrabeheerders van NGinfra nauw samen zodat onderzoek en praktijk nauw op elkaar aangesloten zijn en kennisdeling al tijdens de uitvoering van het onderzoek kan plaatsvinden.

Projecten

- 1. Responsive Infrastructure Through Responsive Institutions (RITRI)**
Hoofdaanvrager: Dr. ir. A. Hartmann (Universiteit Twente)
- 2. Using data streams to support the integrated design, construction and management of interconnecting infrastructures**
Hoofdaanvrager: Prof. dr. H.L.M. Bakker (Technische Universiteit Delft)
- 3. Inter-organizational collaboration in the governance of subsurface infrastructure networks**
Hoofdaanvrager: Prof. dr. ing. A.H. van Marrewijk (Vrije Universiteit Amsterdam)
- 4. Legal & Organizational Network & Governance Aspects of Data-Driven Innovations in Infrastructure Management (LONGA VIA).**
Hoofdaanvrager: Prof. dr. S.A.C.M. Lavrijssen (Universiteit Tilburg)
- 5. Building cooperation capabilities for improving resilience and optimizing joint maintenance in future infrastructures**
Hoofdaanvrager: Prof. dr. D.P. van Donk (Rijksuniversiteit Groningen)
- 6. D-to-MII: Design to Manage Interconnected Infrastructures**
Hoofdaanvrager: Prof. mr. dr. E.F. ten Heuvelhof (Technische Universiteit Delft)

Meer informatie over de projecten vind je hier: <https://www.nwo.nl/actueel/nieuws/2017/magw/drie-miljoen-euro-voor-onderzoek-dat-de-infrastructuren-van-nederland-gaat-verbeteren.html>

TKI Dinalog: TKI Toeslag call 2017 – 2de Call nu open! (31 augustus 2017)

Bron: Website Dinalog <https://www.dinalog.nl/tki-toeslag-call-2017-2de-call-nu-open/>

Data-analytics, cybersecurity in logistics, gedragsverandering in het systeem van horizontale samenwerking en supply chain finance. Dat is een aantal onderwerpen uit de nieuwe TKI Toeslag call.

TKI Dinalog (een samenwerking tussen Dinalog, NWO en TNO) heeft een TKI-toeslag budget van maximaal 1 miljoen euro beschikbaar gesteld voor een nieuwe call for proposals. Deze call is voor aanvragen van TKI-toeslag voor industrieel onderzoek en experimentele ontwikkeling en draagt bij aan de uitvoering van het Meerjarenprogramma Topsector Logistiek 2016-2020.

In de call is ruimte voor de financiering van samenwerkingsprojecten in specifieke onderwerpen binnen de roadmaps en actiethema's. Deze zijn verder beschreven in het bijgevoegde document (TKI 2017 – 2de call for proposals).

Financiering

Samenwerkingsprojecten zijn onderzoeksprojecten die uitgevoerd worden door een samenwerkingsverband van bedrijven en kennisinstellingen. De minimale omvang van een consortium is twee bedrijven en één kennisinstelling. De voorkeur gaat uit naar een stevige betrekking van MKB. Per project is het volgende budget beschikbaar:

- Industrieel (R&D) onderzoek: maximaal 50% van de subsidiabele kosten, met een maximum van € 300.000,= (maximale projectomvang € 600.000,= voor maximaal 2 jaar);
- Experimentele ontwikkeling: maximaal 25% van de subsidiabele kosten, met een maximum van € 200.000,= (maximale projectomvang € 800.000,= voor maximaal 2 jaar).

Ideeën?

De programmamanagers van TKI Dinalog ondersteunen u graag bij het indienen van uw voorstel. Zo kunnen wij u helpen bij het vinden van geschikte partners voor uw idee en onafhankelijk feedback geven op uw voorstel. Neem gerust contact met ons op voor meer informatie. In bijgevoegde documenten kunt u meer informatie vinden over deze call en de werkwijze voor de indiening.

Tijdsplanning

August 29, 2017	Open Call for proposals
October 31, 2017; 24.00 hours	Deadline for submission of proposals
November 14, 2017	Review by the Program Commission – assessment and ranking proposals
November 28, 2017	Discussion by the Board and allocation
November 29 and 30, 2017	Notification of coordinator

Deze call for proposals is geldig tot en met de sluitingsdatum **31 oktober 2017 (24.00 uur)**. Indiening vindt plaats per email op tenders@dinalog.nl

De relevante documenten behorende bij deze call zijn:

TKI Dinalog 2017 – 2de call for proposals – FINAL VERSION 31 juli 2017 <https://www.dinalog.nl/wp-content/uploads/2017/08/TKI-Dinalog-2017-2de-call-for-proposals-FINAL-VERSION-31-juli-2017.pdf> (inhoudelijke beschrijving van onder meer de specifieke relevante gevraagde onderwerpen voor deze call)

TKI Dinalog – Guide for Project Plan and Program Tender – FINAL VERSION 31-7-2017 <https://www.dinalog.nl/wp-content/uploads/2017/08/TKI-Dinalog-Guide-for-Project-Plan-and-Program-Tender-FINAL-VERSION-31-7-2017.pdf> (handreiking voor het indienen van een projectplan)

TKI Dinalog 2017 – WORD templates – FINAL VERSION 31-7-2017 <https://www.dinalog.nl/wp-content/uploads/2017/08/TKI-Dinalog-2017-WORD-templates-FINAL-VERSION-31-7-2017.docx> (WORD template voor het uitwerken van het inhoudelijke voorstel)

TKI-Dinalog – Excel_Template_for_Project_Budget_incl_interne_financiering – FINAL VERSION 31-7-2017 https://www.dinalog.nl/wp-content/uploads/2017/08/TKI-Dinalog-Excel_Template_for_Project_Budget_incl_interne_financiering-FINAL-VERSION-31-7-2017.xlsm (TKI-Excel Template voor het uitwerken van de projectbegroting en -financiering).

Regional subsidy and innovation news

EU R&D and innovation policy

VK wil ambitieus partnerschap voor O&I na Brexit (7 september 2017)

Bron: Neth-ER Nieuwsbrief week 36

Het Verenigd Koninkrijk wil een ambitieus partnerschap met de EU voor onderzoek en innovatie. Dit schrijft het Britse overheid in haar paper over onderzoek en innovatie (O&I) na de Brexit. Het partnerschap moet het meest hechte en ambitieuze partnerschap zijn dat ooit tussen de EU en een niet-EU-land is gesloten.

Hechter en ambitieuzer

Het VK streeft naar een ambitieuzere associatieovereenkomst dan tot nog toe werd gesloten tussen de EU en landen daarbuiten. Dit wordt benadrukt in het "*Collaboration on science and innovation: a future partnership paper*"

https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/642542/Science_and_innovation_paper.pdf dat gepubliceerd is door het Britse *Department for Exiting the European Union*. Het paper verwijst hierbij naar het rapport van de Lamy-groep <https://www.neth-er.eu/nl/nieuws/Lamy-groep-maak-OI-prioriteit-EU-en-nationale-begroting-0>, waarin wordt benadrukt dat het openstellen van het kaderprogramma voor O&I voor niet-EU-landen voordelig is voor de EU.

Onderzoeksprogramma's

Het VK wil zoveel mogelijk zekerheid bieden aan begunstigden van Horizon 2020 en daarom heeft de overheid toegezegd financiële garanties <https://www.neth-er.eu/nl/nieuws/Brexit-en-financiering-H2020-projecten> te bieden voor alle Horizon 2020-projecten die ingediend zijn voordat de Brexit een feit is. Het VK zal samenwerken met de Europese Commissie om te garanderen dat financiering die vervolgens toegekend wordt aan projecten, ook werkelijk uitbetaald zal worden.

Er staat in het paper geen informatie over de inzet van het VK aangaande de laatste 20 maanden van Horizon 2020 of KP9. Afspraken over deelname aan toekomstige kaderprogramma's zullen worden besproken tijdens de EU-onderhandelingen over het nieuwe kaderprogramma (KP9). Ook laat het VK weten deel te willen blijven uitmaken van onderzoeksprogramma's zoals de Euratom, de nucleaire programma's, defensie- en de ruimtevaartprogramma's.

Vrij verkeer van personen

In het paper zegt het VK dat het talent zal blijven verwelkomen, echter zijn de precieze regelingen omtrent vrij verkeer van personen, en daarmee mobiliteit van onderzoekers en studenten, onderdeel van verdere onderhandeling. Het VK laat weten dat het de discussie over deelname aan mobiliteitsprogramma's zoals de Marie Skłodowska-Curie-Acties verwelkomt.

Ook wil het VK een akkoord bereiken zodat een systeem van wederzijdse erkenning van professionele kwalificaties behouden kan worden. De Britse overheid wil daarnaast 100 miljoen euro investeren om zowel jonge als meer ervaren onderzoekers aan te trekken uit de ontwikkelde landen en uit opkomende landen zoals China en India.

Context

Het paper over onderzoek en innovatie maakt deel uit van een reeks papers over de positie van het VK na de Brexit. Deze papers dienen als input voor de onderhandelingen. Een onderzoek <https://www.neth-er.eu/nl/nieuws/EP-over-OI-samenwerking-na-Brexit> in opdracht van het Europees Parlement concludeerde eerder ook dat een associatieovereenkomst het meest gunstige scenario zou zijn voor het VK.

Meer informatie:

Publicatie Britse overheid

https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/642542/Science_and_innovation_paper.pdf :

Collaboration on science and innovation: a future partnership paper

EU-landen spenderen 11% minder aan onderwijs (5 september 2017)

Bron: Neth-ER Nieuwsbrief week 36

EU-lidstaten verminderden de jaarlijkse overheidsuitgaven aan onderwijs tussen 2009 en 2015 met maar liefst 11%, wanneer je dit afzet tegen het BBP. Dit concludeert het Lifelong Learning Platform gebaseerd op nieuwe data van Eurostat.

Overheidsuitgaven voor onderwijs dalen

De gemiddelde overheidsuitgaven voor onderwijs in Europa daalden tussen 2009 en 2015 van 5,5% in 2009 naar 4,9% van het BBP in 2015. Dat is een daling van 11%. Dit blijkt uit een analyse van het *Lifelong Learning Platform* <http://lllplatform.eu/news/much-european-countries-spend-education-lets-compare-data-throughout-years/>, gebaseerd op onlangs gepubliceerde data van Eurostat <http://ec.europa.eu/eurostat/web/products-eurostat-news/-/DDN-20170828-1>. Een eerdere analyse <http://ec.europa.eu/eurostat/documents/3433488/5585888/KS-SF-13-012-EN.PDF/d631ca16-eb4f-4944-873f-e247b748459c> van Eurostat vermeldt de dalende trend ook al tussen 2009 en 2011.

Trend in Nederland vergelijkbaar

In Nederland is ook een daling te zien in de uitgaven aan onderwijs. In 2009 werd 5,7% van het Nederlandse BBP vrijgemaakt voor onderwijs, maar in 2015 was dit nog maar 5,4%. Dit ligt dus wel hoger dan het EU-gemiddelde.

Meer informatie

Persbericht Lifelong Learning Platform <http://llplatform.eu/news/much-european-countries-spend-education-lets-compare-data-throughout-years/>: Worrying trends in financing education in Europe: Down by 11% since 2009

Publicatie Eurostat <http://ec.europa.eu/eurostat/web/products-eurostat-news/-/DDN-20170828-1>: How much do Member States spend on education?(link is external)

Publicatie Eurostat <http://ec.europa.eu/eurostat/documents/3433488/5585888/KS-SF-13-012-EN.PDF/d631ca16-eb4f-4944-873f-e247b748459c>: The level of government expenditure on education varies between Member States

Debating the case for R&D budgets (31 August 2017)

Source: Website SCIENCE|BUSINESS <http://sciencebusiness.net/highlights/debating-case-rd-budgets>

Public spending on research and innovation pays off – but how much, and why? Economists struggle to find the answers Why spend money on research? Léopold Demiddeleer, a Belgian technology executive, has a one-word answer: courage.

About 10 years ago his former employer, chemicals giant Solvay, was stepping up development of hydrogen fuel-cell technologies, a key to low-carbon cars. It needed someplace to demonstrate the technology, and Solvay's big Antwerp chemical plant was a good candidate. But, as chief technology officer, how was he going to persuade the company to risk the money to refit the plant? Enter the Flemish government, which agreed to a series of small investments. Inside Solvay, the public commitment switched the traffic lights to green. The specific amount was less important than the signal it sent, he recalls. *“Even if it's small, the leverage is important. You need a justification inside the company that you are not alone to think this way; so you need this external funding”* to win the budget argument internally. *“It takes a certain courage.”* imparting courage – more commonly known in policy circles as a catalytic effect – is one of many justifications offered for increased public spending on research and innovation. In the Solvay case, the outcome was happy: The technology worked, and jobs were created in Belgium and Germany. But as public R&D budgets rise, the policy arguments behind it get ever-more complicated.

Counting the reasons

Some argue public largesse is needed for basic research – because companies won't do it, and all the great technologies from the Internet to antibiotics have begun in publicly funded research. Others say more public money is needed to build networks – innovation ecosystems – through which ideas move from lab to market. Others argue for late-stage technology subsidies, such as Solvay-style demonstration projects. Strengthen universities to improve skills, say others. Invest in R&I to boost 'capacities' or jobs or economic growth. Raise budgets because wise, science-based policy improves society and reduces social tensions. Or, yet another: R&D creates knowledge, a public good.

The debate goes on – even as global spending on R&I rises, to \$1.48 trillion in 2013, according to the latest UNESCO <http://en.unesco.org/node/252279> report. Is there any consensus among the experts about the returns it yields? Well, of a limited sort: *“The broad consensus is that the returns are extremely difficult to measure,”* says Luc Soete, a prominent economist and former rector at the University of Maastricht. That doesn't mean the money is wasted; to the contrary. Instead, he says, it means that in the end a finance minister's decision to boost R&D budgets comes down to politics. *“Ultimately, it's a political choice.”* And this is, certainly, a moment of political choice in Europe. Starting this Autumn the European Union, under the Estonian Presidency, is stepping up debate on its next multi-year spending plans. Over the past decade, EU spending on R&I has nearly tripled, to €77 billion over the current seven-year plan. Many are pushing for a further rise from 2021 onwards – with one advisory group, chaired by former World Trade Organisation head Pascal Lamy, advocating http://ec.europa.eu/research/evaluations/pdf/archive/other_reports_studies_and_documents/hlg_2017_report.pdf#view=fit&pagemode=none another doubling of the budget. At the same time, however, EU member-states are wrestling with the rising costs of policies for migration, defence and terrorism. And other long-established programmes, in regional development and agriculture, need money, too.

Eye-popping returns

In this kind of debate, there are no lack of studies in support of R&I. The most noteworthy <https://libwiki.cshl.edu/confluence/display/HGP/Tripp+S%2C+Grueber+M+%282011%29+Economic+Impact+of+the+Human+Genome+Project>, by US consultants Battelle Memorial Institute, found that for every dollar that the US government invested in the DNA-deciphering Human Genome Project of the 1990s, it generated a return of \$141 to the US economy overall – in new products, services, jobs, tax revenues and other factors. Another study by the US National Institutes of Health claimed that medical research it funded over the years led to reductions in illness that saved the US economy \$240 billion. In the EU, economists have generally taken a more cautious line. One study <http://ec.europa.eu/research/index.cfm?pg=newsalert&year=2015&na=na-191115>, for the European Commission, estimated that its €55 billion Framework Programme 7, from 2007 to 2013, generated €11 for every euro invested. A study <https://www.mrc.ac.uk/publications/browse/medical-research-whats-it-worth/> for the UK Medical Research Council estimated an annual rate of return of 30% to 37% from biomedical research into cardiovascular and mental health. Several studies, by a range of economists, have estimated the annual rate of return from public R&I investment to be at least 20%. This figure, 20%, has become something of a benchmark in research economics – and, by comparison, investing in 10-year Eurozone government bonds produces a 3.1% annual return.

Whatever the number, “there is overwhelming evidence from multiple sources to justify research as one of the best investments that can be made with public (and private) funds,” said one paper https://ec.europa.eu/research/ovpvision/pdf/rise/georghiou-value_research.pdf by University of Manchester Vice President Luke Gheorgiou.

The economic toolbox

So why all this confusion? One reason is the methodologies all differ: the economic literature in this field is a basket of apples, oranges, pears, and boysenberries. Also, Soete believes, many also suffer from being too conventional, economics-wise. They use the standard econometric toolbox of creating a computer model that takes input and output factors and tries to estimate the causal link – without certainty there really is a link. He advocates a ‘Big Data’ approach to look, without any preconceptions, for correlations between different variables – for instance, between the quality of a country’s universities and its technology exports.

Generally, many experts say, a bullet-proof justification for R&I investment may be impossible. There are too many interdependent, unmeasurable and strictly local factors involved. Just because Tallinn has become one of Europe’s digital capitals in one generation of trying, doesn’t mean that Bucharest, Johannesburg or Montevideo can do the same. As one study <http://www.cpb.nl/sites/default/files/publicaties/download/cpb-discussion-paper-313-macroeconomic-analysis-returns-public-r-and-d-investments.pdf> put it, by the **Dutch Bureau for Economic Policy Analysis**: “Our findings suggest that spending on public R&D does not yield an automatic return. The return seems to be dependent on the national context, in which institutions and government policies play an important role.”

So what are those institutions and policies that matter? There is, experts say, no ‘secret sauce.’ But there are some basic cooking tips.

Tips for success?

First tip is that the quality of science and education in a country matters a great deal. Those countries with highly ranked, prize-winning universities and labs tend to have more economic activity in technology; the UK, Sweden, Denmark, Finland, the Netherlands, Belgium and Germany always top international rankings. Another tip is that a substantial public investment in basic research is vital – but there isn’t any hard evidence about how much is enough.

A third tip is that openness – in science, markets and society – often seems to go with productive tech sectors (though not always, as China’s rise suggests.) And a related point: the quality and size of innovation networks – linking big and small companies, universities and labs, government agencies and citizens – matters greatly.

But the most important tip comes back to politics. “Politics are the *sine qua non* for successful explanations of national innovation rates,” argues one American researcher, Mark Zachary Taylor, in a recent book <https://global.oup.com/academic/product/the-politics-of-innovation-9780190464134?cc=be&lang=en&>. Those countries concerned about their place in the world, and willing to invest in improving it, eventually do better.

Agrees Demiddeleer, now a technology consultant: Public R&D investment is a form of “insurance on the future. Do you want to master this future, or not? If not, OK, leave it to the Chinese.”

Europe’s top contribution to science? The first votes are in... (31 August 2017)

Source: Website SCIENCE|BUSINESS <http://sciencebusiness.net/europes-top-contribution-science-first-votes-are>

Online survey names gene research as EU’s biggest breakthrough

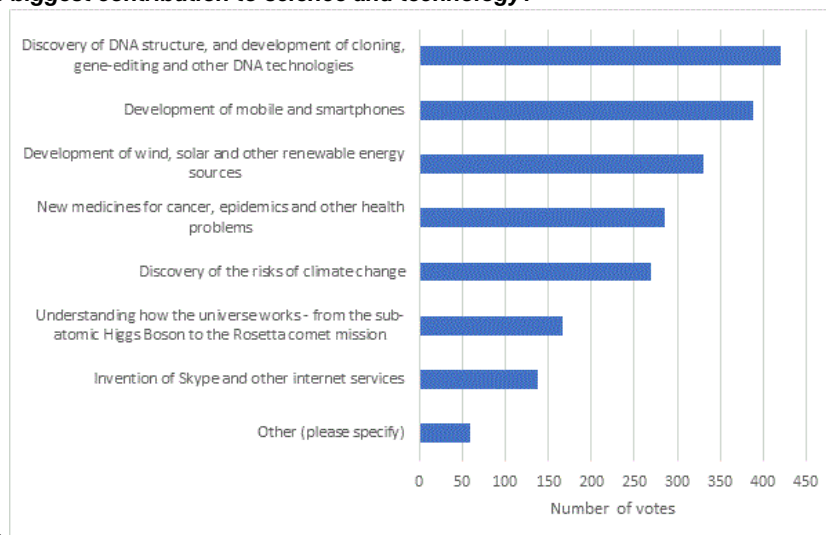
By any measure, Europe is a scientific powerhouse – but what has it done for us lately?

The answer, according to an online survey: unlocking the secrets of DNA. That work, from Cambridge just after the war to Berlin in the past decade, scored highest among people asked to name Europe’s biggest global ‘hit’.

As part of a collaboration with the Estonian Presidency of the Council of the European Union, Science|Business has been asking online readers what they think are the biggest contributions of Europe to science and technology. The survey – which you can [still take](#) – lists seven possible answers, from DNA to the Higgs Boson, and invites write-ins. Though not statistically significant, it gives an idea of what a science-literate audience thinks, with more than 1,000 responses since it began in July.

Here are the answers.

What do you think is Europe’s biggest contribution to science and technology?



(Online results, as of 20 August)

1. DNA - The building blocks of life (420 votes)

Swiss chemist Freidrich Miescher was the first to discover the substance we now know as DNA. In 1869, whilst working at the University of Tübingen, Miescher was trying to identify the composition of white blood cells by examining pus on old bandages when he managed to isolate “nuclein”, essentially DNA with some attached proteins, from the cell membranes. Nearly 100 years later English scientist Rosalind Franklin took up a role at King’s College London where her expertise in X-ray diffraction led to the production of Photo 51 and other images which demonstrated that DNA has a double-helix structure. The double-helix was at that time also being modelled by University of Cambridge scientists James Watson and Francis Crick who, along with Maurice Wilkins, a pioneer of the X-ray diffraction techniques used at King’s, were later awarded the Nobel Prize for Chemistry for their work.

The discovery of the double helix triggered rapid development that continues to this day. DNA fingerprinting, developed by Alec Jefferies and his team at the University of Leicester in the mid 1980s, allows us to uniquely identify people through the patterns in their DNA. But it doesn’t stop there. Being able to manipulate the features of our DNA could be the holy grail for medical research and is already being trialled as a treatment for HIV, leukaemia, and genetic conditions such as muscular dystrophy or haemophilia.

This is where CRISPR comes in. Developed by French scientist Emmanuelle Charpentier whilst working in Sweden and Germany, CRISPR (Clustered Regularly Interspaced Short Palindromic Repeats) has recently hit the headlines for its potential to allow us to edit genomes using the same healing mechanisms that cells already use.

Of course, none of this is solely European. Watson, after all, was an American working at Cambridge. The US government’s Human Genome Project in the 1990s was the first to decode the entire human gene code. And a rival US team is contesting CRISPR’s ownership in court. But by most measures, the European contribution to genetic research has been at least equal to the American – and, according to our survey, tops other European scientific achievements.

2. Development of mobile and smartphones (388 votes)

We all know we’d be lost without our mobile phones - quite literally, given that Smartphones are now the most common way for people to find their way around. While mobile phones began in the military, the first large-scale civilian system started in Scandinavia in the late 1970s.. And, with a big push from the European Union, the subsequent GSM system became the dominant mobile phone standard around the world. Of course, the market has moved on, with former Nordic mobile giants Nokia and Ericsson much-diminished in a world dominated by Asian manufacturers. But there’s one consolation: The microchips inside 80% of all mobile phones today are designed in Britain, by ARM Holdings (since 2016, owned by Japan’s Softbank.)

3. Development of wind, solar and other renewable energy sources (330 votes)

Europeans are not just pushing forward the development of renewable energy sources, but applying them too. In 2016 almost 90% of Europe’s new power was generated by renewables, and more recently the Netherlands announced that its electric trains are 100% powered by wind energy.

4. New medicines for cancer, epidemics and other health problems (286 votes)

Many of the best healthcare systems in the world are in Europe, according to the World Health Organisation, and these are invaluablely placed to deploy the new treatments being developed every day by European researchers, such as CCT245737, a drug that can overcome tumour resistance to chemotherapy from The Institute of Cancer Research, London, or the use of 3D printers to create new jaw-bones for patients by tech company Emerging Implant Technologies in Germany. Europe’s DNA research drives much of this – but there have been many other technological achievements, such as the development of monoclonal antibodies at Cambridge in the 1970s.

5. Discovery of the risks of climate change (270 votes)

Reminding us all that evidence matters, our poll showed that there are still those out there who know the importance of heeding the data. European scientists continue to champion reason in this debate. For instance, Belgian scientist Jean-Pascal van Ypersele from the Université Catholique de Louvain supports policymaking at the highest level through his work into climate change, advising the IPCC (Intergovernmental Panel for Climate Change) and contributing to the UN’s Global Sustainable Development Report. And the large army of European researchers now studying climate give vital support to policy makers intent on implementing the 2015 Paris Accord on climate change (with or without US help.)

The best of the rest

There were many other answers: 166 voted for “*understanding the universe*” with the Higgs Boson and related work. Another 137 picked “*the invention of Skype and other Internet services.*”

But there are other ways impact can be felt in science and technology; and a popular write-in comment was to recognise the importance of European work on supporting gender equality in science and the improvements this enables for research. Others suggested European contributions to human rights, the welfare state, economics and business.

What do you think? It’s not too late to vote <https://www.surveymonkey.com/r/T2QTBHL> .

Ten cities enter the final round of the 2017 European Capital of Innovation contest (31 August 2017)

Source: Website EC News alert http://ec.europa.eu/research/index.cfm?pg=newsalert&year=2017&na=na-290817&pk_campaign=whatsnew_newsletter

Ten cities using the most innovative ideas to improve quality of life and to involve citizens in community life have reached the final stage of the European Capital of Innovation Award 2017 <https://ec.europa.eu/research/prizes/icapital/index.cfm> .

Carlos Moedas, Commissioner for Research, Science and Innovation, said: "Every new edition of the European Capital of Innovation showcases more inspiring and innovative ideas from across Europe. The tough competition this year proved how vibrant our local innovation ecosystems are. The journey so far has been very exciting, and the best is yet to come. I am looking forward to announcing the winners in November and further cooperating with them."

The finalists are:

- **Aarhus (DK)** – for giving citizens more responsibilities in creating social welfare and creating physical labs for innovation.
- **Berlin (DE)** – for its shared approach to governance, allowing the city boroughs to experiment in several domains, from social innovation to logistics and green supply chains.
- **Copenhagen (DK)** – for its "Transformative Living Lab" approach, which encourages citizens and entrepreneurs to take part in a network of experimental laboratories.
- **Helsinki (FI)** – for its world-class education and IT culture that fosters innovative collaborations among citizens and institutions to jointly tackle urban challenges such as air quality, maritime technology and health-tech.
- **Nice (FR)** – for its Smart City strategy that offers citizens to engage via the city Innovation Centre in decisions on climate change, healthy ageing, environmental risk and security innovation.
- **Paris (FR)** – for its mission to turn into a "FabCity" hosting the largest start-up campus in the world, which encourages innovative projects by citizens and entrepreneurs.
- **Tallinn (EE)** – for becoming a model of a true "eCity" by digitalising all the city services.
- **Tampere (FI)** – for its "Grow.Smart.Together" urban development program, where citizens, universities and businesses are involved in creating smart urban solutions fostering new jobs in the city.
- **Tel Aviv (IL)** – for its impressive hi-tech sector programmes and city policies, leading to the highest concentration of accelerator programs in Europe.
- **Toulouse (FR)** – for its Open Metropolis strategy, a participatory governance model allowing citizens and business organisations to co-design major urban local initiatives.

The European Capital of Innovation 2017 award and a prize of €1 million to scale up innovation activities will go to the city presenting the best innovation ecosystem, with two runners-up to receive a prize of €100 000 each. The winners will be announced on 7 November at the Lisbon Web Summit <https://websummit.com/>.

The winning city must prove how they improved the quality of life in the locality by **experimenting** with innovative concepts, processes, tools, and governance models as a test-bed for innovation, **engaging** citizens in the innovation process and ensuring the uptake of their ideas, **expanding** the city's attractiveness to become a role model for other cities and **empowering** the local ecosystem through the implementation of innovative practices.

Background:

The 2017 European Capital of Innovation award was launched in March 2017. Thirty two eligible cities from 17 countries applied to this year's competition to succeed Barcelona and Amsterdam, winners of the 2014 and 2016 European Capital of Innovation awards. The contest was open to cities with over 100 000 inhabitants from EU Member States and countries associated to Horizon 2020 http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/3cpart/h2020-hi-list-ac_en.pdf the EU research and innovation programme.

New Knowledge Centre will provide scientific evidence on bioeconomy (31 August 2017)

Source: JRC Newsletter update - 31/08/2017

A new Bioeconomy Knowledge Centre <https://connected.cnect.cec.eu.int/external-link.jsp?url=https%3A%2F%2Fbiobs.jrc.ec.europa.eu%2F> has been created by the JRC and DG RTD to better support policy makers with science-based evidence in this field.

Launched by the European Commission on 20 July, this online platform will not primarily generate knowledge, but will collect, structure and provide access to knowledge from a wide range of scientific sources on bioeconomy, the sustainable production of renewable biological resources and their conversion into valuable products.

Tibor Navracsics, Commissioner for Education, Culture, Youth and Sport, responsible for the Joint Research Centre, said: "The Bioeconomy Knowledge Centre builds on the Joint Research Centre's expertise in knowledge management, offering policy makers relevant information in a timely manner and a format that is easy to use. It is the fourth Knowledge Centre launched by the Commission in the last two years, after the ones on migration and demography, territorial policies and disaster risk management, and another important step in further strengthening the sound evidence base we need to tackle the societal challenges facing the EU."

Carlos Moedas, Commissioner for Research, Science and Innovation, added: "The launch of the Bioeconomy Knowledge Centre marks an important step in bringing the different policy areas of the bioeconomy closer together. In order to face global and geopolitical challenges, a coherent strategy needs an excellent knowledge hub, in particular to address questions cutting across the policy areas of the bioeconomy family."

Bioeconomy represents a significant part of the EU economy, with potential for growth through innovation in agriculture, forestry, bioenergy and biomass but also in chemicals, materials, waste management and others.

The Bioeconomy Knowledge Centre will support the European Commission in the review of the 2012 Bioeconomy Strategy

[https://connected.cnect.cec.eu.int/external-](https://connected.cnect.cec.eu.int/external-link.jspa?url=http%3A%2F%2Fec.europa.eu%2Fresearch%2Fbioeconomy%2Fpdf%2Fofficial-strategy_en.pdf)

[link.jspa?url=http%3A%2F%2Fec.europa.eu%2Fresearch%2Fbioeconomy%2Fpdf%2Fofficial-strategy_en.pdf](https://connected.cnect.cec.eu.int/external-link.jspa?url=http%3A%2F%2Fec.europa.eu%2Fresearch%2Fbioeconomy%2Fpdf%2Fofficial-strategy_en.pdf) , taking into account new political and policy developments, such as the COP21 Paris agreement, the United Nations' Sustainable Development Goals and the Circular Economy Package https://connected.cnect.cec.eu.int/external-link.jspa?url=http%3A%2F%2Fec.europa.eu%2Frapid%2Fpress-release_IP-15-6203_en.htm.

National R& D and innovation policy news

“Nederland is koploper in agrarische innovatie” (7 september 2017)

Bron: AWTI e-mail alert 7 september 2017

“In Nederland krijgt de toekomst van duurzame landbouw vorm.” Een artikel van National Geographic laat zien welke grote veranderingen gaande zijn in de Nederlandse land- en tuinbouw. Het constateert dat ons land voorloopt op de internationale concurrenten, **vooral dankzij de ondernemende boeren en tuinders en het onderzoek van Wageningen University & Research (WUR).**

Artikel National Geographic: <http://www.nationalgeographic.com/magazine/2017/09/holland-agriculture-sustainable-farming/>

Nederlandse universiteiten opnieuw hooggeplaatst in Times-ranking (5 september 2017)

Bron: Website VSNU Nieuws http://www.vsnunl.nl/nl_NL/nieuwsbericht/nieuwsbericht/310-nederlandse-universiteiten-opnieuw-hooggeplaatst-in-times-ranking.html

Vandaag wordt de toonaangevende Times Higher Education World University Ranking gepresenteerd. In deze ranking staan de Nederlandse universiteiten, net als in voorgaande jaren, op goede posities. Zij staan in de top 200 van de wereldwijde ranglijst. VSNU-voorzitter Karl Dittrich: “**Dat wij ook dit jaar met 13 universiteiten aan de top staan, is een geweldige prestatie. Net zoals bij elke topprestatie, is dat alleen mogelijk met grote inzet en toewijding. Als we ons hoge niveau willen handhaven, zijn echter meer investeringen noodzakelijk.**”

Nederlandse positie sterk, ondanks krappe financiering

De Nederlandse universiteiten doen het bijzonder goed, zeker wanneer dit afgezet wordt tegen de investeringen die in ons onderzoek en onderwijs worden gedaan. Netto stijgen de Nederlandse universiteiten zelfs meer plekken dan dat er dalingen te zien zijn. Behoud van deze topositie is slechts mogelijk met hard werken, aan onderwijs en onderzoek van wereldklasse, en constante vernieuwing.

Een sterke positie in de rankings heeft invloed op de internationale aantrekkelijkheid van universiteiten. Een goede ranking hangt sterk samen met excellente onderzoeks- en onderwijsprestaties en daarvoor zijn investeringen noodzakelijk. Uit deze nieuwe THE-ranking wordt duidelijk dat een aantal landen in Azië, waar die investeringen worden gedaan, flinke stijgingen realiseren. Dittrich: “*Universiteiten in Nederland presteren goed, in weerwil van de relatief teruglopende financiering. Maar andere landen zijn sterk in opkomst. De VSNU roept een nieuw kabinet met het oog op de Nederlandse positie op om te investeren in onderzoek en onderwijs.*”

Posities Nederlandse universiteiten in THE World University Ranking 2017-2018

Rank 2017-2018	Universiteit
59	Universiteit van Amsterdam
63	Technische Universiteit Delft
64	Wageningen University & Research
67	Universiteit Leiden
68	Universiteit Utrecht
72	Erasmus Universiteit Rotterdam
83	Rijksuniversiteit Groningen
103	Maastricht University
122	Radboud Universiteit
141	Technische Universiteit Eindhoven
165	Vrije Universiteit Amsterdam
179	Universiteit Twente
195	Tilburg University

De volledige lijst van de Times Higher Education World University Ranking vindt u hier <https://www.timeshighereducation.com/news/world-university-rankings-2018-results-announced> .

Rankings geven beperkt maar relevant beeld

Rankings kunnen nooit een volledig beeld geven van de prestaties van universiteiten. Onderwijskwaliteit wordt bijvoorbeeld vaak maar beperkt meegewogen en rankings zijn per definitie een weergave van relatieve scores. Ook is dit jaar relevant dat THE een methodologische verandering heeft doorgevoerd, door artikelen met meer dan 1000 auteurs nu weer te betrekken in de analyses. Dit is relatief nadelig voor instellingen zonder bètafaculteit. Ondanks deze kanttekeningen worden rankings, en dan met name die van THE, internationaal serieus genomen en geven ze een waardevolle indicatie van de positie van universiteiten ten opzichte van elkaar en voorgaande jaren en de positie van Nederland in de wereld.

Financiering universiteiten blijft achter bij aantallen afgestudeerde bachelors en masters (4 september 2017)

Bron: Financieele dagblad 4 september 2017

De kloof tussen het aantal afgestudeerden aan de Nederlandse universiteiten en het geld dat deze onderwijsinstellingen van het Rijk ontvangen, wordt steeds wijder. Terwijl er in 2016 33% meer bachelors en 29% meer masters aan de dertien universiteiten afgestudeerden dan in 2009, steeg de rijksbijdrage in diezelfde periode met slechts 13%, inclusief inflatie.

Het Rathenau Instituut grijpt de opening van het academisch jaar aan om aandacht te vragen voor de achterblijvende overheidsfinanciering van het universitair onderwijs als die wordt afgezet tegen de gestaag groeiende aantallen bachelors en masters die de universiteiten afleveren. Het Rathenau Instituut stimuleert de publieke en politieke meningsvorming over wetenschap en technologie te bevorderen. Het academisch jaar 2017-2018 gaat deze maandag officieel van start.

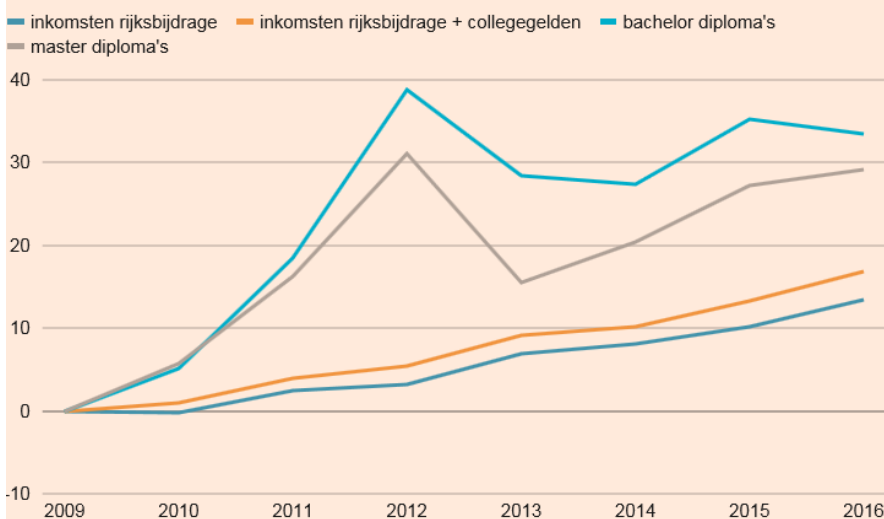
Onevenwichtigheid

Het aantal studenten dat een bachelordiploma behaalde aan een Nederlandse universiteit is gestegen van 26.348 in 2009 naar 35.162 in 2016. Het aantal masters is toegenomen van 32.538 naar 42.027. In dezelfde periode is de rijksbijdrage voor de universiteiten opgelopen van €3,30 mrd naar €3,75 mrd. Naast deze bijdrage ontvangen de universiteiten collegegeld van studenten voor de bekostiging van het onderwijs.

De onevenwichtigheid in de stijging van het aantal diploma's en de toename van de rijksbijdrage is het grootst bij de vier technische universiteiten (zie grafieken). De technische universiteiten hebben dit jaar gewaarschuwd dat deze scheefgroei ertoe kan leiden dat zij voor enkele studies studentenstops moeten instellen. Tekorten aan staf en practicumfaciliteiten nopen daartoe, aldus de technische onderwijsinstellingen.

Inkomsten en prestaties bij de Nederlandse universiteiten

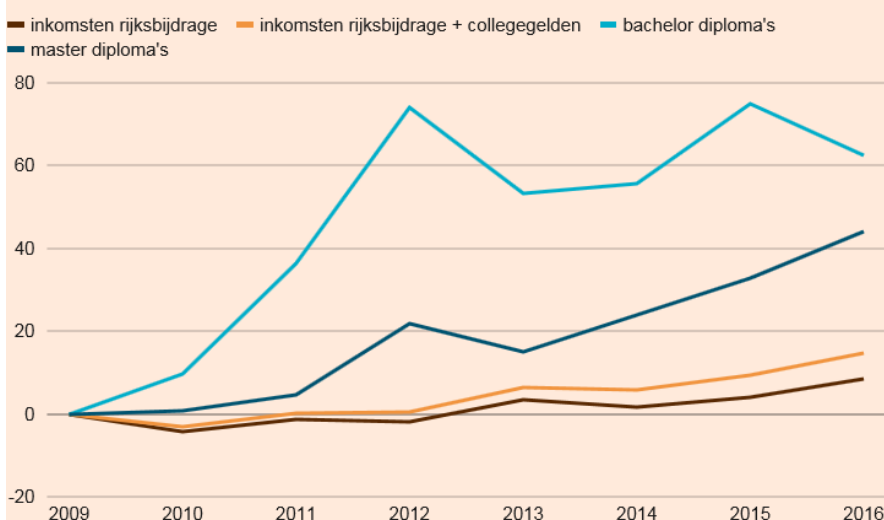
Geïndexeerd: 2009=0



Door: FD.nl

Inkomsten en prestaties bij de Nederlandse TU's

Geïndexeerd: 2009=0



Door: FD.nl

Buitenlandse studenten

Volgens het Rathenau Instituut leveren de universiteiten flink meer prestaties, terwijl de overheidsfinanciering nauwelijks toeneemt. Door het huidige financieringssysteem concurreren universiteiten op groei in het aantal studenten. Universiteiten halen steeds meer studenten uit het buitenland. Tussen 2009 en 2016 is het aantal buitenlandse studenten verdubbeld naar 40.000. Driekwart hiervan is afkomstig uit de Europese Economische Ruimte (EER) en komt in aanmerking voor bekostiging. Daarnaast groeit het aandeel jongeren dat wetenschappelijk onderwijs volgt, nog steeds. Vorig jaar waren drie op de tien Nederlanders tussen de 15 en 75 jaar hoogopgeleid (wo en hbo).

Vraagtekens

Het Rathenau Instituut zet vraagtekens bij het bestaande financieringsmodel. Want niet alleen de technische universiteiten lopen uit de pas met de algemene universiteiten. Ook heeft het instituut verschillen gevonden tussen afzonderlijke universiteiten waar de relatie tussen bekostiging en prestatie niet is terug te zien.

Zo leverde de Universiteit Utrecht in de onderzochte periode nauwelijks meer masters af en nam het aantal bachelordiploma's toe met het gemiddelde van alle universiteiten. De rijksbijdrage ging met 9,5% omhoog. Hiertegenover stonden universiteiten die hun inkomsten nauwelijks zagen stijgen terwijl de groei van zowel het aantal bachelors als masters boven de 40% lag. De grootste discrepantie trof het Rathenau Instituut aan bij de Universiteit Maastricht. Een toename van de bachelordiploma's met 106% en de masterdiploma's met 67% ging daar gepaard met een slechts 19% hogere rijksbijdrage.

Kwaliteit

'In plaats van praten over studentenstops, zouden we het debat moeten voeren over de kwaliteit van het universitaire onderwijs en moeten bedenken welk systeem daar het beste bij past', concludeert directeur Melanie Peters van het Rathenau Instituut.

Versterking van onmisbare schakel nodig (1 september 2017)

Bron: Website TO2 federatie <http://www.to2-federatie.nl/nl/to2federatie/show/Versterking-van-onmisbare-schakel-nodig.htm>

De Toegepast onderzoek organisaties (TO2) herkennen zich in de conclusies van het vandaag verschenen rapport 'Onmisbare schakels' van de Adviesraad voor wetenschap, technologie en innovatie (AWTI). Het AWTI rapport pleit onder andere voor een extra investering in de kennisbasis en de faciliteiten van de TO2 organisaties, die het grootste deel vormen van de onderzochte Publieke Kennisorganisaties. Ook pleit de AWTI voor een forse impuls in 'missiegedreven onderzoeks- en innovatieconsortia'.

"Toegepast onderzoek is een onmisbare schakel in de kennisketen. Als kennis blijft hangen en niet wordt vertaald naar toepassingen voor bedrijven en maatschappij, dan benutten we onze kracht onvoldoende", aldus Maarten Smits, voorzitter TO2 Federatie. In het rapport van de AWTI wordt gepleit voor meer focus en duidelijke keuzes: bepaal de terreinen waarop Nederland van mondiaal topniveau kan zijn en investeer daar in het bijzonder in.

De TO2 instellingen zullen de aanbevelingen van AWTI gaan oppakken. Ze zijn in lijn met de aanbevelingen van de Commissie Schaaf die in maart dit jaar een inhoudelijke evaluatie naar TO2 uitvoerde. Deze aanbevelingen zijn al opgepakt in het TO2 Strategisch Kader 2018-2021 dat op 29 maart werd gepubliceerd. Daarin geven de samenwerkende toegepaste onderzoeksorganisaties aan in te zetten op versterkte samenwerking, zowel onderling als in consortia met bedrijven en andere kennisinstellingen. Zowel de commissie Schaaf als de AWTI geven aan dat hiervoor geen wijziging van het onderzoekstelsel nodig is.

De TO2 instellingen gaan graag met de overheid het gesprek aan over keuzes en de profilering op de gewenste kerncompetenties, waarbij de inhoudelijke verbindingen met het bedrijfsleven ook worden meegenomen. "We nemen deze aanbeveling ter harte en gaan in onze onderzoeksprogrammering meer focus aanbrengen. Dat doen we samen met de overheid, onze opdrachtgevers en partners om zowel de maatschappelijke als economische impact van ons onderzoek verder te vergroten", aldus Smits.

De TO2 instellingen gaan ervan uit dat het nieuwe kabinet de aanbevelingen van de AWTI ter harte zal nemen en staan klaar om in het belang van Nederland hun rol en taak te versterken. **De TO2 organisaties zijn: Deltares, ECN, MARIN, NLR, TNO en Wageningen Research.**

Global innovation news

Overheden moeten investeringen en innovatie in hernieuwbare energie mobiliseren (7 september 2017)

Bron: AWTI e-mail alert 7 september 2017

Het mobiliseren van investeringen en innovatie in koolstofarme technologieën, met name op het gebied van hernieuwbare energie, is cruciaal voor het kunnen halen van de internationale klimaatafspraken. Volgens de OESO is hiervoor niet alleen klimaatbeleid vereist, bijvoorbeeld in de vorm van CO₂-beprijzing, maar ook meer aandacht voor verbetering van het investeringsklimaat. Onderzoek in opdracht van het Amerikaanse ministerie van Energie (DOE) schat dat aanhoudende investeringen in r&d tegen 2030 van windenergie op land een van de goedkoopste energiebronnen zouden kunnen maken. Onderzoekers van Stanford University hebben een roadmap gemaakt voor 139 landen om in 2050 volledig te zijn overgeschakeld op duurzame energie.

Artikel OESO (pdf): <http://www.oecd.org/cgfi/the-government-role-in-enabling-investment-and-innovation-in-renewable-energy.pdf>

Nieuwsbericht Windpower Monthly: <http://www.windpowermonthly.com/article/1443166/cost-wind-halved-2030-report-suggests>

Rapport DOE (pdf): <https://www.nrel.gov/docs/fy17osti/68123.pdf>

Nieuwsbericht Innovators Magazine: <https://www.innovatorsmag.com/renewables-dream-can-be-realised/>

Rapport Stanford University (pdf): <http://web.stanford.edu/group/efmh/jacobson/Articles/I/CountriesWWS.pdf>

Wageningen University & Research related Events

Events

2017 EIP Water Conference themes announced, Porto 27-28 September 2017

Join us and some 600-700 delegates in Porto on September 27-28 to learn about, debate, question, strategise and resolve the 6 key conference themes:

1. *Water and the Circular Economy – Closing the loops*
2. *The Water Business – Markets, Opportunities and Employment*
3. *Developing Water Innovation – How R&D centres, innovation hubs and accelerators help solve European water sector challenges*
4. *Innovations for implementing EU water legislation*
5. *Financing Innovation in Water Sector*
6. *Social Engagement, Driving Innovation and Governance – towards a market-driven approach*

The 4th EIP Water Conference will include, on the afternoon of 27th September, an exciting startup pitch competition, the Splash Innovation Stage, where startups can present their innovative solutions to issues faced by water utilities and industrial and agriculture end-user companies for a chance to win up to €12.000! A call is now open for this competition.

To boost the connection between end-users and solution providers, the organisation has provided a Pool of Needs that is open to the public to gather suggestions of issues faced in the water sector. Therefore, if you are a water utility or an end-user company that is somehow connected to the water sector or need water in production processes, you are invited to share until 14th May any water-related challenges and needs you may be facing. Hopefully, a bright and successful startup will provide an innovative solution to the problem and apply to the Splash competition. Then you can eventually meet them at the competition itself, or at the Conference, the extensive Exhibition, the WaterMatch matchmaking sessions, the TechTalks, the technical site visits of Porto's most innovative water facilities and the several networking receptions. More info coming at <http://portowaterinnovationweek.eu/>

We look forward to hearing from and receiving your contributions for the Pool of Needs until 14th May! Should you have any questions regarding this matter or require additional information, please contact the organisation at info@portowaterinnovationweek.eu or on +351 225 190 805 / 825.

A more detailed agenda and the first speakers will be announced in the coming weeks.

read more: <http://europa.us6.list-manage.com/track/click?u=55b2cc2102daad86f327941d4&id=d0a2e42e05&e=13b4e5f987>

6th European Conference on Corporate R&D and Innovation CONCORDi 2017, Seville, Spain, 27-29 September 2017

CONCORDi 2017 is the bi-annual European Conference on Corporate R&D and Innovation.

Organised by the Joint Research Centre in association with the OECD, CONCORDi 2017 aims to identify the research, business and policy challenges in this area for the decade to come, and to provide guidance to the EU industrial research and innovation policy agenda.

More information and registration: <http://iri.jrc.ec.europa.eu/concord/2017/index.html>

NEW: CommBeBiz-communication workshop during the European Biotech Week 2017, Brussels 27 September

How to spread the word about bioeconomy? 27 September 2017, European Forestry House, Place du Luxembourg 66, 1000 Brussels

The communication workshop on bioeconomy is organised by "CommBeBiz" project funded by the European Commission, Horizon 2020, KBBE Programme and co-ordinated by **Minerva Communications UK Ltd.**

CommBeBiz provides a bridge from bioeconomy research to business, and for social innovation.

CommBeBiz works with FP7 and H2020 project partners at all stages of their ideas and research development to enable more effective and speedier transfer of knowledge to the marketplace, to policy-players and for the public good.

CommBeBiz targets five specialist bioeconomy segments: Food, Agriculture, Fisheries, Forestry, and Biotechnology.

Since a badge for the European Parliament is required, the registration must be done before the 19. September

Further information

- **Agenda and registration:**

http://commbebiz.eu/?post=3017&utm_content=bufferd02f9&utm_medium=social&utm_source=twitter.com&utm_campaign=buffer

Modern Biotechnologies in Agriculture – Paving the way for responsible innovation, Brussels, 28 September 2017

The European Commission is organising a high-level conference on "Modern Biotechnologies in Agriculture – Paving the way for responsible innovation". This one-day conference will take place in the Charlemagne Building, Rue de la Loi 170, Brussels, Belgium, on Thursday 28 September 2017 from 9.30 to 18.00. HLG member Janusz Bujnicki will be a keynote speaker and will discuss the SAM HLG explanatory note ([link](#)) on New Techniques in Agricultural Biotechnology.

Further information

- **Conference website:** http://ec.europa.eu/dgs/health_food-safety/events/20170928_modern_biotech.htm

GreenTech Week 2017 komt eraan! Making green business, Oost-Nederland 7-13 oktober 2017

Van zaterdag 7 tot en met vrijdag 13 oktober 2017 vindt in Oost-Nederland voor de vierde keer de GreenTech Week plaats. Verschillende bedrijven en instellingen organiseren tijdens deze week activiteiten gericht op innovatieve en duurzame technieken; van congressen en lunchsessies tot inspiratiebijeenkomsten en workshops. Evenementen organiseren tijdens de GreenTech Week biedt organisaties de mogelijkheid zichzelf te laten zien en nieuwe zakenpartners te vinden.

Om de duurzaamheid verder te professionaliseren, bundelen organisaties in Oost-Nederland tijdens de GreenTech Week al hun GreenTech evenementen. Ze laten elkaar zien waar ze mee bezig zijn en ervaren zo hoe bijzonder de GreenTech wereld is. Door juist met elkaar in deze week op te trekken, vergroten ze de kans op het ontstaan van nieuwe contacten of samenwerkingen en op het uitwisselen van kennis met iedereen die actief is binnen energietransitie, energietechnologie en biobased of circulaire economie.

Samenwerken in de GreenTech Week

De GreenTech Week is in het leven geroepen om bedrijven en organisaties in het huidige veranderende tijdperk te stimuleren om van richting te veranderen: door de technologische vooruitgang van meer groene groei. Doel is om ondernemers, overheid en kennisinstellingen te ondersteunen bij het opzetten van duurzame projecten en nieuwe businessmodellen om groener te produceren, in te kopen, financieren en organiseren. Samenwerking en kennisuitwisseling tussen bedrijven, kennisinstellingen en overheden zijn tijdens deze week dan ook de sleutel tot succes.

Initiatiefnemers

De GreenTech Week is een initiatief van: Stichting Kiemt, VNO-NCW Midden, Rijksdienst voor Ondernemend Nederland, Hogeschool van Arnhem en Nijmegen en Wageningen University and Research. Daarnaast haken diverse partijen in de regio aan als sponsor of partner.

Organiseert u als Gelderse, groene organisatie een evenement of activiteit dat past binnen het GreenTech Week concept? Meld het evenement of de activiteit dan nu aan op www.greentechweek.nl/meedoen

Om het persbericht te downloaden, klik hier <http://www.greentechweek.nl/wp-content/uploads/2017/06/Persbericht-Aankondiging-GreenTech-Week-2017.pdf>

AGRO-INNOVATION SUMMIT in Lisbon 11-12 October 2017

The 1st edition of the Agri Innovation Summit, a European event to foster innovation and digitisation in agriculture and rural areas, will be held in Lisbon, Portugal, in October 2017. This is a joint initiative of a Portuguese consortium, the Portuguese Government, the EIP-Agri network and the European Network for Rural Development. The news was given by the Portuguese Minister of Agriculture, Forestry and Rural Development, Capoulas Santos

The AIS 2017 <http://www.aislisbon2017.com/> is a joint initiative of a Portuguese Consortium, the Portuguese Government, the EIP-AGRI network and the European Network for Rural Development.

It will gather more than 500 farmers, rural businesses, start-ups, RDP managing authorities, national rural networks, researchers, advisors and NGOs throughout the EU with the aim of:

- Promoting cross fertilization between multi-actor innovation initiatives, both under Rural Development Programmes and Horizon 2020
- Raising awareness about innovation and digitisation opportunities for agriculture and rural economies and how these may be supported under on-going Rural Development Programmes

- Providing input for EU innovation policies for agriculture and rural areas after 2020, following-up on Point 7 of the Cork 2.0 Declaration

Speakers

- Carlos Moedas, Commissioner Research, Science and Innovation
- Phil Hogan, Commissioner Agriculture and Rural Development
- Luís Capoulas Santos, Portuguese Minister Agriculture, Forestry and Rural Development
- Henrique Leitão, FC/UL
- Elvira Fortunato, FCT/UNL

For more information: <http://www.aislisbon2017.com/>

Harnessing Research and Innovation for FOOD 2030: A Science Policy Dialogue, Brussels 16 October 2017

This one day conference, 16 October 2017, Brussels, EU Commission, CHARLEMAGNE building, will serve to disseminate successful European Research and Innovation (R&I) initiatives and contribute to the ongoing science-policy dialogue in the area of Nutrition and Security (FNS).

The conference will provide a stakeholder platform for a science policy dialogues to assess the current state of European research, innovation and investment, and explore future needs relevant to:

- Sustainable and healthy nutrition;
- climate-resilience and environmental sustainability;
- circularity and resource efficiency; and
- food system innovation and empowerment of communities.

The conference is free of charge and will be open to researchers, policy makers, funders and investors, policy makers and public authorities, industry, entrepreneurs, students and civil society representatives.

The conference builds on the successful FOOD2030 High Level Event of October 2016 and will act as an important milestone in the preparation of the second High Level Event to be held under the Bulgarian Presidency in the first half of 2018.

Further information

- More information soon on the Bioeconomy Website: <http://ec.europa.eu/research/bioeconomy/index.cfm>
- FOOD 2030 2016 High Level Conference: <http://ec.europa.eu/research/conferences/2016/food2030/index.cfm?pg=presentations>

Related documentation

- Draft Concept and Agenda: https://europa.eu/sinapse/webservices/dsp_export_attachement.cfm?CMTY_ID=0C46BEEC-C689-9F80-54C7DD45358D29FB&OBJECT_ID=0D9DC203-9DED-C5CA-16800D19939A0484&DOC_ID=148C595A-B3A4-4FB7-11E68477A6945711&type=CMTY_CAL

NEW: Infomiddag Nanotechnologies, Advanced Materials, Biotechnology, Advanced Manufacturing and Processing (NMBP), 1 november 2017

Rijksdienst voor Ondernemend Nederland organiseert op 1 november 2017 een informatiemiddag over het nieuwe werkprogramma Horizon 2020 NMBP 2018-2020.

Concept programma

14:00-14:30 uur: Inloop en registratie
 14:30-15:00 uur: Welkom en Introductie op het Horizon 2020 NMBP werkprogramma
 15:30-16:00 uur: Succesverhaal Horizon 2020 NMBP
 16:00-16:30 uur: Hoe kan RVO/ National Contact Point u helpen?
 16:30-17:00 uur: Q&A/Netwerkmogelijkheid

Deelnemen

Wilt u deelnemen aan deze infomiddag? Meldt u zich dan aan via het aanmeldformulier <https://www.rvo.nl/infomiddag-nanotechnologies-advanced-materials-biotechnology-advanced-manufacturing-and-processing-wssl> .

Voor meer informatie kunt contact opnemen met ahmet.polat@rvo.nl of hans.bosch@rvo.nl .

De deadline voor de aanmelding is 27 oktober 2017. Deelname is gratis.

Stakeholder Consultation on Food from the Oceans, Brussels 13 November 2017

The holding of this Stakeholder Consultation on Food from the Oceans on 13 November 2017 in Brussels follows the request to SAM to investigate this topic from the Commissioner for Maritime Affairs and Fisheries, Karmenu Vella, via the Commissioner for Research, Science and Innovation, Carlos Moedas.

It was taken on board by the Scientific Advice Mechanism of the European Commission (SAM) High Level Group (HLG). The scientific evidence project is supported by the Science Advice for Policy European Academies (SAPEA) Consortium financed through the Horizon 2020 grant 737432.

A scoping paper was prepared by DG MARE (lead), DG ENV and DG RTD in September 2016. A final version was approved on 2nd December 2016. The scientific advice in the form of an Opinion Report is planned for delivery by the end of November 2017. After having already consulted scientific experts on 14 September 2017, the HLG will present draft findings and observations to stakeholders and gather reactions, while encouraging a fruitful and informative exchange of views.

Further information

- Want to know more about the FFO topic? click here <http://ec.europa.eu/research/sam/index.cfm?pg=oceanfood>

Infoweek on H2020 Societal Challenge 2, Brussels 14-17 November 2017

The Research Executive Agency (REA), the Directorate-General for Research and Innovation (DG RTD) and the Directorate-General for Agriculture and Rural Development (DG AGRI) of the European Commission are co-organising an Info Week on Horizon 2020 Societal Challenge 2 <https://ec.europa.eu/programmes/horizon2020/en/h2020-section/food-security-sustainable-agriculture-and-forestry-marine-maritime-and-inland-water> (SC2) "*Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy*". The event will take place in Brussels on 14-17 November 2017.

The usual SC2 Info Day on the new SC2 Work Programme for 2018-2020 and a related brokerage day will be complemented by two high level dissemination and policy events and a bioeconomy village highlighting SC2 projects and initiatives.

H2020 SC2 Info day – 14 November

This event targets potential applicants to the calls for proposals under the H2020 SC2.

H2020 SC2 Brokerage event – 15 November

Following the Info Day, a corresponding brokerage event will be organised by the EU-funded BioHorizon project. The purpose of the event is to support potential applicants in finding potential partners for future applications under the upcoming SC2 calls for proposals.

H2020 Bioeconomy day – 16 November

The Commission will present its review of the European Bioeconomy Strategy and Action Plan, documented as a Staff Working Document, and discuss its findings with stakeholders and policy makers. Furthermore, the European Bioeconomy Stakeholders Panel will present and discuss its Bioeconomy Manifesto, setting out a societal agenda for bioeconomy development. These discussions will reflect both on the experiences gained over the past four years with Bioeconomy Strategy and Action Plan, and on the possible need for new actions.

H2020 Digitisation day – 17 November

The Digitisation day aims at gathering representatives of the farming and agri-food sectors, digital technology providers, as well as scientists and national and regional policy makers to discuss and exchange views on different EU policy initiatives on digitisation of farming and food sectors and of research and innovation activities contributing to these areas.

H2020 Blue Growth - A parallel session will highlight achievements and projects in marine and maritime research for Blue Growth.

Bio-National Contact Points will be invited to meet on 13 November.

Compulsory registration for the events will open in September.

For more information: see the website of the European Commission <https://ec.europa.eu/programmes/horizon2020/en/news/horizon-2020-societal-challenge-2-infoweek-including-high-level-policy-events>

8th International Scientific Conference 'RURAL DEVELOPMENT 2017: Bioeconomy Challenges', Kaunas, Lithuania 23-24 November 2017

The aim of the 8th International Scientific Conference 'RURAL DEVELOPMENT 2017: Bioeconomy Challenges' is to provide scientific interdisciplinary discussion and to share new ideas for sustainable rural development in the context of Knowledge, Innovations and Social Progress.

The scope of the Conference covers four main areas: Biosystems Engineering and Environment, Agro-innovations and Food Technologies, Multifunctional Approach for Sustainable Use of Natural Resources, and Social Innovations for Rural Development.

The Conference 'Rural Development' organized biannually since 2003 is attracting to Aleksandras Stulginskis University over 300 scientists from more than 25 countries. All the peer-reviewed conference papers will have been published in open access Proceedings of the conference (online ISSN 2345-0916, print ISSN 1822-3230). Proceedings of International Scientific Conference "Rural Development" are published periodically every two years since 2003 and indexed by Thomson Reuters (Web of Science), EBSCO (Academic Search Complete).

More information and registration: <http://www.ruraldevelopment.lt/>

4th International Conference of JPI HDHL, Brussels 1 December 2017

The fourth international conference of the Joint Programming Initiative "A Healthy Diet for a Healthy Life" (JPI HDHL) will take place on Friday 1 December 2017 in Brussels, Belgium.

The conference will bring together and stimulate the dialogue between stakeholders in the area of food, nutrition and health, including policy makers, funders, scientists, health care professionals, industry and NGO's. During the conference, an overview of the achievements and future objectives of the JPI HDHL, including the running Joint Actions, will be presented.

To work towards more societal impact of nutritional science will be the main theme of the 4th JPI HDHL conference. The target audience is broad and includes not only funders and scientists, but also policy makers of health & agriculture, industry and health professionals. Communication is of high importance to increase the impact of nutritional science. Understanding the perspectives and needs of other stakeholders is a key aspect of good communication.

Further information

- **Registration until 17 November 2017** <https://jpi-hdhl-conference.b2match.io/signup> <https://jpi-hdhl-conference.b2match.io/signup>
- **JPI HDHL – webpage** <http://www.healthydietforhealthylife.eu/>
- **Agenda of the Conference** <https://jpi-hdhl-conference.b2match.io/agenda>
- **For the report of the last JPI HDHL conference that took place on 19 June 2015**, please go to the JPI HDHL website <http://www.healthydietforhealthylife.eu/index.php/hdhl-documents-2/meeting-event-documentation/third-international-conference-jpi-hdhl-19th-of-june-2015-brussels> .

Bio-based Industries Joint Undertaking (BBI JU) Stakeholder Forum 201, The Square – Brussels 7 December 2017

The Bio-based Industries Joint Undertaking (BBI JU) is organizing its first Stakeholder Forum, in The Square, Brussels, on 7 December 2017.

The BBI JU Stakeholder Forum 2017 will bring together the bio-based industries community and facilitate discussion on the strategic direction for the BBI JU programme through constructive and open dialogue with stakeholders by encouraging cross-collaboration between them.

THE PROGRAMME

BBI JU will present a comprehensive programme of inspiring keynotes, parallel sessions, networking sessions and project exhibition. By bringing projects together in one venue with other BBI JU stakeholders, it will facilitate an exchange of ideas & best practises.

WHY

The BBI JU Stakeholder Forum 2017 will gather together stakeholders from across every aspect of the bio-based economy to discuss how the BBI JU programme can further contribute to the development of bio-based industries across Europe. Our stakeholders are high-level decision makers and policy influencers, drawn from academia, C-level executives from across industry, EU government and local and national interests, among others. We will discuss how to best mobilise society at large to speed up the transformation to a bio-based economy.

WHO

We welcome industry, SMEs, academia, research organisations and policy makers, thought leaders, EU community, projects' members and bio-based industries community as a whole.

More information available here <https://www.bbi-europe.eu/events/bbi-ju-stakeholder-forum-brussels> .

3rd Plant Biology Europe conference, which takes place in Copenhagen, from 18 – 21 June 2018

You are invited for the 3rd Plant Biology Europe conference, which takes place June 18th- 21st, 2018 in Copenhagen, Denmark. Plant Biology Europe (PBE) is jointly organized by the European Plant Science Organisation (EPSO) and the Federation of European Societies of Plant Biology (FESPB) with the aim to create a European venue for the latest developments within plant biology research and technology.

Almost 1000 participants attended the PBE2016 conference in Prague and once again, PBE will gather a diverse range of speakers, presentations and technology providers that cover wide ranging scientific and policy related themes within plant science - thereby showcasing state-of-the-art scientific developments and contributions to policy shaping towards plants science at the European and national levels.

The conference is the biggest of its kind in Europe and the only one with a multidisciplinary approach to plant science in a global context.

The plenary themes of PBE2018 are:

- *Phenotyping on different scale*
- *Photosynthetic diversity/resource use efficiency*
- *New Breeding Technologies*
- *Seeds for the future*
- *Niche crops*
- *Plant Microbiome*
- *Natural Products*
- *Environmental resilience*
- *Genome evolution*
- *Science policy session focusing on 'Open Science'*

See the full scientific program and the confirmed speakers <http://tk3.sbn24.net/sy/ev?3&11405-36&3&QySSurEd5pk8DVnl2Eyj0w>

Do you want to contribute to the conference? **Deadline for abstract submission is March the 1st 2018.**

<http://tk3.sbn24.net/sy/ev?3&11405-36&4&QySSurEd5pk8DVnl2Eyj0w>

Please visit our website **to learn more about how to sign up; the scientific as well as the social program and the location**

<http://tk3.sbn24.net/sy/ev?3&11405-36&2&QySSurEd5pk8DVnl2Eyj0w> .

Courses and Workshops

Foreseen Courses EU office in 2017

Overzicht trainingen Team IRIS / RVO 2017

Training Marie Skłodowska-Curie Innovative Training Networks (ITN)

Wij willen u graag wijzen op de 2 trainingen die wij organiseren voor onderzoekers die in 2018 een voorstel willen indienen voor de Marie Skłodowska-Curie Innovative Training Networks (ITN). **De trainingen vinden plaats op 12 oktober en op 24 oktober 2017.** De onderzoeker wordt tijdens de training o.a. goed voorbereid op het schrijfproces van het ITN voorstel. Uitgebreide informatie over deze ITN training vindt u op onze website <https://www.rvo.nl/actueel/evenementen/workshop-marie-sk%C5%82odowska-curie-innovative-training-networks-itn-oktober-2017> . De voertaal van de training op **12 oktober is Nederlands**, op **24 oktober Engels**. Voor deze laatste training vindt u de beschrijving op onze Engelstalige agendapagina.

De MSCA-ITN call voor 2018 opent op 12 oktober 2017 en zal sluiten op 17 januari 2018.

Overzicht trainingen ITIS / RVO

Op deze website <https://www.rvo.nl/subsidies-regelingen/horizon-2020/agenda> vind je een overzicht van de trainingen die worden gegeven door RVO.

Call deadlines

HORIZON 2020 calls

Overview of most important HORIZON deadlines for calls 2016 and 2017; based on information per 11 September 2017 for more details go to the participants portal <http://ec.europa.eu/research/participants/portal/desktop/en/home.html>

Call identifier	Dead line
Pillar I Excellent Science	
ERC	
ERC-2018-STG	17 October 2017 at 17.00hr Brussels local time (<i>ERC Starting Grant StG-2018</i>)
ERC-2018-CoG	Foreseen opening 24 October 2017 foreseen deadline 15 February 2018 (<i>ERC Consolidator Grant CoG-2018</i>)
ERC-2017-ADG	30 August 2018 at 17.00hr Brussels local time (<i>ERC Advanced Grant AdG-2018</i>)
ERC-2018-SyG	14 November 2017 at 17.00hr Brussels local time (<i>ERC Synergy Grant SyG-2018</i>)
RC-2018-PoC	Foreseen opening 18 July 2017 foreseen deadlines 16 January 2018 18 April 2018 and 11 September 2018 (<i>ERC Proof of Concept Grant PoC-2018</i>)
FET	
H2020-FETOPEN-2016-2017	11 May 2016 (CLOSED), 17 January 2017 (CLOSED) and 27 September 2017 17.00 Brussels local time (<i>FET-OPEN - NOVEL IDEAS FOR RADICALLY NEW TECHNOLOGIES - RESEARCH PROJECTS H2020-FETOPEN-2016-2017-RIA</i>)
H2020-FETOPEN-2016-2017	29 September 2016 (CLOSED) and 27 September 2017 17.00 Brussels local time (<i>FET-OPEN - NOVEL IDEAS FOR RADICALLY NEW TECHNOLOGIES - COORDINATION AND SUPPORT ACTIONS H2020-FETOPEN-2016-2017 CSA</i>)
Research infrastructures	
Marie Skłodowska-Curie	
H2020-MSCA-IF-2017	14 September 2017 at 17.00hr Brussels local time (<i>CALL: MARIE SKŁODOWSKA-CURIE INDIVIDUAL FELLOWSHIPS</i> Call identifier: H2020-MSCA-IF-2017)
H2020-MSCA-COFUND-2017	28 September 2017 at 17.00hr Brussels local time (<i>CALL: MARIE SKŁODOWSKA-CURIE CO-FUNDING OF REGIONAL, NATIONAL AND INTERNATIONAL PROGRAMMES</i> Call identifier: H2020-MSCA-COFUND-2017)
MSCA-ITN-2018	Foreseen opening 12 October 2017 foreseen deadline 16 January 2018 (<i>Marie Skłodowska-Curie Innovative Training Networks MSCA-ITN-2018</i>)
MSCA-IF-2018	Foreseen opening 12 April 2018 foreseen deadline 12 September 2018 (<i>Marie Skłodowska-Curie Marie Skłodowska-Curie Individual Fellowships MSCA-IF-2018</i>)
MSCA-RISE-2018	Foreseen opening 7 December 2017 foreseen deadline 18 April 2018 (<i>Marie Skłodowska-Curie Research and Innovation Staff Exchange H2020-MSCA-RISE-2018</i>)
MSCA-COFUND-2018	Foreseen opening 12 April 2018 foreseen deadline 27 September 2018 (<i>Marie Skłodowska-Curie Co-funding of regional, national and international programmes H2020-MSCA-COFUND-2018</i>)

MSCA-NIGHT-2018	Foreseen opening 7 November 2017 foreseen deadline 13 February 2018 (<i>European Researchers' Night H2020-MSCA-NIGHT-2019</i>)
MSCA-ITN-2019	Foreseen opening 13 September 2018 foreseen deadline 10 January 2019 (<i>Marie Skłodowska-Curie Innovative Training Networks MSCA-ITN-2019</i>)
MSCA-IF-2019	Foreseen opening 11 April 2019 foreseen deadline 11 September 2019 (<i>Marie Skłodowska-Curie Marie Skłodowska-Curie Individual Fellowships MSCA-IF-2018</i>)
MSCA-RISE-2019	Foreseen opening 4 December 2018 foreseen deadline 3 April 2019 (<i>Marie Skłodowska-Curie Research and Innovation Staff Exchange H2020-MSCA-RISE-2019</i>)
MSCA-COFUND-2019	Foreseen opening 4 April 2019 foreseen deadline 26 September 2019 (<i>Marie Skłodowska-Curie Co-funding of regional, national and international programmes H2020-MSCA-COFUND-2019</i>)
Pillar II Industrial leadership	
LEIT NMBP	
PPP	
LEIT ICT	
LEIT SPACE Earth Observation	
HORIZON 2020 DEDICATED SME INSTRUMENT	
Horizon2020 Prices	
Pillar III Societal Challenges	
Societal challenge 1 HEALTH	
SC1-BHC-15-2018 (RIA) two-stage	Foreseen opening 6 November 2017 foreseen deadline first stage 6 February 2018 foreseen deadline Second stage 4 September 2018
SC1-BHC-2018 en SC1-HCO Single stage	Foreseen opening 6 November 2017 foreseen deadline 10 April 2018
SC1-BHC-2019 (RIA) two-stage	Foreseen opening 2 July 2018 foreseen deadline first stage 2 October 2018 foreseen deadline Second stage 9 April 2019
SC1-BHC-2019 en SC1-HCO Single stage	Foreseen opening 2 July 2018 foreseen deadline 9 April 2019
Societal Challenge 2 FOOD	
H2020-SFS-2016-2017 H2020-SFS-2017 two-stage	14 February 2017 at 17.00hr Brussels local time first stage (CLOSED) and 13 September 2017 at 17.00 hr Brussels time second -stage (<i>Call - Sustainable Food Security – Resilient and resource-efficient value chains</i>)
H2020-RUR-2016-2017 H2020-RUR-2017 two-stage	14 February 2017 at 17.00hr Brussels local time first stage (CLOSED) and 13 September 2017 at 17.00 hr Brussels time second -stage (<i>Call - Rural Renaissance - Fostering innovation and business opportunities H2020-RUR-2016-2017</i>)
H2020-BB-2016-2017 two-stage	14 February 2017 at 17.00hr Brussels local time first stage (CLOSED) and 13 September 2017 at 17.00 hr Brussels time second -stage (<i>Call - Bio-based innovation for sustainable goods and services - Supporting the development of a European Bioeconomy H2020-BB-2016-2017</i>)
H2020-SFS-2018-2020 call 2018 single-stage	Foreseen opening 27 October 2017 foreseen deadline 13 February 2018
H2020-SFS-2018-2020 call 2018 two-stage	Foreseen opening 27 October 2017 foreseen deadline first stage 13 February 2018 foreseen deadline Second stage 11 September 2018
H2020-SFS-2018-2020 call 2019 single-stage	Foreseen opening 25 October 2018 foreseen deadline 23 January 2019

H2020-SFS-2018-2020 call 2019 two-stage	Foreseen opening 25 October 2018 foreseen deadline first stage 23 January 2019 foreseen deadline Second stage 4 September 2019
H2020-BG-2018-2020 call 2018 single-stage	Foreseen opening 27 October 2017 foreseen deadline 13 February 2018
H2020-BG-2018-2020 call 2018 single-stage	Foreseen opening 27 October 2017 foreseen deadline first stage 13 February 2018 foreseen deadline Second stage 11 September 2018
H2020-BG-2018-2020 call 2019 single-stage	Foreseen opening 25 October 2018 foreseen deadline 23 January 2019
H2020-BG-2018-2020 call 2019 two-stage	Foreseen opening 25 October 2018 foreseen deadline first stage 23 January 2019 foreseen deadline Second stage 4 September 2019
H2020-RUR-2018-2020 call 2018 single-stage	Foreseen opening 27 October 2017 foreseen deadline 13 February 2018
H2020-RUR-2018-2020 call 2018 two-stage	Foreseen opening 27 October 2017 foreseen deadline first stage 13 February 2018 foreseen deadline Second stage 11 September 2018
H2020-RUR-2018-2020 call 2019 single-stage	Foreseen opening 25 October 2018 foreseen deadline 23 January 2019
H2020-RUR-2018-2020 call 2019 two-stage	Foreseen opening 25 October 2018 foreseen deadline first stage 23 January 2019 foreseen deadline Second stage 4 September 2019
Societal Challenge 4 TRANSPORT	
H2020-MG-2016-2017 H2020-MG-2017 two stage	26 January 2017 at 17.00hr Brussels local time first stage CLOSED and 19 October 2017 at 17.00 hr Brussels time second -stage (<i>MOBILITY FOR GROWTH 2016-2017 H2020-MG-2017_TwoStages</i>)
Societal Challenge 5 ENVIRONMENT	
Societal Challenge 6 SOCIETY	
Science with and for Society	
Cross-cutting activities (Focus Areas)	
Widening participation / WIDESPREAD	
H2020-WIDESPREAD-2016-2017	5 October 2017 at 17.00 hr Brussels local time (<i>ERA Chairs Topic identifier: WIDESPREAD-03-2017</i>)
H2020-WIDESPREAD-2016-2017	15 November 2017 at 17.00 hr Brussels local time (<i>Twining Topic identifier: WIDESPREAD-05-2017</i>)

Other related EC calls (JTI, ERA-COFUNDS, JPI's etc.)

Overview of deadlines of most important public-public and public-private EC calls related to Horizon2020 based on information per 11 September 2017 for more details; go to participants portal <http://ec.europa.eu/research/participants/portal/desktop/en/home.html>

Call identifier	Dead line
ERA-NET / ERANET-COFUND	
ERA-NET Cofund "CoBioTech" www.cobiotech.eu	Foreseen opening call 'Biotechnology for a sustainable bioeconomy' ERA-NET Cofund "CoBioTech" deadline for pre-proposals : 2 March 2017 (CLOSED). Awarding grants October 2017 www.cobiotech.eu
ERA-NET COFUND LEAP-AGRI http://www.leap-agri.com/	Call for Preliminary Proposals African European collaborative research on Sustainable Agriculture and Aquaculture and on Food and Nutrition Security Deadline Thursday, 15 June 2017, 14:00 CEST and Mid-Dec 2017 (full proposals) http://www.leap-agri.com/index.php/2014-10-27-15-56-42/pre-proposal-submission
ERA-NET NORFACE http://www.norface.net/	The Belmont Forum and NORFACE launched the programme Transformations to Sustainability (acronym: T2S). The deadline for submitting an Outline Proposal was 5 April 2017 (CLOSED), 23.00 hours CE(S)T. The deadline for submitting a Full Proposal (invitation only) will be 26 September 2017, 13.00 Eastern Standard Time. https://www.bfgo.org/ and https://www.nwo.nl/en/funding/our-funding-instruments/sgw/norface-transformations-to-sustainability/norface-transformations-

	to-sustainability.html
Joint Technology Initiatives	
Joint Programming Initiatives	
Overview websites running Joint Programming Initiatives	<ul style="list-style-type: none"> • A healthy diet for a healthy life (HDHL): http://www.healthydietforhealthylife.eu/ • Agriculture, food security and climate change (FACCE): http://www.faccejpi.com/ • Antimicrobial Resistance- The Microbial Challenge - An Emerging Threat to Human Health (JPI AMR): http://www.jpiamr.eu/ • Connecting Climate Knowledge for Europe (Clik'EU): http://www.jpi-climate.eu/home • Healthy and Productive Seas and Oceans (JPI-Oceans): http://www.jpi-oceans.eu/ • More Years, Better Lives - The Potential and Challenges of Demographic Change (JPI MYBL): http://www.jp-demographic.eu/ • Neurodegenerative Disease/Alzheimer's (JPND): http://www.neurodegenerationresearch.eu/ • Urban Europe - Global Urban Challenges, Joint European Solutions (Urban Europe): http://jpi-urbaneurope.eu/ • Water challenges for a changing world (Water-JPI): http://www.waterjpi.eu/ • Cultural Heritage a Challenge for Europe (Cultural Heritage): http://www.jpi-culturalheritage.eu/
JPI-FACCE SURPLUS second call http://faccsurplus.org/	FACCE SURPLUS announces the launch of a second call for transnational research projects on "Small scale Biorefineries". The deadline for the submission of pre-proposals is March 7, 2017 (CLOSED) http://faccsurplus.org/
European Innovation Partnerships	

Other international calls

This list is a SELECTION of other international calls. The list was compiled on **11 September 2017**. Calls marked with **NEW** are newly included in the list

Deadline	Call
13-09-2017	Deadline for step 2 proposals for the 2 Seas 4th call for proposals . Step 2 will be open from 2 May 2017 until 13 September 2017 http://www.interreg2seas.eu/en/news/call-4-open-1-december and http://www.interreg2seas.eu/en/download/file/fid/3496
14-09-2017	Deadline Eurostars-2 programme Cut-off 8 . Thursday 14 September 2017, 20h00 Brussels time. https://www.eurostars-eureka.eu/eurostars-process-evaluation
15-09-2017	Deadline voor indienen call 2 subsidieregeling Waterveiligheid en Waterzekerheid Stedelijke Delta's (WWSD) van het programma Partners voor Water (PvW) 2016-2021 . Verwachte Indienen van 3 juli tot en met 15 september 2017 http://www.rvo.nl/subsidies-regelingen/partners-voor-water-pvw
27-10-2017	Deadline for first stage proposals for the 2 Seas 5th call for proposals . Application from 1 August until 27 October 2017. http://www.interreg2seas.eu/en/content/call-proposals
02-05-2018	Deadline for step 2 proposals for the 2 Seas 5th call for proposals . Step 2 will be open 2 February 2018 until 2 May 2018. http://www.interreg2seas.eu/en/news/call-4-open-1-december
02-05-2018	Deadline for step-1 proposals for the Interreg 2 Seas 6th call for proposals Step 1 of call 6 will open on 01 February 2018 and close on 02 May 2018. http://www.interreg2seas.eu/en/content/call-proposals
March 2018	Foreseen deadline for full applications for the 5th call of Interreg Northsea . Call 5 will be open for full applications from January 2018 to March 2018. Only approved expressions of interests will be invited to submit an application http://www.northsearegion.eu/about-the-programme/programme-news/timeline-for-future-calls/
06-11-2018	Deadline for step-2 proposals for the Interreg 2 Seas 6th call for proposals Step 2 will open the on 08 August 2018 and close on 06 November 2018. http://www.interreg2seas.eu/en/content/call-proposals

National calls

This list is a selection of open national calls. The list was compiled on **11 September 2017**. Calls marked with **NEW** are newly included in the list

Deadline	Call
26-09-2017	Sluiting vooraanmeldingen voor NWO-oproep voor Onderzoekstalent voor uitmuntende studenten binnen de maatschappij- en gedragswetenschappen om promotieonderzoek te doen Sluitingsdatum vooraanmelding: 26 september 2017, 14.00u CEST https://www.nwo.nl/financiering/onze-financieringsinstrumenten/magw/onderzoekstalent/onderzoekstalent.html
26-09-2017	Sluiting oproep indiening van project ideeën Subsidieoproep DoelmatigheidsOnderzoek – Open ronde 2019, Onderzoek naar de kosteneffectiviteit van interventies U kunt tot 26-09-2017, 14:00u uw projectidee indienen via ProjectNet. https://www.zonmw.nl/nl/subsidies/openstaande-subsidieoproepen/detail/item/doelmatigheidsonderzoek-open-ronde-2019-onderzoek-naar-de-kosteneffectiviteit-van-interventies/
28-09-2017	Sluiting nominatie NWO Athena-prijs . Nominaties voor de Athena-prijs kunnen worden ingediend bij NWO tot en met donderdag 28 september 2017, 14.00 CET., via het e-mailadres womeninchemistry@nwo.nl . https://www.nwo.nl/financiering/onze-financieringsinstrumenten/cw/athena-prijs/athena-prijs.html
03-10-2017	Sluiting indiening Partnership programme NWO Domain TTW – Nutricia “New concepts for specialized nutrition that influence immune fitness” Proposals (see format below) need to be submitted to NWO Domain TTW before Tuesday 3 October 2017, 14.00 CE(S)T http://www.stw.nl/sites/stw.nl/files/Call%20Text_Specialized%20Nutrition_def.pdf and http://www.stw.nl/nl/content/partnership-nwo-domain-ttw-nutricia
05-10-2017	Sluiting voor indiening aanvragen VIDI 2017 (Vernieuwingsimpuls Vidi voor ervaren onderzoekers) De deadline voor het indienen van een aanvraag in de ronde 2017 is 5 oktober om 14:00 uur https://www.nwo.nl/financiering/onze-financieringsinstrumenten/nwo/vernieuwingsimpuls/vidi/index.html
05-10-2017	Sluiting subsidieoproep Sport en Bewegen 2017 onderdeel ZonMw Onderzoeksprogramma Sport en Bewegen 2017 U kunt tot 5 oktober 2017, 14.00 uur uw aanvraag indienen via ProjectNet. http://projectnet.zonmw.nl/projectnet/servlet/projectnet?subsidyGuide&id=200002695 en https://www.zonmw.nl/nl/subsidies/openstaande-subsidieoproepen/detail/item/sport-en-bewegen-2017/
05-10-2017	Sluiting NWO oproep START-UP De eerste deadline voor het indienen van aanvragen is 5 oktober 2017, om 14:00 uur CE(S)T. https://www.nwo.nl/financiering/onze-financieringsinstrumenten/enw/start-up/start-up.html en https://www.nwo.nl/binaries/content/documents/nwo/algemeen/documentation/application/enw/start-up/start-up--call-for-proposals/Call+for+Proposals+START-UP+NL+def.pdf
15-10-2017	Sluiting nominatie Heinekenprijzen De deadline voor het indienen van nominaties is 15 oktober 2017. De feestelijke uitreiking vindt plaats op 27 september 2018 in het Muziekgebouw aan 't IJ in Amsterdam. https://www.knaw.nl/nl/prijzen/prijzen/heinekenprijzen/
02-11-2017	Sluiting fase 1 NWO-TTW Perspectiefronde 2017-2018 indienen van een programma-initiatief (fase 1) is verplicht. Indienen kan tot en met 2 november 2017 (14.00 uur) http://www.stw.nl/nl/perspectief
07-12-2017	Sluiting fase 2 NWO-TTW Perspectiefronde 2017-2018 De deadline voor fase 2 programma ontwerp is 7 december 2017 (14.00 uur). http://www.stw.nl/nl/perspectief
09-01-2018	Sluiting indiening uitgewerkte voorstellen NWO Vrije competitie geesteswetenschappen, ronde 2017 Aanvragers van geselecteerde vooraanmeldingen worden vervolgens uitgenodigd om hun uitgewerkte voorstel uiterlijk op 9 januari 2018, 14:00 uur CE(S)T in te dienen. . https://www.nwo.nl/financiering/onze-financieringsinstrumenten/nwo/vrije-competitie/gw/vrije-competitie.html en https://www.nwo.nl/binaries/content/documents/nwo/algemeen/documentation/application/gw/gw-vrije-competitie---call-for-proposals/Call+for+Proposals+Vrije+Competitie+Geesteswetenschappen.pdf
10-02-2018	Sluiting programma Westerdijk Talentimpuls (NWO) . Aanvragen kunnen ingediend worden tot 10 februari 2018, 13:59 uur. http://www.nwo.nl/financiering/onze-financieringsinstrumenten/nwo/westerdijk-talentimpuls/westerdijk-talentimpuls.html
06-03-2018	Sluiting indiening uitgewerkte voorstellen voor NWO-oproep voor Onderzoekstalent voor uitmuntende studenten binnen de maatschappij- en gedragswetenschappen om promotieonderzoek te doen Sluitingsdatum uitgewerkte voorstellen: 6 maart 2018, 14.00u CET https://www.nwo.nl/financiering/onze-financieringsinstrumenten/magw/onderzoekstalent/onderzoekstalent.html
06-03-2018	Sluiting indiening van subsidieprojecten Subsidieoproep DoelmatigheidsOnderzoek – Open ronde 2019, Onderzoek naar de kosteneffectiviteit van interventies De deadline voor het indienen van subsidieaanvragen is 6 maart 2018, 14.00 uur via projectnet. https://www.zonmw.nl/nl/subsidies/openstaande-subsidieoproepen/detail/item/doelmatigheidsonderzoek-open-ronde-2019-onderzoek-naar-de-kosteneffectiviteit-van-interventies/
17-05-2018	Sluiting fase 3 NWO-TTW Perspectiefronde 2017-2018 De deadline voor fase 3 programma voorstellen kunnen vervolgens tot en met 17 mei 2018 (14.00 uur) worden ingediend. http://www.stw.nl/nl/perspectief

Regional calls

This list is a selection of regional calls. The list was compiled on **11 September 2017**. Calls marked with **NEW** are newly included in the list

Deadline	Call
03-10-2017	Grote R&D-projecten: Algemene Innovatie (3.3) OP-Oost Aanvragen van 17 juli t/m 3 oktober 2017 http://www.op-oost.eu/Grote-R-en-D-samenwerkings-projecten-Algemene-Innovatie
17-11-2017	Sluiting sixth call for projects for Interreg North-West Europe Programme call for project proposals will be open from the 16th of October to the 17th of November 2017 http://www.nweurope.eu/news-events/latest-news/get-ready-for-the-sixth-call-for-projects-open-from-1610-to-1711/
31-12-2017	Sluiting Zeeuwse regeling voor kennis- en innovatienetwerken Aanvragen kunnen vanaf 1 juli tot en met 31 december 2017 worden ingediend. https://www.zeeland.nl/sites/zi-zeeland/files/campus_zeeland_ondersteunt_organiserend_vermogen_van_kennis-_en_innovatienetwerken_met_subsidie.pdf
28-02-2018	Sluiting aanvraag voor grote R&D samenwerkingsprojecten: Algemene. Indiening mogelijk vanaf 3 oktober 2017 tot en met 28 februari 2018 beoordeling volgens de first come, first serve systematiek. De openstelling voor Grote R&D samenwerkingsprojecten: Koolstofarme innovatie is van 7 november 2017 tot en met 28 februari 2018. http://www.op-oost.eu/Grote-R-amp-amp-D-projecten-Algemene-Innovatie-(3_3)
28-02-2018	Sluiting aanvraag voor Grote R&D samenwerkingsprojecten: Koolstofarme innovatie Indiening mogelijk vanaf 7 november 2017 tot en met 28 februari 2018 beoordeling volgens de first come, first serve systematiek http://www.op-oost.eu/7358-Regelingen-2017/Grote-R-amp-amp-D-projecten-Koolstofarme-innovatie-(3.3).html
28-02-2018	Stimuleren proeftuinen (3.4) OP-Oost Aanvragen van 1 maart 2017 t/m 28 februari 2018 http://www.op-oost.eu/7358-Regelingen-2017/Stimuleren-proeftuinen
28-02-2018	Stimuleren clusters en netwerken (3.5) OP-Oost Aanvragen van 1 maart 2017 t/m 28 februari 2018. http://www.op-oost.eu/Stimuleren-clusters-en-netwerken

About the EU office

Wageningen International EU office provides, in close collaboration with Science Group liaison officers, information and support on fund raising, proposal writing and project management. The helpdesk can supply you with information on specific national and international programmes and funding schemes, best practices and templates.

Rooted in the former EuropaDesk that focused mainly on EU funding mechanisms, the services were broadened to include other international funding schemes as well as national and regional subsidies. Our approach is demand-driven. We look for tailor-made solutions, liaise with regional and institutional account managers, National Contact Points and EU officers and can support project coordinators for example with contract negotiations and audits.

The EU office is committed to provide advice in the whole process from proposal development to project execution and beyond. Whether you are looking for consultancy with regard to fund raising and proposal writing, are seeking dedicated support in developing (inter)national strategic initiatives, or are looking for advice on legal, financial or other project management related subjects.

Contacts

EU office Contacts:

Peter Jongebloed	Contact point ASG, SSG, RIKILT, Wageningen Bio veterinary Research, Wageningen Marine Research	0317 486876	Peter.Jongebloed@wur.nl
Christianne Marcelis	Contact point PSG	0317 480843	Christianne.Marcelis@wur.nl
Vanya Simeonova	Contact point ESG	0317 485978	Vanya.simeonova@wur.nl
Jaap Richter Uitdenbogaardt	Contact point financial and legal matters, and People programme	0317 486141	Jaap.RichterUitdenbogaardt@wur.nl
Reynout Hana	Contact point legal matters	0317 485857	Reynout.Hana@wur.nl
Rene van Ree	Contact point AFSG	0317 480710	Rene.vanree@wur.nl

Science Groups Liaison Officers:

Hans Spoolder	Wageningen Livestock Research	0317-480652	Hans.Spoolder@wur.nl
Gerda Bakker	ASG department	0317-483382	Gerda.bakker@wur.nl
Chris van Tongeren	ASG department	0317-483835	Chris.vantongeren@wur.nl
Ruben Spreeuwiers	ASG department	0317-484814	Ruben.Spreeuwiers@wur.nl
Tender Support Unit	ESG	0317-477768	tendersupportunit.esg@wur.nl
Jos Teunissen	AFSG	0317-485313	jos.teunissen@wur.nl
Maryvon Noordam	RIKILT	0317-480295	maryvon.noordam@wur.nl
Ingeborg Oude Lansink	SSG departement	0317-486063	Ingeborg.OudeLansink@wur.nl
Luc van Hoof	Wageningen Marine Research	0255-564646	Luc.vanhoof@wur.nl
Christianne Marcelis	PSG	0317-480843	Christianne.Marcelis@wur.nl
Oscar van Rootselaar	SSG departement	0317-482266	oscar.vanrootselaar@wur.nl
Wim van der Poel	Wageningen Bio Veterinary Research	0320-238383	Wim.vanderPoel@wur.nl
Ineke van Driel	SSG departement	0317-485656	Ineke.vanDriel@wur.nl
Judith Battjes	Wageningen Economic Research	070-3358188	Judith.battjes@wur.nl
John Hollands	SSG-CDI	0317-486859	John.hollands@wur.nl

Disclaimer

Ource: Wensite