



Subsidy and Innovation News, N° 195 , 27 October 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.

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HORIZON 2020

H2020 calls 2018-2020 announced: Commission to invest €30 billion in new solutions for societal challenges and breakthrough innovation (27 October 2017)

The European Commission today announced how it will spend €30 billion of the EU research and innovation funding programme Horizon 2020 during 2018-2020, including €2.7 billion to kick-start a European Innovation Council.

Horizon 2020, the EU's €77 billion research and innovation funding programme, supports scientific excellence in Europe and has contributed to high-profile scientific breakthroughs such as the discovery of exoplanets <https://erc.europa.eu/news/erc-projects-behind-exoplanets-discovery> and gravitational waves <http://ec.europa.eu/research/index.cfm?pg=newsalert&year=2017&na=na-041017>. Over the next 3 years, the Commission will seek greater impact of its research funding by focusing on fewer, but critical topics such as migration, security, climate, clean energy and digital economy. Horizon 2020 will also be more geared towards boosting breakthrough, market-creating innovation.

Carlos **Moedas**, Commissioner for Research, Science and Innovation, said: *"Artificial Intelligence, genetics, blockchain: science is at the core of today's most promising breakthrough innovations. Europe is a world leader in science and technology and will play a major role in driving innovation. The Commission is making a concerted effort – including with the European Innovation Council which takes its first steps today – to give Europe's many innovators a springboard to become world leading companies."*

Supporting breakthrough, market-creating innovation

Since the beginning of its mandate, the Juncker Commission has been working hard to give Europe's many innovative entrepreneurs every opportunity to thrive. Now, the Commission is launching the first phase of the **European Innovation Council**. Between 2018 and 2020, the Commission will mobilise €2.7 billion from Horizon 2020 to support high-risk, high-gain innovation to create the markets of the future. Moreover, Horizon 2020 will make better use of its "crack the challenge" prizes to deliver breakthrough technology solutions to pressing problems faced by our citizens.

Focusing on political priorities

The 2018-2020 Work Programme will focus efforts on fewer topics with bigger budgets, directly supporting the Commission's political priorities https://ec.europa.eu/commission/priorities_en :

- **A low-carbon, climate resilient future:** €3.3 billion
- **Circular Economy:** €1 billion
- **Digitising and transforming European industry and services:** €1.7 billion
- **Security Union:** €1 billion
- **Migration:** €200 million

€2.2 billion will be earmarked for **clean energy** projects in four interrelated areas: renewables, energy efficient buildings, electro-mobility and storage solutions, including €200 million to support the development and production in Europe of the next generation of electric **batteries** http://europa.eu/rapid/press-release_STATEMENT-17-3861_en.htm.

Boosting 'blue sky' research

At the same time, Horizon 2020 will continue to fund 'curiosity-driven science' (often referred to as 'blue sky science' or 'frontier research'). The annual Work Programme of the European Research Council http://ec.europa.eu/research/participants/data/ref/h2020/wp/2018_2020/erc/h2020-wp18-erc_en.pdf for 2018, adopted in August, will enable support for excellent researchers with nearly €1.86 billion. Marie Skłodowska-Curie Actions, which fund fellowships for researchers at all stages of their careers, receive a boost with €2.9 billion in total over three years.

Enhancing international cooperation

The new Work Programme also strengthens international cooperation in research and innovation. It will invest over €1 billion in **30 flagship initiatives** in areas of mutual benefit. Examples include working with Canada on personalised medicine, with the US, Japan, South Korea, Singapore and Australia on road transport automation, with India on water challenges and with African countries on food security and renewable energies.

Spreading excellence

Between 2018 and 2020, €460 million under Horizon 2020 will be allocated specifically to supporting Member States and associated countries that do not yet participate in the programme to their full potential. The aim is to tap into the unexploited pockets of excellence in Europe and beyond. In addition, the programme also continues to promote closer synergies with the European Structural and Investment Funds https://ec.europa.eu/info/funding-tenders/european-structural-and-investment-funds_en.

Simplifying rules of participation further

Another novelty is the introduction of the **lump-sum pilot**, a new, simpler approach to providing financial support to participants. It will shift the focus of ex-ante controls from financial checks to the scientific-technical content of the projects.

Open Science

The programme marks a step change in promoting Open Science by shifting from publishing research results in scientific publications towards sharing knowledge sooner in the research process. €2 billion will be channelled to support Open Science, and €600 million will be dedicated to the **European Open Science Cloud**, European Data Infrastructure and High Performance Computing.

Background

Horizon 2020 is the EU's biggest ever research and innovation framework programme with a budget of €77 billion over seven years (2014-2020). While most research and innovation activities are still underway or yet to start, the programme is delivering. Horizon 2020 researchers have contributed to major discoveries like exoplanets, the Higgs boson and gravitational waves, and at least 19 Nobel Prize winners received EU research funding prior or after their award.

As of October 2017, Horizon 2020 has in total funded more than 15 000 grants to the tune of €26.65 billion, of which almost €3.79 billion went to SMEs. The programme has also provided companies, in particular SMEs, with access to risk finance worth over €17 million under the "InnovFin - EU finance for innovators" scheme. Furthermore, 3,143 ERC Principal Investigators in host organisations and 10,176 fellows under the Marie Skłodowska-Curie Actions have received grants worth almost €4.87 billion and €2.89 billion respectively.

Simultaneous to the adoption of the Horizon 2020 Work Programme 2018-2020, the Euratom Work Programme 2018 has been adopted, investing €32 million in research into the management and disposal of radioactive waste. It will also develop a research roadmap on safe decommissioning of nuclear power plants to reduce environmental impact and costs.

Horizon 2020 Work Programme from 2018 to 2020 Questions and answers (27 October 2017)

Source: Website EC

What is in the new Work Programme?

Spanning seven years (2014 - 2020) and with a budget of €77 billion, Horizon 2020 is the biggest EU research and innovation funding programme ever. It is implemented via multi-annual work programmes.

Today, the European Commission presents the final Work Programme for Horizon 2020, covering the budgetary years 2018, 2019 and 2020 and representing an investment of around €30 billion.

The vast majority of this funding is allocated on the basis of competitive calls which are open to applications from researchers, businesses and other interested organisations located in any of the EU Member States or countries associated

http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/3cpart/h2020-hi-list-ac_en.pdf to Horizon 2020.

Organisations from third countries can also participate in the projects, subject to certain conditions. All funding opportunities and related information is available on a single [portal](#).

What are the new features of the Work Programme?

The 2018-2020 Work Programme builds on the success of Horizon 2020 so far, and takes account of the extensive interim evaluation https://ec.europa.eu/research/evaluations/index_en.cfm?pg=h2020evaluation of the programme. The Work Programme also responds to the European Commission's political priorities https://ec.europa.eu/commission/priorities_en and paves the way for its successor programme.

The new features include measures to support market-creating innovation, highly integrated activities called focus areas, emphasis on better dissemination of results and a focus on open access to data. The Work Programme also includes measures to increase simplification (e.g. lump sum funding), to widen participation from less performing countries, and to address skills mismatches.

What will the Work Programme focus on?

1. Market creating innovation

The Work Programme introduces measures to support market creating innovation, through a first phase of a **European Innovation Council (EIC)**. This will be open to innovations in any technology or sector including novel innovations that cut across technologies and sectors.

The first phase of the EIC will support innovative firms and entrepreneurs to scale up their businesses rapidly at European and global levels, and help Europe better capture innovative ideas with the potential to create new markets and strengthen the industrial base. With a budget of €2.7 billion, it brings together existing instruments: the SME Instrument, inducement prizes, FET-Open and Fast Track to Innovation. Further changes include making the SME instrument fully 'bottom up' so that innovative projects that cut across sectors and technologies can be supported.

For funding under the SME instrument (in Phase 2: support further development of innovative projects through activities such as testing, piloting or scaling up), the Commission also plans to introduce face-to-face interviews to the proposal evaluation system.

2. Political priorities

The Work Programme aims to address political priorities of the Commission through defining targeted research and innovation actions that can deliver significant impact.

'**Focus areas**' have been designed around four political priorities: a low-carbon, climate resilient future; circular economy; digitising and transforming European industry and services; and security union. These focus areas are 'virtual calls' that cut across several parts of

the Work Programme and that are endowed with a substantial budget. Focus areas are expected to create an **exceptional impact**, addressing 'big ticket' challenges.

- **'Building a low Carbon, Climate-resilient Future' (budget of €3.3 billion)**, will align R&I investments with the climate change objectives of the **Paris Climate Agreement** http://unfccc.int/paris_agreement/items/9485.php as well as with the United Nations' **Sustainable Development Goals** <http://www.un.org/sustainabledevelopment/sustainable-development-goals/> (SDGs). The focus area will support the development of solutions to achieve carbon neutrality and climate resilience by the second half of the century.
As part of this focus area, R&I actions will support Europe's implementation of the Energy Union https://ec.europa.eu/commission/priorities/energy-union-and-climate_en. Over €2 billion will be invested in the four strategic priorities identified in the Accelerating Clean Energy Innovation https://ec.europa.eu/commission/priorities/energy-union-and-climate/proposals-clean-energy-all-europeans_en Communication, namely renewables, energy efficiency in buildings, electro-mobility and energy storage solutions. The energy storage solutions will have an emphasis on the next generation of **batteries (budget €200 million)**, which will play an essential role in the transformation of our society towards less dependency on fossil fuels and radical reduction of emissions.
- **'Connecting economic and environmental gains – the Circular Economy' (budget of €941 million)** will support the Commission's ambitious Circular Economy package. Through R&I actions a strong contribution will be made to sustainable development goals, climate action, resource efficiency, jobs and growth and industrial competitiveness.
- **'Digitising and transforming European industry and services' (budget of €1.7 billion)** will address the combination of digital technologies (5G, high-performance computing, artificial intelligence, robotics, big data, Internet of Things, etc.) with innovations in other technological areas, as emphasised in the Digital Single Market https://ec.europa.eu/commission/priorities/digital-single-market_en strategy. This field offers huge opportunities for increasing industrial competitiveness, to create growth and jobs and to address societal challenges such as personalised medical treatments, more secure and efficient mobility, food security and sustainable use of natural resources, cleaner energy and security. In addition, a particular emphasis will be put on cybersecurity and on addressing the societal impact of the digital transformation.
- **'Boosting the effectiveness of the Security Union' (budget of €1 billion)**, will support the implementation of Security Union priorities such as preventing and fighting serious crime including terrorism, improving border security and protecting infrastructure against threats, including cyber-attacks. Research on security threats, in particular terrorism, cybercrime, natural and man-made disasters and hybrid threats, will underpin an innovative, effective and coordinated EU response to mitigate risks and their potential impact on European society. Horizon 2020 represents 50% of overall public funding for security research in the EU.
- **Migration** is a political priority which will receive dedicated support through the Work Programme. Although not defined as a focus area (the financial contribution comes from a single part of the Work Programme), more than **€200 million** will support research on issues such as the root causes of irregular migration, migration management and integration of migrants in host societies. The results will feed into the implementation of the European Agenda on Migration https://ec.europa.eu/home-affairs/what-we-do/policies/european-agenda-migration_en.

3. Strengthening international R&I cooperation

Cooperation is necessary to ensure the EU's scientific leadership and industrial competitiveness. By collaborating on an international scale, the EU can better deliver on global commitments in line with its external policies. The Work Programme includes around **30 flagship initiatives** on topics dedicated to international cooperation in areas of mutual benefit, comprising a total budget of **over €1 billion**. Examples include:

- Canada – personalised medicine
- Africa – food, nutrition security and agriculture, renewable energies
- All Atlantic Research Alliance
- Mission Innovation Initiative – energy
- US, Japan, South Korea, Singapore and Australia – road transport automation
- COP21 – climate change action support
- India – water challenges
- Russia – research infrastructure
- Multiple international partners – safe nanotechnology

What else is new?

Apart from the EIC pilot, the final Horizon 2020 Work Programme will also pilot several other new features:

- **Lump-sum pilot** constitutes a new approach to cost reimbursement from a control-based to a trust-based system. Together with a bigger number of two-stage calls, this measure will reduce administrative burden and make the programme simpler for its users.
- **Widening fellowships pilot** adds to the range of tools that contribute to narrowing the 'innovation divide' in Europe and putting more places on the map of excellent research and innovation. Through the **Spreading Excellence and Widening Participation** part of the programme, specific support will now be offered to researchers to undertake a Marie Skłodowska-Curie fellowship https://ec.europa.eu/research/mariecurieactions/news/20171026-msca-work-programme-2018_en in a country that could do better in terms of participation in Horizon 2020.

- A disruptive innovation pilot will offer dedicated support to exceptionally promising, high-impact **clean energy technologies** to make the crucial final step to the market. The first series of projects will aim to crack two specific challenges in renewable energy: photovoltaic windows and the biological conversion of CO₂ and renewable hydrogen to fuels.
- An **ICT pilot using the mechanism of ERASMUS+** will address skills mismatches, including a shortage of specialists in information and communication technologies (ICT), that have emerged as a result of the fast-paced digital transformation. This scheme will support on-the-job learning for high education students and recent graduates and will be implemented through the mechanisms of Erasmus+. Starting in June 2018, the beneficiaries will undertake traineeships in the digital domain for up to five months. The pilot project is open to all Erasmus+ Programme Countries <https://www.erasmusplus.org.uk/participating-countries> and to the Horizon 2020 Associated Countries http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/3cpart/h2020-hi-list-ac_en.pdf.
- **New 50% funding rate to some innovation actions with a high technology-readiness level** aims to allow larger, high-cost demonstrator projects to be funded and to leverage commitment from the industry. Replacing the standard 70% funding rate for innovation actions, this 50% funding rate is piloted on a limited number of topics in the part of the programme covering Nanotechnologies, Advanced Materials, Advanced Manufacturing and Processing, and Biotechnology.

How are Open Innovation, Open Science and Open to the World reflected?

Open Innovation –aiming to make the most of Europe's innovation talent and enable a wider transformation of knowledge into products and services that create new markets - is supported in many parts of the programme. Apart from the main novelty, the first phase of the European Innovation Council, with a budget of €2.7 billion, the Work Programme will fund several Open Innovation test beds with over €200 million, as well as around 30 topics in the Societal Challenges pillar with around €300 million. A new 'multi-actor' approach aims to include all relevant stakeholders.

Open Science – the Commission's core strategy to improve knowledge circulation and thus innovation - is promoted throughout the Work Programme, in particular the open research data approach, and the creation of a European Open Science Cloud http://europa.eu/rapid/press-release_IP-16-1408_en.htm that will offer Europe's 1.7 million researchers and 70 million science and technology professionals a virtual environment to store, share and re-use their data across disciplines and borders.

Open to the World – maximising international cooperation for mutual benefit as well as tapping into global talent, innovation networks and value chains – is promoted mainly by flagship initiatives in areas of mutual interest. Numbering around 30 in total, they will work with a budget of over **€1 billion**. Europe's Outermost Regions http://ec.europa.eu/regional_policy/en/policy/themes/outermost-regions/ will also receive dedicated support. There will be an increased effort to enhance mobility paths for European researchers as well as to attract researchers to Europe.

How is Horizon 2020 funding allocated?

The Work Programme sets out a number of calls which contain predefined topics, together with the relevant budgets, conditions, and closing dates for applications. Applications are assessed by independent expert evaluators against the criteria defined in the work programme. Grant agreements are concluded with the successful applicants within a deadline which is normally eight months from call deadline.

All funding opportunities under Horizon 2020 and all the workprogrammes, guides for applicants and the other documents are accessible from the Participant portal <http://ec.europa.eu/research/participants/portal/desktop/en/home.html> . Participant portal https://ec.europa.eu/research/participants/portal/desktop/en/funding/reference_docs.html#h2020-work-programmes-2018-20

What is the remaining budget of Horizon 2020?

The total remaining budget for the last three years of Horizon 2020 (2018, 2019 and 2020) is €37.1 billion.

Of this budget, €7.1 billion is not included in the work programme as it is managed through various public-private partnerships (€3.6 billion), public-public partnerships (€0.9 billion), the European Institute of Technology (€1.4 billion) and the in-house activities of the Commission's Joint Research Centre (€0.1 billion).

The €30 billion of the Horizon 2020 Work Programme 2018-2020 adopted today includes the Marie Skłodowska-Curie Actions (€2.8 billion) and Access to Risk Finance (€1.4 billion). This amount also includes the support to the ERC (€6 billion) which was presented in a separate ERC Work Programme <https://erc.europa.eu/sites/default/files/document/file/ERC-Work-Programme-2018.pdf> in August. A separate Work Programme was also presented today for research carried out within the framework of the Euratom Treaty.

For More Information

- Press release: http://europa.eu/rapid/press-release_IP-17-4122_en.htm Work Programme 2018-2020 Horizon 2020
- Factsheet https://ec.europa.eu/programmes/horizon2020/sites/horizon2020/files/eic_pilot_factsheet_2018-2020_0.pdf : European Innovation Council
- Factsheet https://ec.europa.eu/programmes/horizon2020/sites/horizon2020/files/migration_fact_sheet_2018-2020.pdf : migration-related research
- Factsheet https://ec.europa.eu/programmes/horizon2020/sites/horizon2020/files/lump_sum_factsheet_2018-2020_0.pdf : lump sum pilot
- Country factsheets http://ec.europa.eu/research/horizon2020/index_en.cfm?pg=country-profiles
- Horizon 2020 website <http://ec.europa.eu/programmes/horizon2020/en> and calls <https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/index.html>

Participant portal https://ec.europa.eu/research/participants/portal/desktop/en/funding/reference_docs.html#h2020-work-programmes-2018-20

Gendergelijkheid in Horizon 2020: concrete maatregelen nodig (26 oktober 2017)

Bron: *Neth-ER Nieuwsbrief week 43*

Er moeten concrete maatregelen worden genomen om gendergelijkheid in Horizon 2020 te garanderen. Dit staat in de tussentijdse evaluatie van gendergelijkheid in Horizon 2020. Er moet meer gendergelijkheid komen in de onderzoeksteams, in de besluitvorming en bewustheid van gendervraagstukken in onderzoek en innovatie.

Concrete maatregelen nodig

Concrete acties zijn nodig voor het verder verbeteren van gendergelijkheid in Horizon 2020. Dit blijkt uit de resultaten van de tussentijdse evaluatie van gendergelijkheid in Horizon 2020

http://ec.europa.eu/research/swafs/pdf/pub_gender_equality/interim_evaluation_gender_long_final.pdf. De laatste twee jaar van Horizon 2020 is er verbetering behaald, bijvoorbeeld door het opzetten van een adviesgroep voor gendergelijkheid, maar er zijn nog wel aandachtspunten. In het rapport worden daarom enkele aanbevelingen gedaan.

Gendergelijkheid in onderzoeksteams

Gendergelijkheid binnen onderzoeksteams verbetert maar langzaam. Zo roept de expertgroep van de Commissie bijvoorbeeld op projectindieners verplicht te stellen transparant te zijn over het geslacht en de positie van alle aanvragers.

Gendergelijkheid besluitvorming binnen Horizon 2020

Ook binnen de besluitvorming van Horizon 2020 kunnen concrete maatregelen voor meer gendergelijkheid zorgen. Een minimum van 40% vrouw in expertgroepen moet makkelijk en snel te behalen zijn. Om gendergelijkheid te verzekeren moet er ook in elke expertgroep minimaal één expert zijn op het gebied van gendervraagstukken.

Gendergelijkheid in wetenschap en innovatie

Zowel bij onderzoeksteams, evaluatoren als bij medewerkers van de Commissie, moet er beter begrip komen van wat gendergelijkheid daadwerkelijk betekent voor wetenschap en innovatie. Een maatregel die hiervoor kan zorgen is bijvoorbeeld dat aan elk projectonderwerp minimaal twee regels toegevoegd kan worden over het belang van gendergelijkheid voor het onderwerp.

Context

De tussentijdse evaluatie van gendergelijkheid in Horizon 2020 is uitgevoerd door een speciale expertgroep van de Commissie om problemen op het gebied van gendergelijkheid in de eerste twee jaar van Horizon 2020 in de kaart te brengen. De promotie van gendergelijkheid is deel van de strategie van de Europese Commissie op het gebied van wetenschap en innovatie. De evaluatie zal ook meegenomen worden in de voorbereidingen van [het volgende kaderprogramma](#).

Meer informatie

Publicatie Commissie http://ec.europa.eu/research/swafs/pdf/pub_gender_equality/interim_evaluation_gender_long_final.pdf: *Interim evaluation: Gender equality as a crosscutting issue in Horizon 2020*

Horizon 2020 Dashboard launched 25/10/2017 (25 October 2017)

The new Horizon 2020 Dashboard provides a user-friendly interactive tool for viewing statistics and data on participation in Horizon 2020 proposals and projects, such as success rates, allocated funding and much more. You can filter data down by country, organisation category, type of project, programme areas and call topics, etc. 3 dashboards are provided in this initial version:

- Data on participation in proposals <https://webgate.ec.europa.eu/dashboard/sense/app/e02e4fad-3333-421f-a12a-874ac2d9f0db/sheet/941d3afe-da24-4c2e-99eb-b7fcbd8529ee/state/analysis>
- Data on funded projects <https://webgate.ec.europa.eu/dashboard/sense/app/e8a41234-20b4-4e7e-80ef-335dd9e6ae36/sheet/941d3afe-da24-4c2e-99eb-b7fcbd8529ee/state/analysis>
- Extended choice of graphics and data sets on projects <https://webgate.ec.europa.eu/dashboard/sense/app/93297a69-09fd-4ef5-889f-b83c4e21d33e/sheet/erUXRa/state/analysis>

Please send your questions and comments on the dashboard to the IT Helpdesk.

FP9

Other International subsidy news

The LIFE Programme data hub goes live! (26 October 2017)

Source: Website EASME data hubs <https://ec.europa.eu/easme/en/easme-data-hubs>

You can now spot green-minded initiatives funded by the LIFE Programme in your region and potential partners abroad. This interactive map includes hundreds of LIFE projects dealing with green technologies, nature conservation and climate action.

Are you part of a LIFE project? Looking for a project partner? Want to know more about other projects close to you or working on the same areas? With this application it is now possible to search and filter projects by type (conservation & biodiversity, climate change adaptation, climate change mitigation, governance & information etc.), country, year (start or end date) and budget range. You can do this by clicking on the 'Search & Filter' grey banner on the left side of the map.

It is also possible to get extra information on each project, its coordinators and partners. In a few clicks you'll be able to find lots of useful data!

Statistics and figures are also an important feature. Click on the chart icon on top left menu and try it out. You can embed the application to your website and allow your visitors to benefit from the interactive tool.

Currently the map contains beneficiaries and projects funded in 2014 and 2015. The 2016 projects will soon be added.

Do you have questions? Check the data hub manual <https://ec.europa.eu/easme/en/easme-data-hubs> .

You can find and search in the Life Programme 2014-2020 data hub here: <https://ec.europa.eu/easme/en/news/life-programme-data-hub-goes-live>

€2.7 billion expected for Erasmus+ in 2018 (25 October 2017)

Source: Website EC Press Release http://europa.eu/rapid/press-release_IP-17-4082_en.htm

For 2018, funds available for Erasmus+ are expected to increase by more than €200 million euro, a rise of 8% compared to 2017.

The European Commission today published its 2018 Call for Proposals http://eur-lex.europa.eu/legal-content/EN/TXT/?uri=uriserv:OJ.C_.2017.361.01.0032.01.ENG&toc=OJ:C:2017:361:TOC for Erasmus+

http://ec.europa.eu/programmes/erasmus-plus/node_en, the European Union's programme for mobility and cooperation in education, training, youth and sport. With its annual budget expected to increase by €200 million, Erasmus+ will provide an unprecedented number of opportunities for individuals and organisations in Europe and beyond.

Tibor Navracsics, European Commissioner for Education, Culture, Youth and Sport, said: "*I am pleased that in 2018 the European Union is set to invest €2.7 billion in Erasmus+ to support extremely valuable educational projects and provide hundreds of thousands of opportunities for young Europeans to study or train abroad. The celebrations marking the 30th anniversary of Erasmus throughout 2017 have highlighted the positive impact that this EU success story has on the lives of people all over Europe. As President Juncker underlined in June, every euro invested in Erasmus+ is an investment in the future of a young person and of the European idea. I also welcome the support of several Heads of State for the idea that Erasmus+ should be far more ambitious in the future.*"

In 2018, Erasmus+ will continue to help implement the Commission's policy priorities, notably the goals set out in the recent initiatives

"A renewed agenda for Higher Education" <http://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1496304694958&uri=COM:2017:247:FIN> and "School development and excellent teaching for a great start in life" <http://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1496304694958&uri=COM:2017:248:FIN> .

The overall aim of these initiatives is to help Member States provide high quality, inclusive and future-oriented education for all young people. In line with the New Skills Agenda for Europe <http://ec.europa.eu/social/main.jsp?catId=1223>, Erasmus+ will also remain a strong pillar in promoting the full range of knowledge, skills and competences that help people succeed in our fast-changing societies, including transversal skills such as creativity, problem-solving and an entrepreneurial mind-set.

In total, €2.7 billion in funding are expected to be available from Erasmus+ in 2018 to:

- promote mobility opportunities for young people, students, trainees, apprentices and international volunteers, as well as for teachers, trainers and youth workers;
- create or improve partnerships between education, training and youth organisations and with the world of work;
- support dialogue and evidence-building needed to deliver reform in education, training and youth systems;
- promote excellence in teaching and research in the field of European studies through the Jean Monnet activities; and
- support transnational projects in the field of sport, with a focus on grassroots sport.

Similar to previous years, Erasmus+ projects supporting social inclusion through education, youth and sport activities will be given priority in 2018.

In 2018, for learners in the field of vocational education and training, increased focus will be placed on long-duration mobility (ErasmusPro), in line with the Commission's Communication on "Investing in Europe's Youth" <http://eur-lex.europa.eu/legal-content/EN/TXT/?uri=COM:2016:940:FIN> of 7 December 2016.

In order to further broaden the accessibility of the Erasmus+ programme in 2018, the Commission will introduce throughout Europe a simplified procedure for the submission of grant proposals through online web-forms and will also simplify grant opportunities for schools to take part in projects focusing on exchanges and mobility of pupils and staff.

In parallel, the Commission published today the Erasmus+ Programme Guide <http://ec.europa.eu/programmes/erasmus-plus/resources/programme-guide> in all official EU languages. The Programme Guide is the key document that provides applicants with full details of all opportunities available in the 2018 Call for proposals for Erasmus+.

Background

Erasmus+ is the EU's programme for mobility and transnational cooperation in the areas of education, training, youth and sport for the period 2014-2020, areas that are very important in building the future of young people and of Europe.

Education and youth work contribute to tackling the socio-economic challenges that Europe is currently facing, as well as to supporting the implementation of the European policy agenda for growth and jobs. They also have an important role in promoting social inclusion and common European values, by fostering social integration, enhancing intercultural understanding and a sense of European identity. In this context, Erasmus+ aims, as one of its general principles, to facilitate access to the programme for participants from all backgrounds, with a particular focus on individuals with social, economic, physical or geographic disadvantages.

For More Information

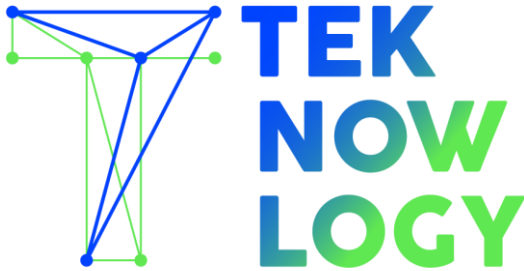
Erasmus+ Call for proposals and programme guide http://ec.europa.eu/programmes/erasmus-plus/resources_en
[Erasmus+](#)

National subsidy news

TEKNOLOGY: ontmoetingsplek voor innoverend Nederland (26 oktober 2017)

Bron: Website NWO_STW <http://www.stw.nl/nl/content/teknology-ontmoetingsplek-voor-innoverend-nederland>

Voor de eerste maal organiseert NWO-domein Toegepaste en Technische Wetenschappen het evenement TEKNOLOGY - NWO Innovation Festival. Op 9 november 2017 is dit dé plek waar innoverend Nederland samenkomt.



NWO Innovation Festival

TEKNOLOGY is de opvolger van het bekende STW-jaarcongres. Het evenement brengt technologie, wetenschap, innovatie en valorisatie samen. Op 9 november 2017 is TEKNOLOGY de ontmoetingsplek voor innoverend Nederland. Bezoekers kunnen zich onder meer verdiepen in de technische innovaties van de toekomst en de manier waarop de Nederlandse wetenschap zich daarop voorbereidt.

Verrassende maatschappelijke toepassing

Het festival biedt een programma vol (internationale) sprekers, workshops en inspirerende voorbeelden uit TTW-onderzoek. In de Open Mind-contest <http://www.stw.nl/nl/content/open-mind> strijden 15 teams

<https://www.youtube.com/playlist?list=PLKXP4zLipfzt97bLBw6b3xTtCitAbzd4O> (**NOTE PJ: waaronder Open Mind contender 2017:**

Smart sewerage by design for resource recovery - H.H.M. Rijnaarts, WUR, <https://www.youtube.com/watch?v=Zeo-EpiUfi0&list=PLKXP4zLipfzt97bLBw6b3xTtCitAbzd4O&index=8>) om het beste idee voor technologie met verrassende maatschappelijke toepassing. De vijf teams met de beste ideeën verdienen een onderzoeksbeurs van 50.000 euro om hun plannen verder te ontwikkelen. Speciale aandacht is er voor prof.dr. Andrew Webb, die de titel Simon Stevin Meester 2017 in ontvangst neemt.

Daarnaast mogen de bezoekers van TEKNOLOGY hun stem uitbrengen voor de Simon Stevin Gezel 2017 <http://www.stw.nl/nl/content/simon-stevin-gezel-2017>.

Demomarkt en keynotes

Op de demomarkt kunnen bezoekers ervaren hoe je beeldgeleide chirurgie uitvoert, een regenmeter maken met Rolf Hut en een schaalmodel bekijken van de Metronoom, een apparaat dat de werking van eb en vloed nabootst.

Keynotes zijn er van prof.dr. Nick Ramsey (UMC Utrecht) Yuri van Geest (Singularity University). Ramsey zal zijn inspirerende ideeën delen over het koppelen van de hersenen aan machines. Van Geest gunt ons een blik op de convergentie en symbiose van opkomende technologieën als ICT, biotech, AI, nanotech, robotica en 3D.

Registreren

Deelname aan TEKNOLOGY is kosteloos. Registratie en volledige programma op: www.teknology.nl.

Drie toekenningen Arctisch onderzoek voor de topsector Water (26 oktober 2017)

Bron: Website NWO Actueel Nieuws <https://www.nwo.nl/actueel/nieuws/2017/enw/drie-toekenningen-arctisch-onderzoek-voor-de-topsector-water.html>

Het Nederlands Polair Programma gaat met drie nieuwe projecten bijdragen aan de doelstellingen van de Topsector Water. De projecten gaan over Arctische waterstanden, buiswater en zeehonden.

De afspraken tussen het Nederlands Polair Programma en de Topsector Water waren al gemaakt toen Shell bekend maakte te stoppen met exploratie in het Noordpoolgebied. Die onverwachte beslissing en de onzekerheid die daarop volgde in het bedrijfsleven heeft het aantal aanvragen sterk afgeremd. Er werden uiteindelijk maar drie voorstellen ingediend. Deze waren echter alle drie van zeer hoge kwaliteit, **waardoor NWO in deze ronde een honoreringspercentage noteert van honderd procent**. NWO levert ruim acht ton euro en het bedrijfsleven ruim twee ton voor deze call.

1. **Forecast Arctic Surges and Tides for the Netherlands** Prof. dr. ir. M. Verlaan, TUD
2. **Spray water of jets from wave run-up against ship bows and steep walls** Prof. dr. ir. W.S.J. Uijtewaai, TUD

3. **An agent-based modelling tool to estimate the effect of retreating sea-ice and intensifying human activities on seals in the Arctic** *Dr. W.M. Mooij, NIOO*

Voor meer informatie over deze projecten: <https://www.nwo.nl/actueel/nieuws/2017/enw/drie-toekenningen-arctisch-onderzoek-voor-de-topsector-water.html>

Regional subsidy and innovation news

Agrifood krijgt toegang tot Brightlands-fonds (26 oktober 2017)

Bron: Website Provincie

Limburg https://www.limburg.nl/Actueel/Nieuws_en_persberichten/2017/Oktober_2017/Agrifood_krijgt_toegang_tot_Brightlands_fonds

Dit is een gezamenlijk persbericht van de Provincie Limburg, Rabobank Venlo, LIOF en Chemelot Ventures.

De landbouw is een economisch sterke sector in Limburg. Vernieuwende ondernemers in de agrifood-sector krijgen toegang tot Chemelot Ventures. Dat fonds verschaft kapitaal aan startende en snelgroeiende ondernemers op en rond de Limburgse Brightlands campussen. Het fonds gaat zich nu ook nadrukkelijk richten op agrifood.

De uitbreiding krijgt de vorm van een aparte entiteit, **Brightlands Agrifood Ventures**, die wordt beheerd door Chemelot Ventures. Dit fonds is in 2014 opgericht door de Provincie Limburg, DSM, LIOF en de Rabobank voor ondernemers in chemie en materialen (Brightlands Chemelot Campus) en gezondheid (Brightlands Health Campus Maastricht). **Nu de Brightlands Campus Greenport Venlo van start is gegaan wordt ook de agrifood-sector aangesloten.**

Brightlands Agrifood Ventures heeft bij de oprichting een omvang van ruim € 17 miljoen, gevoed door de Rabobank Venlo (€ 5 miljoen), de Provincie Limburg (€ 5 miljoen) en LIOF (€ 1 miljoen). Het fondsmanagement draagt zelf ook bij. Verder heeft de Rijksdienst voor Ondernemend Nederland (RVO) een bedrag van € 6 miljoen toegezegd in het kader van de zogeheten Seedcapitalregeling. Vandaag hebben de betrokken partijen op de Brightlands Campus Greenport Venlo hun handtekening gezet onder de uitbreiding van het fonds. Bij die uitbreiding is tevens bepaald dat het fonds het komend jaar open zal staan voor het toetreden van andere investeerders.

Economiegedeputeerde Twan Beurskens en landbouwgedeputeerde Hubert Mackus: *“Door de groei van de Brightlands Campus Greenport Venlo was te voorzien dat ook het innovatieve midden- en kleinbedrijf behoefte heeft aan risicokapitaal. Daarom investeert ook de Provincie in de uitbreiding van dit fonds.”*

Chemelot Ventures verwacht dat het agrifood-fonds investeert in acht tot tien technologische startups in de agrifood, die een sterke link hebben met de Brightlands Campus Greenport Venlo. Het fonds concentreert zich onder andere op innovaties op het gebied van gewasbescherming en –optimalisatie, zaadverbetering, precisielandbouw, het waardevol maken van afval uit de land- en tuinbouw en gezonde voeding.

Directievoorzitter Jacques van der Linden van de Rabobank Venlo en omstreken: *“Rabobank Venlo is ervan overtuigd dat via deze investering een impuls wordt gegeven aan de innovatie in de agrifood sector. Daarnaast kan er veel waardevolle kennis worden uitgewisseld met de investeringstak van de Rabobank, Rabo Private Equity, die tevens in andere Nederlandse en Internationale agrifood gerelateerde fondsen investeert.”*

Chemelot Ventures is de opvolger van het in 2004 opgerichte Limburg Ventures dat een omvang had van circa € 15 miljoen en ruim 20 investeringen heeft gerealiseerd. Chemelot Ventures is opgericht in 2014 met een kapitaal van € 40 miljoen en heeft sindsdien 12 investeringen gerealiseerd. Met de uitbreiding naar agrifood (€ 17 miljoen) bedient het fonds nu ondernemers op of om drie Brightlands-campussen in Geleen (Brightlands Chemelot Campus), Maastricht (Brightlands Maastricht Health Campus) en Venlo (Brightlands Campus Greenport Venlo).

[www.chemelotventures.com](http://chemelotventures.com/) <http://chemelotventures.com/>

[www.brightlandsagrifoodventures.com](http://brightlandsagrifoodventures.com) <http://chemelotventures.com/brightlands-agrifood-ventures/>

EU R&D and innovation policy

De stand van data-innovatie in de EU (27 oktober 2017)

Bron: AWTI e-mail alert 27 oktober 2017

Een rapport van de denktank Center for Data Innovation rangschikt de 28 lidstaten van de EU naar hun prestaties op het gebied van data-innovatie. Hierbij is gebruik gemaakt van een verscheidenheid aan indicatoren, zoals het beleid inzake open data, digitale vaardigheden en het gebruik van datagestuurde technologieën in de industrie. In de rangschikking staat Nederland, na Denemarken en Finland, op plaats 3. Het rapport geeft aan waarom sommige landen voorop lopen en wat landen kunnen doen om hun achterstand op bepaalde punten in te halen.

Nieuwsbericht Center for Data Innovation: <https://www.datainnovation.org/2017/10/the-state-of-data-innovation-in-the-eu-2/>

Rapport Center for Data Innovation (pdf): <http://www2.datainnovation.org/2017-data-innovation-eu.pdf>

Presentatie Rapport Center for Data Innovation (YouTube):

https://www.youtube.com/watch?v=pFiLN9BCb7Y&feature=youtu.be&utm_source=emailnieuwsbrief&utm_medium=email&utm_campaign=AWTI+e-mail+alert

Zorgvuldig omgaan met onderzoeksinfrastructuren in onderzoeks- en innovatiebeleid (27 oktober 2017)

Bron: AWTI e-mail alert 27 oktober 2017

De afgelopen weken verschenen twee rapporten over de Europese onderzoeksinfrastructuur. Een rapport van een werkgroep van het European Strategic Forum for Research Infrastructures (ESFRI) stelt dat het onderzoeks- en innovatiebeleid veel meer oog moet hebben voor de beschikbaarheid en houdbaarheid van de Europese onderzoeksinfrastructuren op de lange termijn. Het doet aanbevelingen voor onder andere betere integratie van de verschillende infrastructuren en betere aansluiting bij innovatie. Een rapport van een werkgroep van Science|Business zet uiteen aan welke eisen de Europese 'Open Science Cloud', die momenteel wordt ontwikkeld, zou moeten voldoen. Het gaat onder andere om het aansluiten bij de behoeften van de wetenschap en de diversiteit in wetenschappelijke disciplines. Ook geeft het rapport adviezen over de bestuurlijke structuur.

Rapport ESFRI (pdf): http://www.esfri.eu/sites/default/files/u4/ESFRI_SCRIPTA_VOL2_web.pdf

Rapport Science|Business (pdf):

<https://sciencebusiness.net/system/files/reports/Governing%20the%20European%20Open%20Science%20Cloud%20v5.pdf>

EU research spending should be 'significantly increased', report to parliament says (26 October 2017)

Source: Science|Business Bulletin No. 535

Boost in post-Brexit budget would be financed from cuts to farmers and regional authorities - and a raft of new taxes. Spending on research should be 'significantly increased' in the next common EU budget, according to a new briefing for MEPs. The report by deputy director of the Austrian Institute of Economic Research Margit Schratzenstaller-Altzinger, lays out ideas for a discussion among MEPs in drawing up the new trillion euro budget multi-year financial framework, which is now expected to happen in May 2018.



The parliament's budget committee has commissioned four briefings looking ahead to the post-2020 future, with two more to be published in November. "Research has real added value when it's funded by the EU," said Schratzenstaller-Altzinger told Science|Business. "Because the funding allows researchers to collaborate across borders and build networks. Agriculture, on the other hand, doesn't necessarily need to be funded at EU level."

The common EU budget is dominated by **agricultural spending**, which consumes a decreasing but still substantial share of **39 per cent of overall spend**, and by **regional funding**, which accounts for **34 per cent**.

At 13 per cent, an increasing amount of the EU budget is dedicated to **competitiveness and infrastructure targets**, including research, which accounts for about 8 per cent of EU spending. This is only "a moderate share", the report says.

To rebalance the budget, spending on research and innovation should go up, with a particular focus on “environmentally and socially relevant” projects, the report says. A disclaimer in the briefing says that some of the author’s funding comes from the EU’s Horizon 2020 programme. The recommendation follows an earlier **report by former World Trade Organisation** head and EU trade commissioner, **Pascal Lamy**, in which he calls for the Commission to double spending on research and innovation.

Farming under pressure

Schatzenstaller-Altzinger argues existing programmes be cut to free up funds. The amount of agricultural subsidies received by wealthy countries such as France and Germany should be “*reduced significantly*”. A big share of the €58 billion per annum Common Agricultural Policy income support to farms is unconditional, meaning that it only has limited power to nudge farmers into more environmentally friendly practice.

The report is in line with a proposal from European parliament president Antonio Tajani to cut the sum devoted to farmers in favour of issues such as security and immigration. **Several figures likely to have a big influence on the next budget have also called for radical reform of agricultural policy.** These include the staunchly Europhile French president Emmanuel Macron, whose country is usually the biggest backer of farm subsidies, and **EU Budget Commissioner Günther Oettinger, who has also said that research is the only programme he would like to spare from cuts.** The report also suggests cutting regional funds for richer countries and investing significantly more in energy and transport infrastructure.

New taxes

The annual EU budget, of between €140 billion to €150 billion a year, represents roughly 1 per cent of the EU’s collective income, with 80 percent financed directly by EU countries. **The UK’s departure in 2019, will blow a hole of €9 billion to €12 billion in the EU’s budget.** While the European Commission has not yet figured out whether and how to plug the gap, the report suggests new taxes on the 27 remaining EU countries. These could include an **EU-wide carbon-based airlight ticket tax; a carbon border adjustment tax; a fuel tax; a net wealth tax; a financial transactions tax; or a common corporate tax base.** The EU does not currently have the power to control national tax rates, and any change to this would require a unanimous vote by all members.

The idea of a common tax base is a touchy subject for several member states, but with the UK leaving, the EU is losing “*one of the most vehement opponents of tax coordination on the EU level*”, the report says.

Onderwijs en onderzoek geringe rol in Commissie Werkprogramma 2018 (26 oktober 2017)

Bron: Neth-ER Nieuwsbrief week 43

Onderwijs en onderzoek komen niet expliciet aan bod in het werkprogramma van de Europese Commissie voor 2018. Wel komt naar voren dat de Commissie van plan is het Meerjarig Financieel Kader post 2020 en de bijbehorende programma's tot en met 2025 te laten lopen. Ook is er aandacht voor het verder ontwikkelen van de *New Skills Agenda*, de *Industrial Policy Strategy* en de *Digital Single Market*.

Onderwijs, onderzoek en innovatie komen nauwelijks naar voren

De Commissie komt niet met nieuwe initiatieven op het gebied van onderwijs, onderzoek en innovatie in haar werkprogramma voor 2018 https://ec.europa.eu/info/sites/info/files/cwp_2018_en.pdf. Wel komen gerelateerde onderwerpen aan bod in het programma. Zo beoogt de Commissie in de tweede helft van 2018 te komen met het voorstel voor het Meerjarig Financieel Kader na 2020. Het toekomstige MFK zal een looptijd tot 2025 hebben. Kort na de publicatie van dit voorstel volgen ook de voorstellen voor de programma's na 2020, waaronder KP9 en de opvolger van Erasmus+. Het is waarschijnlijk dat deze nieuwe programma's ook een looptijd van vijf jaar zullen hebben. Ook zal er in 2018 veel aandacht worden besteed aan het stimuleren van werkgelegenheid, groei en investeringen, door het bevorderen van innovatie met behulp van de *Industrial Policy Strategy*. Daarnaast zal er veel aandacht zijn voor vaardigheden door het implementeren van de *New Skills Agenda* op landelijk en regionaal niveau met behulp van het Europees Sociaal Fonds (ESF).

Digitalisering en schone energie

Daarnaast staan de *Digital Single Market* en *cybersecurity* centraal in 2018. Verder is er veel aandacht voor innovaties op het gebied van schone en duurzame energie. Zo staat er een mededeling op de agenda over de toekomst van het EU energie- en klimaatbeleid, waarin ook de toekomst van het Euratom Verdrag besproken zal worden.

Betere regelgeving en implementatie in een sterkere en meer democratische Unie

In het werkprogramma komen drie doelen naar voren waar de Commissie in 2018 op wil focussen: een democratischere EU, een sterkere EU en een meer verenigde EU. Zo moet de effectiviteit van Europese politieke partijen bijvoorbeeld worden verbeterd. Ook zal er in 2018 veel aandacht zijn voor de *Better Regulation Agenda*, waarvoor de Commissie een apart document https://ec.europa.eu/info/sites/info/files/completing-the-better-regulation-agenda-better-solutions-for-better-results_en.pdf publiceerde. Deze agenda moet ervoor zorgen dat er meer duidelijkheid en transparantie komt in de EU-wetgeving.

Context

In het Commissie Werkprogramma 2018 met de titel ‘*An agenda for a more united, stronger and more democratic Europe*’ geeft de Commissie aan waar zij in 2018 aandacht aan zal besteden en welke voorstellen op tafel zullen komen te liggen. Het werkprogramma bouwt voort op de *roadmap* die gepresenteerd werd door EC-voorzitter Jean-Claude Juncker in zijn State of the Union-speech. Ook staat het in het teken van het uitwerken van de tien prioriteiten <https://ec.europa.eu/avservices/photo/photoByPriorities.cfm?sitelang=en> van Juncker uit 2014.

Meer informatie:

Publicatie Commissie https://ec.europa.eu/info/sites/info/files/cwp_2018_en.pdf: *Commission Work Programme 2018*

Publicatie Commissie https://ec.europa.eu/info/sites/info/files/completing-the-better-regulation-agenda-better-solutions-for-better-results_en.pdf: *Completing the Better Regulation Agenda: Better solutions for better results*

EIT-model blijft relevant 2018 (26 oktober 2017)

Bron: Neth-ER Nieuwsbrief week 43

Het model van het European Institute of Innovation and Technology (EIT), gebaseerd op de kennisdriehoek, blijft relevant en is geschikt om Europese uitdagingen aan te gaan. Dit blijkt uit de tussentijdse evaluatie van het EIT. Wel worden er in het rapport aanbevelingen gedaan voor verdere verbetering van het instituut.

EIT nog steeds relevant

Het model van het *European Institute of Innovation and Technology* (EIT) blijft relevant en draagt bij aan het aanpakken van Europese uitdagingen. Dit blijkt uit de tussentijdse evaluatie van het *European Institute of Innovation and Technology (EIT)* https://ec.europa.eu/education/sites/education/files/2017-eit-interim-evaluation_en.pdf, die is uitgevoerd in opdracht van de Europese Commissie. Het EIT-model, gebaseerd op de integratie van de kennisdriehoek bestaande uit hoger onderwijsinstellingen, onderzoeksinstellingen en bedrijven, heeft als hoofddoel Europese innovatie te bevorderen. De benadering van het EIT waarbij verschillende kennisinstanties in netwerken met elkaar verbonden worden, draagt bij aan de totstandkoming van nieuwe gemeenschappen en het naar de markt brengen van innovatie.

Verbeterpunten

Ondanks dat het EIT-model als relevant beschouwd wordt, **valt er nog wel vooruitgang te boeken**. Zo moeten het EIT en de Commissie consensus bereiken over de verschillende doelstellingen die het EIT zou moeten bereiken en moeten deze **doelstellingen beter meetbaar gemaakt worden**. Bovendien moet de communicatiestrategie van het EIT herzien worden, om de bekendheid van het EIT en haar bereikte resultaten te vergroten, blijkt uit het rapport. Ook moeten het EIT en haar *Knowledge and Innovation Communities* (KIC's) beter samenwerken om het selectieproces van innovatieprojecten transparanter te maken. Verder kunnen het EIT en de KIC's *good practices* en bereikte resultaten beter promoten om de zichtbaarheid van het EIT te vergroten, zowel binnen de Europese Commissie als op nationaal niveau. Tot slot moet het EIT zich meer focussen op haar positie als overkoepelend Europees orgaan en haar vermogen om innovatie-uitdagingen aan te pakken, aangezien het EIT een cruciale rol kan spelen in het versterken van verbindingen tussen Europese innovatiespelers.

Context

Het EIT is opgericht in 2008 met als doel de samenwerking tussen universiteiten, bedrijven en onderzoeksinstellingen te stimuleren. Het instituut is het enige Europese initiatief dat gebruik maakt van de kennisdriehoek die onderwijs, onderzoek en innovatie combineert. Het EIT maakt gebruik van *Knowledge and Innovation Communities* (KICs) om haar doelen te bereiken en beoogt in 2018 twee nieuwe KIC's te lanceren. De tussentijdse evaluatie, waarin het EIT in de jaren 2011 tot 2015 wordt geëvalueerd, zal worden meegenomen in de *Strategic Innovation Agenda* van het EIT (2021-2027). Hierin wordt de toekomstige strategie van het EIT uiteengezet.

Meer informatie:

Publicatie Europese Commissie https://ec.europa.eu/education/sites/education/files/2017-eit-interim-evaluation_en.pdf: *Evaluation of the European Institute of Innovation and Technology (EIT)*

Tallinn roept op tot actie voor Onderzoek & Innovatie in Europa (26 oktober 2017)

Bron: Neth-ER Nieuwsbrief week 43

Er moet meer geïnvesteerd worden in onderzoek en innovatie (O&I) in toekomstige Europese en nationale beleidsstrategieën. Dit staat in het statement van het Estse voorzitterschap waarbij tot actie wordt opgeroepen. Daarnaast stellen de Esten dat de impact van O&I moet worden vergroot en het publiek beter moet worden betrokken.

O&I moet een prioriteit worden

Onderzoek en innovatie (O&I) moeten centraal staan in toekomstige nationale en Europese strategieën, laat het Estse voorzitterschap weten in de *Tallinn Call for Action* https://www.hm.ee/sites/default/files/tallinn_call_for_action_2017.pdf. Hierin worden drie prioriteiten voor O&I genoemd. Onderzoek en innovatie moeten vooropgesteld worden in beleidsvorming en meer investeringen moeten worden gegarandeerd. Daarnaast moet er meer budget worden vrijgemaakt voor O&I, zowel op nationaal als EU-niveau. Belangrijk is ook de voltooiing en versterking van de *European Research Area* (ERA) en het creëren van pan-Europese impact door het stimuleren van openheid.

Impact van O&I moet zichtbaar worden

Meer aandacht voor O&I-investeringen moet zorgen voor meer impact. Beleidsmakers kunnen bijvoorbeeld de sociale waarde van onderzoek beter erkennen en het beleid moet worden gestroomlijnd zodat de beschikbare middelen optimaal gebruikt kunnen worden. Verder kunnen er meer mogelijkheden worden gecreëerd voor (jong) talent om aan de slag te gaan met O&I. Daarnaast moet er meer vertrouwen komen tussen onderzoek en de samenleving. Dit kan door betere communicatie van onderzoeksresultaten en het betrekken van het publiek in toekomstige projecten.

Context

Het statement is een opsomming van drie prioriteiten met bijbehorende aanbevelingen, gebaseerd op uitkomsten van eerdere bijeenkomsten en onderzoeken en de recent voorzitterschapsconferentie 'European Research Excellence - impact and value for society'. Het Ests voorzitterschap heeft als één van haar prioriteiten een open en innovatief Europa, waarbij ook het belang wordt benadrukt van de maatschappelijke invloed van onderzoek. Ook werd al eerder tijdens de Raad van Concurrentievermogen overeengekomen dat het Europees O&I-beleid gestroomlijnd moest worden.

Meer informatie

Publicatie Ests voorzitterschap https://www.hm.ee/sites/default/files/tallinn_call_for_action_2017.pdf: Tallinn call for action 2017

Europe's university leaders call for urgent Brexit clarification (25 October 2017)

Source Website Universities UK: <http://www.universitiesuk.ac.uk/news/Pages/Europe%E2%80%99s-University-Leaders-Call-for-Urgent-Brexit-Clarification.aspx>

Leaders of European higher education bodies have signed a statement calling on governments across Europe to speed up Brexit negotiations so talks can begin over the future of European research, collaboration, and student mobility.



The statement from **22 representative organisations of universities (Note PJ: also VSNU)** and national rectors' conferences from across Europe asks for clarification on arrangements for the European Research and Innovation programme – Horizon 2020 – and the Erasmus+ exchange programme after March 2019 when the UK is due to leave the European Union.

Research and higher education will be discussed in the second phase of Brexit negotiations, which are expected to start following the conclusion of the first phase of discussions. The European Council Summit concluded on 20 October 2017 that not enough progress had been made to start the second phase. The delay in the negotiations extends the uncertainties that the higher education sector is facing.

Professor Janet Beer, President of Universities UK and Vice-Chancellor of Liverpool University, says the lack of clarity is causing problems for universities now:

"We are now entering the period in which universities need to be finalising their research, collaboration and student exchange programmes for 2019. There is an urgent need for clarity on the UK's participation in Horizon 2020 beyond Brexit. This scheme enhances the impact of our research by providing access to vital networks, talent and funding. Without clarity, the risk is that important European research programmes could stall.

"The arrival on campuses across Europe of students hoping to study abroad in 2019 increases the need to know whether the UK will or will not be able to continue to take part in Erasmus+. Participation in outward mobility schemes, such as Erasmus+, has major benefits for students, universities and employers."

Full statement:

Higher education, research and innovation are critical to the future of Europe. Conditions favourable to close cooperation and exchange are crucial to knowledge development in the interests of our societies. Universities call on the leaders of our respective governments and on the European Commission to accelerate the process of reaching agreement on the UK's continued participation in, and contribution to, Horizon 2020 and Erasmus+ to the end of these programmes. Clarification is now urgent: European consortia are already being formed and bids designed ready to be submitted after March 2019. Similarly, students arriving on campus this autumn and planning a period abroad as part of their studies need clarity on whether they can participate in Erasmus+ mobility involving UK partners from 2019 onwards.

The time has come for clarity and agreement in this important area. Universities must know which, if any, measures they need to undertake in the future to enable their students to thrive and their researchers to continue their innovative research. We urge you to address these pressing issues.

For an overview of the 22 organisations which signed click here: <http://www.universitiesuk.ac.uk/news/Pages/Europe%E2%80%99s-University-Leaders-Call-for-Urgent-Brexit-Clarification.aspx>

Top scientist sounds warning: UK will not get EU R&D funding without freedom of movement for citizens (25 October 2017)

Source: Science|Business Bulletin No. 535

The three-year Swiss-EU dispute over immigration should not leave ‘any doubt’ that EU will make no concessions to UK in Brexit talks, says ERC Council member, Athene Donald. The swift move by Brussels to cut off science funding to Switzerland when it proposed to impose controls on the free movement of EU citizens shows the determination of the EU27 to do the same to the UK if it does not allow free movement after Brexit, warns Athene Donald, a member of the European Research Council (ERC) governing body.

Donald, who is professor of experimental physics at Cambridge University, Master of Churchill College Cambridge and a leading scientific voice in the UK, was reacting on Monday to a recent warning from the Commission that the UK would “*cease to be eligible to receive EU funding*” or may be required to leave some projects without a new bilateral science agreement after Brexit.

Although UK-based researchers are still eligible to apply for EU grants, and the UK government has pledged to guarantee funding for UK applicants who submit proposals before March 2019, the official Brexit date, the notice states that “*the eligibility criteria must be complied with for the entire duration of the grant.*”

“*It was an explicit warning shot,*” said Donald in a lecture at the Cambridge University Festival of Ideas on ‘UK research in troubled political times’ published on the university’s website <http://www.cam.ac.uk/research/discussion/opinion-uk-research-in-troubled-political-times> . “*No one should be in any doubt that the EU is prepared to enforce this ruling. It did it before when Switzerland’s own referendum meant that workers from Croatia were not freely able to enter the country, and it took quite a lot of fudging to resolve that.*”

The row over immigration between the EU and Switzerland, which is the most successful non-EU country at winning grants in Brussels, started in 2014 and lasted almost three years. Swiss researchers were initially locked out of Horizon 2020 competitions, including the ERC, but were later invited to submit proposals for competitions, so long as the Swiss government covered their funding. The UK has prepared for a similar guarantor-arrangement. A UK government statement issued last Friday said, “*Even if UK partners cannot continue to receive funding from the European Commission, the UK government has guaranteed funding for successful bids submitted by UK participants before departure, including those that are successful afterwards.*”

What the Swiss dispute revealed is the stubbornness of Brussels on free movement rules. There is a hard task ahead for a British government that has promised immigration curbs, said Georg Lutz, professor of political science at the University of Lausanne. “*Our country thought, ‘oh well, we can limit immigration and the EU will accept it’. But it didn’t play out like that. The EU held a consistent line before, during and after the negotiations that [the idea] was unacceptable. They didn’t blink; they didn’t want to create a precedent for other countries,*” Lutz said.

A compromise was eventually found in December 2016. “*It would be nice to think that a similar degree of pragmatism might apply to save the UK’s scientific research bacon, but it isn’t clear that this will happen,*” Donald said.

Donald, one of 22 top scientists in Europe responsible for setting the ERC’s scientific direction, has repeatedly warned about the impact of Brexit, calling it “*extremely bad for science.*”

Special designation for researchers

Finding agreement on a special free movement deal for scientists, but not the rest of the population, would be “*tricky*”, if not unworkable, said Donald. “*Immigration is an emotive subject, and it is hard to envisage a scheme that enabled scientists to travel across EU borders freely while preventing other workers from sharing that luxury,*” she said.

Martin Selmayr, the chief of staff to the EU Commission President, has previously said the proposal would not be accepted. Restrictions on the ability of scientists to come and go will harm UK science, Donald said. “*Science thrives on easy mobility... It has to be expected that the UK’s leading role in science, where we punch far above our weight, is likely to be significantly and negatively impacted by the loss of easy researcher mobility.*”

National R&D and innovation policy news

Meer uitgaven aan onderzoek en ontwikkeling in 2016 (27 oktober 2017)^{d?}

Bron: Website CBS nieuws <https://www.cbs.nl/nl-nl/nieuws/2017/43/meer-uitgaven-aan-onderzoek-en-ontwikkeling-in-2016>

Bedrijven, instellingen en het hoger onderwijs gaven in 2016 bijna 14,3 miljard euro uit aan eigen Research en Development (R&D). Zo groot waren deze uitgaven nog niet eerder. Noord-Brabant is koploper qua private R&D-uitgaven. Ook besteden Nederlandse bedrijven steeds meer R&D uit in het buitenland. Dit blijkt uit nieuwste cijfers van het CBS over R&D en uit de recent verschenen Internationaliseringsmonitor.

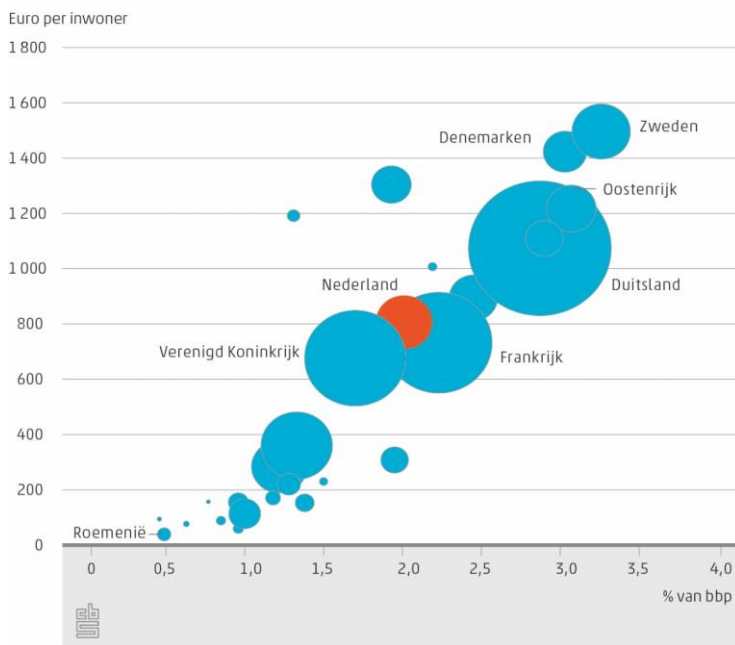
In 2016 zijn de uitgaven van bedrijven, instellingen en het hoger onderwijs aan (eigen) R&D met **ruim 4 procent gegroeid**. Vooral bedrijven spendeerden meer aan R&D. Deze uitgaven namen ten opzichte van 2015 met 462 miljoen toe en kwamen uit op 8,1 miljard euro. **Ook instellingen en het hoger onderwijs gaven meer uit aan R&D. Deze groei was, met 2 procent, bescheidener.** Niet alleen de uitgaven aan R&D zijn gegroeid, ook het aantal arbeidsjaren dat hiermee is gemoeid nam toe, en wel tot ruim 133 duizend arbeidsjaren (3 procent).

R&D-intensiteit Nederland stabiel

Het is gebruikelijk om R&D-uitgaven af te zetten tegen het bruto binnenlands product. **De R&D-intensiteit kwam in 2016 uit op 2,03 procent.** De R&D-intensiteit is daarmee vrijwel even groot als in 2015 en 2014 (beide jaren 2 procent), maar hoger dan in de jaren daarvoor (1,9 procent). **De ambitie van het kabinet is een R&D-intensiteit van 2,5 procent.**

Met een R&D-intensiteit van 2 procent scoort Nederland rond het Europees gemiddelde. Landen als Zweden, Denemarken en Oostenrijk besteden een vergelijkbaar bedrag aan R&D als Nederland, maar afgezet tegen het bbp is de R&D-intensiteit in deze landen groter. Het Verenigd Koninkrijk en Italië geven meer uit aan R&D, maar de R&D-intensiteit is kleiner dan in Nederland.

R&D uitgaven, absoluut, relatief en per inwoner, 2015



Bron: Eurostat.

Noot: Grootte van de bel zijn de absolute R&D-uitgaven in miljoenen euro's.

Bedrijven laten meer R&D uitvoeren in het buitenland

Bedrijven kunnen hun productieproces opknippen en delen daarvan elders in de wereld opzetten. Dit kan ook gebeuren met de kennisintensieve delen van het proces of zelfs met een hele R&D-afdeling. De R&D-uitgaven van Nederland in het buitenland zijn tussen 2014 en 2016 met bijna een derde toegenomen, van bijna 1,5 miljard euro in 2014 naar 2,2 miljard euro in 2016. Bedrijven nemen het merendeel van de uitbestede R&D in het buitenland voor hun rekening.

Nederland ontvangt ook steeds meer R&D-gelden uit het buitenland. In 2014 ging het om 1,7 miljard euro, in 2016 2,2 miljard euro. Daarmee is ongeveer een zesde van de totale R&D-uitgaven in Nederland vanuit het buitenland gefinancierd. Nederland ontving vorig jaar dus vrijwel evenveel R&D-gelden uit het buitenland als het in het buitenland besteedde. Wel is er een duidelijk verschil tussen de R&D-bestedingen in het buitenland van het bedrijfsleven enerzijds en instellingen en hoger onderwijs anderzijds. Het Nederlandse bedrijfsleven besteedt netto fors meer R&D uit in het buitenland, terwijl Nederlandse instellingen en hoger onderwijs netto-ontvanger zijn van R&D-gelden uit het buitenland.

In het buitenland uitbestede en uit het buitenland ontvangen R&D gelden



Noord-Brabant koploper private R&D- uitgaven

Circa 30 procent van de private R&D-uitgaven komt voor rekening van bedrijven in Noord-Brabant. Samen met Zuid-Holland zijn bedrijven in deze twee provincies goed voor bijna de helft van de private uitgaven aan R&D. Noord-Holland staat op de derde plek. In de regio Zuidoost-Noord-Brabant, de regio rond Eindhoven, is de R&D-activiteit van bedrijven het grootst. Daar is ruim 1,5 miljard euro besteed aan eigen R&D, en daar zijn 13 duizend arbeidsjaren bij ingezet. Binnen Noord-Holland is de regio Groot-Amsterdam dominant. Ongeveer de helft van R&D-activiteiten van bedrijven in Noord-Holland vindt in die regio plaats. Groot-Rijnmond en de agglomeratie 's-Gravenhage zijn samen goed voor bijna de helft van de R&D-activiteiten van bedrijven in Zuid-Holland. In Groningen, Drenthe en Zeeland zijn de R&D-uitgaven afgezet tegen het bruto regionaal product het laagst.

Bronnen

- **StatLine - Research en development; kerncijfers per sector van uitvoering**
<http://statline.cbs.nl/Statweb/publication/?DM=SLNL&PA=82012NED&D1=a&D2=a&D3=a&VW=T>

Relevante links

- **Publicatie - Internationaliseringsmonitor derde kwartaal 2017** <https://www.cbs.nl/nl-nl/publicatie/2017/39/internationaliseringsmonitor-2017-derde-kwartaal>

Living labs maken de verwachtingen nog niet waar (27 oktober 2017)

Bron: AWTI e-mail alert 27 oktober 2017

Living labs zijn initiatieven waarin overheden, bewoners, kennisinstellingen, ondernemers en anderen op lokaal niveau gezamenlijk oplossingen zoeken voor maatschappelijke vraagstukken. In de praktijk blijkt dat echter (nog) niet goed te lukken, concludeert een onderzoek van het Rathenau Instituut. De Living Labs zijn ook te weinig bezig met het verzamelen, vastleggen en delen van kennis. Het Amerikaanse Metrolab noemt tien principes voor de samenwerking tussen steden en universiteiten in living labs.

Nieuwsbericht Rathenau <https://www.rathenau.nl/nl/nieuws/living-labs-vooral-nog-lokale-beloftes> ?

Rapport Rathenau <https://www.rathenau.nl/nl/file/61621>

Artikel Metrolab https://metrolabnetwork.org/primer/?utm_source=e-mailnieuwsbrief&utm_medium=email&utm_campaign=AWTI+e-mail+alert

Ministerie voor Infrastructuur raakt ook ruimtelijke ordening kwijt (26 oktober 2017)

Bron: Financiële Dagblad 26 oktober 2017

Het ministerie voor Infrastructuur en Milieu raakt niet alleen grote delen van het milieubeleid, voor zover dat raakt aan het klimaat, kwijt aan het versterkte ministerie Economische Zaken en Klimaat. Het moet ook ruimtelijke ordening afstaan aan het ministerie van Binnenlandse Zaken waar straks ook Wonen in opgaat. Dat blijkt uit het eindverslag van formateur Mark Rutte, die donderdag samen met 15 ministers en 8 staatssecretarissen wordt beëdigd.

Zijn eindverslag <https://www.kabinetsformatie2017.nl/nieuws/nieuws/2017/10/25/formateur-rutte-biedt-eindverslag-aan> bevat geen grote verrassingen meer nadat vrijdag al de definitieve samenstelling van de kandidatenlijst werd gepubliceerd. Alleen dat VVD'er Mark Harbers, staatssecretaris van Justitie en Veiligheid, zich in het buitenland minister van Migratie mag noemen is nog een nieuwe toevoeging. Ook de toenmalige staatssecretaris van Buitenlandse Handel mocht zich in het buitenland minister noemen. Al eerder was duidelijk dat drie ministeries van naam veranderen. Economische Zaken krijgt er Klimaat bij, onder leiding van Eric Wiebes. Veiligheid en Justitie wordt Justitie en Veiligheid, geleid door CDA'er Ferdinand Grapperhaus. Infrastructuur en Milieu wordt Infrastructuur en Waterstaat, geleid door VVD'er Cora van Nieuwenhuizen. Verder komt er een nieuw ministerie van Landbouw, Natuur en Voedselkwaliteit dat door Carola Schouten van de ChristenUnie wordt aangevoerd.

Op Economische Zaken gaat Wiebes behalve klimaat en gaswinning ook innovatie en topsectorenbeleid doen. Staatssecretaris Mona Keijzer (CDA) krijgt Mededinging, consumenten, regeldruk, MKB, telecom en post in portefeuille.

Er zijn straks ook vier ministers 'zonder portefeuille', zoals dat grondwettelijk heet, ook al krijgen ze wel de politieke verantwoordelijkheid voor een beleidsterrein. Behalve de minister voor Ontwikkelingssamenwerking en Buitenlandse Handel op het departement van Buitenlandse Zaken, zijn dat ministers voor Rechtsbescherming bij Justitie en Veiligheid, voor Medische Zorg op Volksgezondheid, Welzijn en Sport en voor Basis- en Voortgezet Onderwijs en Media op het Ministerie van Onderwijs Cultuur en Wetenschap.

Global innovation news

Innovatie-economie is voor alle landen in de wereld een uitdaging (27 oktober 2017)

Bron: AWTI e-mail alert 27 oktober 2017

Door de opkomst van nieuwe technologieën veranderen hele economieën en arbeidsmarkten. Een artikel van **HowlingPixel** beschrijft de vele economische theorieën hierover, waarbij het voorkomen van 'technologische werkloosheid' voorop staat. Een paper van de **OESO** zet uiteen hoe landen met de **grote veranderingen in mondiale waardeketens (global value chains; GVCs)**, als gevolg van de opkomst van nieuwe technologieën, zouden moeten omgaan. Een artikel op de economie-website Vox kijkt specifiek naar de mogelijke gevolgen voor (het economisch beleid van) ontwikkelingslanden. Een artikel van **Livemint gaat in op India**, dat nu nog een grote rol speelt in **ict-waardeketens**. Volgens het artikel moet India vooral werken aan meer ondernemerschap en risicobereidheid onder de bevolking. De AWTI werkt momenteel aan een landendocument over India op het gebied van wetenschap en innovatie. Volgens een uitzending van het VRT Journaal is een gebrek aan ondernemerschap en risicobereidheid ook een probleem in China. Opvallend is dat desondanks de omvang van '**venture capital**' (**vc**) in **China**, toch een teken van risicobereidheid, sterk toeneemt. Volgens een bericht van **VentureBeat evenaart de Chinese vc-markt qua grootte inmiddels die van de VS**. Volgens een artikel van **MIT Technology Review** loopt **China op het gebied van AI** zelfs zo ver voor op de rest van de wereld, dat het westen de achterstand alleen nog maar kan inhalen door China te kopiëren.

Artikel HowlingPixel https://howlingpixel.com/wiki/Technological_unemployment

Rapport OESO http://www.oecd-ilibrary.org/science-and-technology/investing-in-innovation-and-skills_9e296b43-en

Artikel Vox <http://voxeu.org/article/industrial-robots-and-inclusive-growth>

Artikel Livemint <http://www.livemint.com/Opinion/L3zDW9CnCKygeZzmk5oCgl/What-will-it-take-for-India-to-accelerate-innovation.html>

Uitzending VRT <https://www.vrt.be/vrtnws/nl/2017/10/17/-onwaarschijnlijk-dat-china-een-echt-innovatieve-economie-zal-kr/>

Nieuwsbericht VentureBeat <https://venturebeat.com/2017/10/14/china-now-rivals-u-s-in-vc-investments/>

Artikel MIT Technology Review <https://www.technologyreview.com/s/609038/chinas-ai-awakening/amp/>

Frankrijk en VS leiden top 25 Universities of Science and Technology U-Multirank (27 oktober 2017)

Bron: AWTI e-mail alert 27 oktober 2017

U-Multirank heeft een Universities of Science and Technology Rankings gepubliceerd. Hierin worden 231 instellingen uit de hele wereld met elkaar vergeleken. De top 25 komt uit 12 landen. Franse instellingen nemen zes topposities in, Amerikaanse vijf. Slechts één universiteit heeft 'A'-scores op alle indicatoren voor onderzoek en kennisoverdracht: het Georgia Institute of Technology. De TU Delft staat op 7, waarbij twee studierichtingen alleen maar A's hebben: werktuigbouwkunde en elektrotechniek. De TU/e staat op 24.

Bericht University World News http://www.universityworldnews.com/article.php?story=20171013091006271&utm_source=emailnieuwsbrief&utm_medium=email&utm_campaign=AWTI+e-mail+alert

Universities of Science and Technology Rankings: Institutional

http://www.umultirank.org/#!/readymade?trackType=illustrative&sight&utm_source=emailnieuwsbrief&utm_medium=email&utm_campaign=AWTI%2Be-mail%2Balert&name=null

Wageningen University & Research related Events

Events

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: <http://ec.europa.eu/research/sam/index.cfm?pg=oceanfood>

Horizon 2020 Societal Challenge 2 Infoweek in Brussels 14-17 November 2017

All there is to know about the €1,3bn of new funding opportunities for 2018-2020, the Bioeconomy policy, farm and food digitisation and Blue Growth!

We are glad to inform you that registration for the Horizon 2020 Societal challenge 2 Infoweek is now open.

The Infoweek 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' is jointly organised by 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. It will take place in **Brussels (Charlemagne) on 14-17 November 2017**. The Societal Challenge 2 **Info Day on Societal challenge 2 calls for 2018 (14/11)** and the related **brokerage event organised by BIOHORIZON (15/11)** will form the first part of the week.

The second part will consist of **three high-level policy events** presenting the latest evolutions in the **broader EU policy context related to Societal challenge 2 activities** and how it relates with activities under Horizon 2020:

- **Bioeconomy policy day (16/11)**
- **Digitising agriculture and food value chains (17/11)**
- **Blue growth and research and innovation (17/11)**

The event will also feature a **Bioeconomy village** highlighting first-class Horizon 2020 projects and initiatives on bioeconomy.

We invite you to **register by 20 October at the latest**, keeping in mind that registration may be closed earlier if all events are fully booked. A single registration system is provided which will allow you to select which sessions you wish to attend.

More information and registration <http://ec.europa.eu/programmes/horizon2020/en/news/horizon-2020-societal-challenge-2-infoweek-including-high-level-policy-events> .

EU Research and Innovation Day at COP23, Bonn 15 November 2017

EU Research and Innovation Day at COP23 at 15 November 2017, COP23, Bonn zone, EU pavilion, Room 1

European Commission's DG Research and Innovation is organising a EU Research and Innovation Day at COP 23. During this day, several issues - such as 1.5 & 2°C strategies, Arctic science contributions to implementing the Paris Agreement or Climate Services for Small Island Developing States and Least Developed Countries - will be discussed. The complete programme is available below.

Further information

- UNFCCC's COP 23 webpage <http://newsroom.unfccc.int/cop-23-bonn/>

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> .

BioTech Research & Innovation Hack 2017 - 5-6 December 2017

The registration for the ERA CoBioTech status seminar and exchange day is now open!

Venue: The International Auditorium (conference room "Auditorium"), International Trade Union House, Boulevard du Roi Albert II, No. 5/2, B-1210 Brussels

The BioTech Research & Innovation Hack 2017 is status seminar and exchange day of projects funded within ERA-IB-2, ERASysAPP, ERA SynBio and ERA-NET Bioenergy and will bring together 53 research projects and stakeholders from academia and industry, funding organizations, decision makers and general public. This event will provide an opportunity to discuss the achievement of the transnational ERA-NET projects, to network with excellent professionals in the area of industrial biotechnology, systems and synthetic biology etc. and to spark novel interdisciplinary research collaborations!

The participation at this event is free of charge but registration is required!

See below the preliminary meeting agenda and follow the link below to register!

Register here! <https://docs.google.com/forms/d/e/1FAIpQLSe6H4HYQEvrAhx072FPFLLJO0jgtXxQ4DeVbIRiosme89uUQ/viewform>
Agenda BioTech Research & Innovation Hack 2017

https://www.cobiotech.eu/lw_resource/datapool/systemfiles/agent/events/5B7156010D861C5AE0539A695E864399/live/document/Draft_Agenda_BioTech_RI_Hack_101017.pdf

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> .

Info Day, Horizon 2020 – 'Health, demographic change and wellbeing', Brussels 8 December 2017

Info Day, Horizon 2020 – 'Health, demographic change and wellbeing' 8 December 2017, Brussels (Charlemagne building), Belgium

With the principle of *better health for all* at its core, Horizon 2020's Societal Challenge 1 (Health, demographic change and wellbeing) focuses on personalised health and care, infectious diseases and improving global health, innovative and sustainable health systems, decoding the role of the environment (including climate change) for health and well-being, digital transformation and cybersecurity in health and care.

Horizon 2020' Societal Challenge 1 Work Programme 2018-2020 will be expected to offer calls for proposals with an overall budget of about €2 billion. Draft programme and registrations to follow at the end of September.

Related to the Health Open Info Day, the Directorate-General for Research & Innovation supports the following two events which will be organised on **7 December 2017** in Brussels:

Satellite event on Innovation Procurement in health care

- limited to 80 participants - *First come, first served basis*

Partnering Event organised by the EU-funded project Health-NCP-Net 2.0

- the event aims at helping you find the right project partners for the upcoming 2018 health calls

Further information

- Satellite event – Registration <https://ec.europa.eu/eusurvey/runner/InnoProcRegistration>
- Partnering Event - Programme and registration <https://www.b2match.eu/healthBE2017>

Related documentation

- Satellite event - Draft agenda https://europa.eu/sinapse/webservices/dsp_export_attachement.cfm?CMTY_ID=0C46BEEC-C689-9F80-54C7DD45358D29FB&OBJECT_ID=60956678-FA2F-4FE0-77E88D89843C91BE&DOC_ID=61909DC9-B940-976C-0808B474C2C46A4A&type=CMTY_CAL

6th Conference on Carbon Dioxide as Feedstock for Fuels, Chemistry and Polymers, Cologne 15-16-March 2018

15 - 16 March 2018, Maternushaus, Cologne, Germany. Meet leading international experts at one of the leading events on Carbon Capture and Utilization (CCU) in the world!

One of the leading events on Carbon Capture and Utilization (CCU) of the world

Big visions – and also real potential! The usage of carbon dioxide, among experts referred to as Carbon Capture & Utilization (CCU), is gaining momentum. First commercial production of CO₂-based polymers has been launched, several additional technologies have progressed so far to allow production on an industrial scale in the near future – with advanced biotechnology and chemical catalysis. At the same time are renewable energy from solar, wind and hydro becoming cheaper each year and the latest plants at favourable locations are already at the same price level as fossil energy sources and even below. A perfect situation for combining cheap and abundant renewables with carbon utilization to store energy, to produce renewable fuels and chemicals.

Renewable energy and CCU will reshape the energy system of the future and the chemical industry, too. Join the revolution, visit the conference, meet the leading entrepreneurs of the new industry.

Leading players will showcase enhanced and new applications using CO₂ as feedstock. The conference will have four main themes; Policy & Visions, Artificial Photosynthesis & H₂ Generation, Chemicals & Polymers and CO₂-based Fuels and features a mix of keynote, oral and poster presentations.

For the sixth time, nova-Institute is organizing one of the leading events on CCU in the world: "6th Conference on Carbon Dioxide as Feedstock for Fuels, Chemistry and Polymers", 15 - 16 March 2018, Maternushaus, Cologne, Germany.

Our participants

The conference is aimed at providing international major players from the field of sustainable fuels, chemicals and polymers from CO₂ with an opportunity to present and discuss their latest developments and strategies.

The participants include interested experts from industry, associations, policy and civil society who wish to get a full picture of how this new and exciting scenario is unfolding. The conference provides an opportunity to meet the right partners for future alliances.

Organiser

The nova-Institute was founded as a private and independent institute in 1994. It is located in the Chemical Park Knapsack in Huerth, which lies at the heart of the chemical industry around Cologne (Germany). For the last two decades, nova-Institute has been globally active in feedstock supply, techno-economic and environmental evaluation, market research, dissemination, project management and policy for a sustainable bio-based economy.

For more information: <http://co2-chemistry.eu/>

Global Bioeconomy Summit 2018, Berlin 19-20 April 2017

The German Bioeconomy Council will organise a second Global Bioeconomy Summit, which will take place in Berlin on 19-20 April 2018.

At the first Global Bioeconomy Summit, held in Berlin in 2015, more than 700 participants from 80 countries met to define how bioeconomy would best contribute to green growth, the sustainable development goals and to climate change mitigation and adaptation. The communiqué of the Global Bioeconomy Summit 2015, which was developed by an International Advisory Committee and tabled at the summit, was highly appreciated and made the summit a widely recognised global event.

At the Global Bioeconomy Summit 2018 appropriate strategies for further international cooperation will be considered. Detailed information about opportunities for participation will be shared in due course, and registration will open soon.

For more information about the Global Bioeconomy Summit 2018, please go to the GBS2018 website <https://gbs2018.com/home/> The communiqué, the full report and further documentation of the Global Bioeconomy Summit 2015 can be downloaded from the GBS2015 website <http://gbs2015.com/documentation/>.

The 26th European Biomass Conference and Exhibition will take place in Copenhagen from 14 to 18 May 2018

The 26th European Biomass Conference and Exhibition <http://www.eubce.com/home.html> will take place in Copenhagen from 14 to 18 May 2018. As a world leader and fore-runner within the bioenergy and renewable energy sectors, Denmark represents the ideal setting to host the EUBCE 2018 Conference and Exhibition.

Renewable energy constitutes 23% of the Danish energy production and 28.6% of the Danish energy consumption, according to the Energy Agency's Energy Statistics 2015. **Bioenergy is by far the largest contributor of renewable energy, with 60% of the production and 69% of the consumption.** The large share of bioenergy is mainly caused of conversion of CHP plants from formerly coal to now biomass, particularly imported wood pellets.

Biomass is one of Denmark's main renewable energy sources for generating power and heat by combustion and gasification.

Denmark has an impressive history of turning waste and secondary agricultural biomass into valuable energy <http://eoacik.com/M2S69syex5/>, using most of it for combined district heating and electrical power generation or for upgraded biogas for the natural gas grid. Danish research is also at the forefront of bioenergy with several competitive second generation biofuel production technologies for both bioethanol and biodiesel.

The Danish government has made biogas a cornerstone in the country's new energy strategy, which targets Denmark to be fossil free

by 2050

http://www.investindk.com/~media/Files/Sheets/Cleantech/A%20World%20Leader%20in%20Green%20gas.ashx?utm_campaign=EUBCE%202018%20-%204th%20HTML%20Newsletter&utm_medium=email&utm_source=EOACLK. The specific biogas goal is to use half the country's slurry to produce biogas which means a tenfold increase of the current situation. To achieve this target, a series of measures will be introduced, i.e. grants to build new plants and higher feed-in tariffs to new biogas applications: upgrade of biogas and its use in transportation.

Read more: <http://eoack.com/kHdW4S9dQX/>

Submit your abstracts by 6th November 2017

Within its programme, the EUBCE is responding to all the latest developments in modern energy technologies on biofuels, biogas and power and heat generation by combustion and gasification.

The subtopics focusing on these subjects are included in **Topics 1, 2 and 3** http://www.eubce.com/conference/call-for-papers/conference-topics.html?utm_campaign=EUBCE%202018%20-%204th%20HTML%20Newsletter&utm_medium=email&utm_source=EOACLK .

Contribute to the EUBCE 2018 Conference Programme **by submitting your abstracts** by 6 November 2017 and be part of the world's leading specialist biomass conference http://www.eubce.com/conference/call-for-papers.html?utm_campaign=EUBCE%202018%20-%204th%20HTML%20Newsletter&utm_medium=email&utm_source=EOACLK

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> .

XXX. INTERNATIONAL HORTICULTURAL CONGRESS, ISTANBUL, 12 - 16 AUGUST 2018

During the 30th International Horticultural Congress (IHC2018) to be held in Istanbul, Turkey between 12 and 16, August 2018, workshops will be organized after the symposia sessions. Workshops are proposed by the conveners with various objectives as:

- establishing an international expert group,
- sharing experiences and skills,
- carrying out in depth discussions on a specific topic,

- extending the network and/or
- seeking cooperation opportunities

The format of each Workshop may be different based upon the initial objective. You can register to any workshop that may be of interest to you. The output of the workshop(s) may be compiled but will not lead to a Congress proceeding, '*Acta Horticulturae*'. A workshop, if linked to a specific symposium, will be scheduled to allow participation to both activities. However, a workshop may be completely independent from any IHC2018 symposium.

The general rules for IHC 2018 registration also apply for the workshops.

More information about congress: <http://www.ihc2018.org/en/default.asp>

More information about workshops: <http://www.ihc2018.org/en/WORKSHOPS.html>

I would like to attract your attention to the **EMPHASIS/EPPN2020 organized Plant Phenotyping Workshop at the International Horticultural Conference in Istanbul, 12-16th of August 2018.**

That will give us the opportunity for a close interaction and discussion with the experts from horticulture:

<http://www.ihc2018.org/en/WORKSHOPS.html>

The abstract submission deadline is: **31 October 2017.**

Additionally, there will be an interesting session that deals with phenotyping in a horticultural context:

<http://www.ihc2018.org/en/S31.html>

Courses and Workshops

Foreseen Courses EU office in 2017

Overzicht trainingen Team IRIS / RVO 2017

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 2017, 2018 and 2019; based on information per 27 October 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	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>)
ERC-2018-POC	16 January 2018 18, April 2018 and 11 September 2018 (<i>ERC Proof of Concept Grant PoC-2018</i>)
FET	
Research infrastructures	
Marie Skłodowska-Curie	
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)
H2020-MSCA-ITN-2018	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-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 3 Energy	
H2020-LC-SC3-RES-2018 one-stage RES-4, RES-11	Foreseen opening 31 October 2017 foreseen deadline 23 August 2018
H2020-LC-SC3-RES-2018 two-stage RES-12, RES-13, RES-21, RES-28, RES-5, RES-6	Foreseen opening 31 October 2017 foreseen deadline first stage 31 January 2018 foreseen deadline Second stage 31 August 2018

H2020-LC-SC3-2018-2020 ES-3, ES-4, ES-5, ES-7, RES-22, SCC-1	Foreseen opening 5 December 2017 foreseen deadline 5 April 2018
H2020-LC-SC3-2018 CC-4, RES-2	Foreseen opening 5 December 2017 foreseen deadline 19 April 2018
H2020-LC-SC3-2018-2020 EC-1, EC-2, EE-1, EE-10, EE-11, EE-13, EE-14, EE-14, EE-16, EE-2, EE-5, EE-6, EE-8, EE-9	Foreseen opening 25 January 2018 foreseen deadline 4 September 2018
H2020-LC-SC3-2018 JA-1, JA-2	Foreseen opening 3 May 2018 foreseen deadline 11 September 2018
H2020-LC-SC3-2018 NZE-2, CC-1, CC-2, CC-5, CC-6, NZE-1, NZE-3	Foreseen opening 3 May 2018 foreseen deadline 6 September 2018
Societal Challenge 4 TRANSPORT	
Societal Challenge 5 ENVIRONMENT	
H2020-CLA-SC5-2018 two stage	Foreseen opening 7 November 2017 foreseen deadline <u>first stage</u> 27 February 2018 foreseen deadline <u>Second-stage</u> 4 September 2018
H2020-CE-SC5-2018 / SC5-2018 single stage	Foreseen opening 7 November 2017 foreseen deadline 27 February 2018
H2020-CE-SC5-2018 / SC5-2018 two-stage	Foreseen opening 7 November 2017 foreseen deadline <u>first stage</u> 27 February 2018 foreseen deadline <u>Second-stage</u> 4 September 2018
H2020-CLA-SC5-2019 two stage	Foreseen opening 14 November 2018 foreseen deadline <u>first stage</u> 19 February 2019 foreseen deadline <u>Second-stage</u> 4 September 2019
H2020-CLA-07-SC5-2019 single stage	Foreseen opening 14 November 2018 foreseen deadline 19 February 2019
H2020- CE-SC5-2019 / SC5-2019 single stage	Foreseen opening 14 November 2018 foreseen deadline 19 February 2019
H2020- CE-SC5-2019 / SC5-2019 two-stage	Foreseen opening 14 November 2018 foreseen deadline <u>first stage</u> 19 February 2019 foreseen deadline <u>Second-stage</u> 4 September 2019
Societal Challenge 6 SOCIETY	
Science with and for Society	
Cross-cutting activities (Focus Areas)	
Widening participation / WIDESPREAD	
H2020-WIDESPREAD-2016-2017	15 November 2017 at 17.00 hr Brussels local time (<i>Twinning 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 27 October 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 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 (CLOSED) and Mid-Dec 2017 (full proposals) http://www.leap-agri.com/index.php/2014-10-27-15-56-42/pre-proposal-submission
ERA-NET BiodivERsA and Belmonte joint call 'Scenarios of biodiversity	The Belmont Forum and BiodivERsA will launch a joint call on 'Scenarios of biodiversity and ecosystem services'. Foreseen opening in <u>October 2017</u> , foreseen

and ecosystem services'. http://www.biodiversa.org/ and https://www.belmontforum.org/	closing date closing date in March 2018 . Foreseen deadline submission for pre-registration in December 2017 . http://www.biodiversa.org/1224 and https://www.belmontforum.org/
ERA-NET Bioenergy and ERA-NET COFUND Bioenergy Sustaining the Future (BESTF3) http://www.eranetbioenergy.net/jointcall12?menu_builder_edit_mode=on	12th Joint Call for Research and Development Proposals of the ERA-NET Bioenergy and 2nd additional Joint Call for Research and Development Proposals of the ERA-NET COFUND Bioenergy Sustaining the Future (BESTF3) Deadline for submission of pre-proposals: 16.01.2018, 13:00 CET Deadline for submitting full proposals 05 June 2018, 13:00 CEST
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/
JPI OCEANS Joint Call Impacts of Deep-Sea Nodule Mining http://www.jpi-oceans.eu/	Joint Call Impacts of Deep-Sea Nodule Mining http://www.jpi-oceans.eu/news-events/news/joint-call-pre-announcement-impacts-deep-sea-nodule-mining The deadline for the submission of pre-proposals is 1 November, 2017 12:00 CEST . https://epss-jpi-oceans.ptj.de/lw_resource/datapool/_items/item_168/annex_1_call_for_proposals.pdf
European Innovation Partnerships	

Other international calls

This list is a SELECTION of other international calls. The list was compiled on **27 October 2017**. Calls marked with **NEW** are newly included in the list

Deadline	Call
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 **27 October 2017**. Calls marked with **NEW** are newly included in the list

Deadline	Call
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
14-11-2017	Sluiting oproep Impuls voor zelforganiserende logistiek (TKI Dinalog via NWO financiering) De deadline voor het indienen van aanvragen is 14 november 2017, om 14:00 uur CE(S)T. https://www.nwo.nl/financiering/onze-financieringsinstrumenten/sgw/impuls-voor-zelforganiserende-logistiek/impuls-voor-zelforganiserende-logistiek.html
30-11-2017	Sluiting Subsidieoproep Rubicon 2017-3 U kunt tot 30 november 2017, 14.00 uur uw aanvraag indienen via ProjectNet https://www.nwo.nl/financiering/onze-financieringsinstrumenten/nwo/rubicon/rubicon---zorgonderzoek-en-medische-wetenschappen/rubicon---zorgonderzoek-en-medische-wetenschappen.html
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
30-01-2018	Sluiting indiening van het financieringsinstrument "Wetenschappelijke infrastructuur voor astronomie, informatica en wiskunde - Investerings NWO-middelgroot" De deadline voor het indienen van aanvragen is dinsdag 30 januari 2018, 14:00 uur (CET). https://www.nwo.nl/binaries/content/documents/nwo/algemeen/documentation/application/enw/wetenschappelijke-infrastructuur-voor-astronomie-informatica-en-wiskunde---call-for-proposals/Call_for_Proposals_WetenschappelijkeInfrastructuur_AIW_2017-2018_NL_final2.pdf en https://www.nwo.nl/financiering/onze-financieringsinstrumenten/enw/wetenschappelijke-infrastructuur-voor-astronomie-informatica-en-wiskunde/wetenschappelijke-infrastructuur-voor-astronomie-informatica-en-wiskunde.html
11-01-2018	Sluiting indiening voorstellen voor Partnership NWO Domain TTW-Holland Innovative Potato Proposals Proposals need to be submitted to NWO Domain TTW before Thursday January 11th, 2017, 14.00 CE(S)T http://www.stw.nl/nl/content/partnership-nwo-domain-ttw-holland-innovative-potato and http://www.stw.nl/sites/stw.nl/files/Call%20Text_PS_HollandInnovativePotato.pdf
18-01-2018	Sluiting NWO pilot programma Industrial Doctorates . De deadline voor het indienen van aanvragen is dinsdag 16 januari 2018, 14.00 uur CET. https://www.nwo.nl/binaries/content/documents/nwo/algemeen/documentation/application/ttw/industrial-doctorates---call-for-proposals/20170922+Call+for+Proposals.+Industrial+Doctorates+NLdocx.pdf en https://www.nwo.nl/financiering/onze-financieringsinstrumenten/ttw/industrial-doctorates/industrial-doctorates.html
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/
01-05-2018	Doorlopende indiening 2017-2018 TOP-Subsidies voor vrij onderzoek in astronomie, informatica en wiskunde, compartiment 1 In 2017-2018 kunnen aanvragen voor TOP-subsidies doorlopend ingediend worden tot 1 mei 2018 https://www.nwo.nl/financiering/onze-financieringsinstrumenten/nwo/top-subsidies/top-subsidies-voor-vrij-onderzoek/top-subsidies-voor-vrij-onderzoek---compartiment-1/top-subsidies-voor-vrij-onderzoek-compartiment-1.html en https://www.nwo.nl/binaries/content/documents/nwo/algemeen/documentation/application/ew/top-subsidies-ew---call-for-proposals/EW_TOP_2018_Call_for_Proposals_NL_v2.0.pdf
01-05-2018	Doorlopende indiening 2017-2018 TOP-Subsidies voor vrij onderzoek in astronomie, informatica en wiskunde, compartiment 2 In 2017-2018 kunnen aanvragen voor TOP-subsidies doorlopend ingediend

	worden tot 1 mei 2018 https://www.nwo.nl/financiering/onze-financieringsinstrumenten/nwo/top-subsidies/top-subsidies-voor-vrij-onderzoek/top-subsidies-voor-vrij-onderzoek---compartiment-2/top-subsidies-exacte-wetenschappen-voor-vrij-onderzoek-compartiment-2.html en https://www.nwo.nl/binaries/content/documents/nwo/algemeen/documentation/application/ew/top-subsidies-ew--call-for-proposals/EW_TOP_2018_Call_for_Proposals_NL_v2.0.pdf
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 **27 October 2017**. Calls marked with **NEW** are newly included in the list

Deadline	Call
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.

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