

InfoBrief - Bioökonomie

Stand 21.03.17

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Bio-Based Industries Joint Undertakings

The BBI JU is a public-private partnership between the European Union and the Bio-based Industries Consortium (BIC). Operating under Horizon 2020, it is driven by the Strategic Innovation and Research Agenda (SIRA), published in March 2013

The objective of the BBU JU is to implement a programme of research and innovation activities in Europe that will assess the availability of renewable biological resources that can be used for the production of bio-based materials, and on that basis support the establishment of sustainable bio-based value chains. Those activities should be carried out through collaboration between stakeholders along the entire bio-based value chains, including primary production and processing industries, consumer brands, SMEs, research and technology centres and universities.

The strategic orientations for 2017 and 2018 are:

- Fostering a sustainable biomass-feedstock supply to feed both existing and new value chains;
- Optimising efficient processing for integrated biorefineries;
- Developing innovative bio-based products for specific market applications;
- Creating and accelerating the market uptake of bio-based products and applications

The 2017 Open Info Day and brokerage event will be held on Friday, 28 April in Brussels.

- **BBI 2017.R1 –Valorisation of gaseous side streams from bio-based operations into chemical building blocks**
To validate at pilot scale in an industrially relevant environment innovative technologies to efficiently convert gaseous feedstock from bio-based operations into useable chemical building blocks for products in added-value applications in various market segments.
- **BBI 2017.D1 –Valorisation of liquid and solid side streams from bio-based operations into high added-value products to create new feedstock for bio-based products**
To demonstrate sustainable and cost-efficient processing technologies for converting side streams and co-products from bio-based operations into high added-value products and hence increase the supply of biomass feedstock.
- **BBI 2017.D2 –Integrated multi-valorisation of algae into advanced materials and high added-value additives**
To demonstrate the efficient operation of a full value chain based on micro- or macro-algae that produces valuable products (such as ingredients or additives, advanced materials, etc.).
- **BBI 2017.R2 –Innovative technologies for the pre-treatment and separation of lignocellulosic feedstock and complex composition streams into valuable fractions while maintaining key characteristics**
To validate pre-treatment technologies at pilot scale in an industrially relevant environment to allow for the separation of natural bio-based polymers while keeping their main characteristics intact.
- **BBI 2017.R3 –Exploiting extremophiles and extremozymes to broaden the processing conditions to convert biomass into high-value building blocks**

- **BBI 2017.F1 –Integrated ‘zero waste’ biorefinery utilising all fractions of the feedstock for production of chemicals and materials**
 To demonstrate at industrial level a successful and profitable bio-based plant that converts all fractions of the feedstock primarily into chemicals and materials, through a cascading approach where applicable.
- **BBI 2017.R4 –Proteins and other bioactive ingredients from side streams and residues**
 To validate (either at lab scale, or at pilot scale in an industrially relevant environment) a sustainable process to separate and/or convert proteins and bioactive compounds from residual biomass streams originating from biomass production (such as agriculture) and conversion (such as the food/feed industry and biorefineries).
- **BBI 2017.R5 –Novel bio-based chemical precursors to improve the performance of mass consumption products**
 To validate at pilot scale in an industrially relevant environment production routes to novel and innovative bio-based chemical precursors for mass consumption products, such as surfactants, detergents, lubricants, emulsifiers, foaming agents, sanitisers, disinfectants, binders, solvents and adhesives.
- **BBI 2017.R6 –Competitive biodegradable, compostable and/or recyclable bio-based plastics for a sustainable end-of-life phase**
- **BBI 2017.R7 –Novel secondary bio-based chemicals without significant fossil-based counterparts but with high application potential**
 To validate (either at lab scale, or at pilot scale in an industrially relevant environment) a production process for bio-based chemicals with no significant fossil-based counterpart, resulting from primary bio-based building blocks. The primary building blocks must be obtained from sustainably sourced biomass of European origin.
- **BBI 2017.D3 –Breakthrough primary bio-based chemicals without significant fossil-based counterparts but with high marketability**
 To demonstrate a production process for bio-based chemicals with no significant fossil-based counterparts, originating from sustainably sourced biomass of European origin and demonstrate one application in the market at pre-commercial level.
- **BBI 2017.D4 –Innovative bio-based fertilising products to increase the sustainability of fertilising practices in agriculture**
 To demonstrate the following three uses in value chains to improve the sustainability of fertilising products and practices in agriculture:

 - component materials in more sustainable fertilising products from local bio-based waste streams and co-products that fully comply with the proposed revised EU rules mentioned above and that can help to replace less sustainable fertilisers, including those currently imported;
 - efficient bio-based biodegradable coatings for CRFs that can meet the proposed regulatory requirements on biodegradability of coatings in soils;
 - prebiotic and/or probiotic solutions for tailored soil nutrient improvement.
- **BBI 2017.D5 –Advanced bio-based fibres and materials for large-volume applications**
 To demonstrate the efficient and viable production of bio-based fibres and materials with superior technical performance and sustainability levels, but at lower production costs, in a whole value-chain approach. Their superior performance should be proven in comparison

with identified benchmark materials (fossil-based or bio-based) for large-volume applications, using clear and pre-defined criteria. Benchmark counterparts should be both fossil-based and traditional bio-based products.

- **BBI 2017.F2 –Large-scale production of proteins for food and feed applications from alternative, sustainable sources**
To produce on a large-scale food- and/or feed-grade proteins from sustainable alternative sources, such as residual streams from agriculture, other biomass production and related residual streams (like aquaculture, fisheries, or seaweed), or food industry side streams.
- **BBI 2017.S1 –Establish cooperation and partnership with brand owners and consumer representatives to improve the market access of sustainable bio-based products**
Proposals should develop the structure and procedures for and implement the cooperation of the bio-based industry and brand owners and consumers to incorporate their knowledge and expertise on market changes and trends. The aim would be to increase market acceptance of bio-based products.
- **BBI 2017.S2 –Identify opportunities for ICT to increase the efficiency of biomass supply chains for the bio-based industry**

Horizon 2020: Science with and for Society (SWAFS)

The Horizon 2020 Specific Programme describes the aim of Part V 'Science with and for Society' (SWAFS) as follows: "The aim is to build effective cooperation between science and society, to recruit new talent for science and to pair scientific excellence with social awareness and responsibility". To that end, it indicates that the focus will be on 8 specific activities lines: attractiveness of scientific careers, gender equality, integration of citizens' interests and values in research and innovation (R&I), formal and informal science education, accessibility and use of research results, governance for the advancement of responsible research and innovation and promotion of an ethics framework for research and innovation, anticipation of potential environmental, health and safety impacts, and improved knowledge on science communication. The Science with and for Society will open only one call for proposals which is organised around the following four themes.

Deadline: 30.08.17

http://ec.europa.eu/research/participants/data/ref/h2020/wp/2016_2017/main/h2020-wp1617-swfs_en.pdf

1. Institutional Change to Support Responsible Research and Innovation in Research Performing and Funding Organisations (2016-2017)

The 'Institutional Change to Support RRI in Research Performing (RPOs) and Funding Organisations (RFOs)' part will contribute to implementing the RRI keys (public engagement, education to science, ethics including research integrity, gender equality, open science) in an integrated way and disseminate good practices. It will also allow to develop projects in association with researchers, citizens and industry and to monitor impact and progress. Developing new partnerships will also be a priority. Results should contribute to the implementation of the ERA priorities, a greater involvement of all stakeholders, and a better and more sustainable engagement with society.

- [SwafS-01-2016: Participatory research and innovation via Science Shops](#)
- [SwafS-02-2016: ERA-NET Cofund – Promoting Gender equality in H2020 and the ERA](#)
- [SwafS-03-2016-2017: Support to research organisations to implement gender equality plans](#)
It should contribute to implement the ERA objectives through Gender Equality Plans (GEPs) in Research Performing Organisations (RPOs) and Research Funding Organisations (RFOs)
- [SwafS-04-2016: Opening Research Organisations in the European Research Area](#)
- [SwafS-05-2017: New constellations of Changing Institutions and Actors](#)
- [SwafS-06-2017: Engaging industry – Champions for RRI in Industrial Sectors](#)
- [SwafS-07-2016: Training on Open Science in the European Research Area](#)
- [SwafS-08-2017: European Community of Practice to support institutional change](#)
It should support implementation of gender equality plans in research organisations with exchange of practice and knowledge and cooperation between gender –in-science infrastructures, centres or departments

2. Embedding Responsible Research and Innovation in Horizon 2020 Research & Innovation (2016-2017)

The 'Embedding RRI in Horizon 2020 R&I' theme will be run and financed in association with other parts of Horizon 2020. It will support various types of engagement of citizens (e.g. focus groups, consensus conferences, MMLs), civil society organisations as well as other key stakeholders in the research and innovation policy implementation relating to Parts II, III, IV, V and VI of Horizon 2020. In this light, this theme can also support participatory research and innovation proposals that foster the uptake of transdisciplinary research, including understanding of the challenges and opportunities for interoperability of research data.

- **SwafS-10-2017: Putting Open Science into action**

The challenge is to operationalise an Open Science rationale for one or more of the societal challenges defined under Horizon 2020. This should be done by a knowledge coalition based on a quadruple helix model of innovation in which civil society organisations, industry, government and academia are committed to work together and share knowledge and data among each other and interested third parties, thus putting Open Science in action in order to produce Responsible Research and Innovation solutions for a particular societal challenge.

The proposals should enable trans-disciplinary research and innovation cooperation.

Proposals will focus on one or more of the following challenges, at multiple geographical scales (global to local):

- Health, demographic change and wellbeing;
- Food security, sustainable agriculture and forestry, marine and maritime and inland water research, and the Bioeconomy;
- Secure, clean and efficient energy (in line with the Commission priority for 2014-2019, Energy Union);
- Smart, green and integrated transport;
- Climate action, environment, resource efficiency and raw materials;
- Europe in a changing world - inclusive, innovative and reflective societies (in line with the Commission priorities for 2014-2019, 'Stronger Global Actor', 'a Union of Democratic Change' and a 'New Policy on Migration') including Social Science and Humanities and Big Data ;
- Secure societies - protecting freedom and security of Europe and its citizens.

To be of real impact, proposals must ensure research and innovation solutions and their possibility can be increased by public-private partnerships whereby Citizen Science can also be involved.

3. Strengthening the Science with and for Society Knowledge-Base (2016-2017)

'The Science with and for Society-Knowledge Base' theme will be bottom-up and open to suggestions from researchers and other stakeholders on the eight specific activities of SWAFS. Results will help reinforce the understanding, uptake and dissemination of RRI among research communities, decision-makers and civil society actors. Results should also foster the definition of good practices and help analyse and improve the policy initiatives taken in the various keys of RRI.

- **SwafS-11-2017: Science education outside the classroom**

The available knowledge on science education outside the classroom and its impact on citizens need to be analysed, taking into account possible gender and geographical differences and the analysis including socio-economically disadvantaged groups. The analysis includes socio-economically disadvantaged groups. The proposed action shall specify if this type of learning complements the classroom or succeeds where the classroom might have failed. Consideration shall be given to the impact that can be achieved by

science education outside schools and how this form of informal schooling might be accredited and whether there is a way of assessing the quality of the educational contents

- [SwafS-12-2017: Webs of Innovation Value Chains and Openings for RRI](#)
- [SwafS-13-2017: Integrating Society in Science and Innovation – An approach to cocreation](#)
- [SwafS-14-2017: A Linked-up Global World of RRI](#)

4. Developing Inclusive, Anticipatory Governance for Research & Innovation (2016/2017)

'The Developing Inclusive, Anticipatory Governance for R&I' part will develop scenarios regarding possible future RRI activities and how these activities are perceived by science and society. It will promote the development of spaces of dialogue between researchers, academy, industry (including SMEs), Civil Society Organisations (CSOs) and policy makers, where systemic and institutional adaptation models to future priorities are explored and analysed. It will build scenarios that consider 2020 and beyond, including various governance levels. It will be grounded in integrated, inclusive and integrated assessments of future science and technology, for example by using methodologies from the fields of technology assessment, foresight and impact assessment. The outcomes shall contribute to inclusive and anticipatory governance in the context of strategic priority-setting for future R&I (funding) policy in Europe and contribute to the strengthening of the research and innovation ethics framework. Results of projects issued from this call should be available in time to inform the R&I and other EC policies when preparing the post-2020 period.

- [SwafS-15-2016: Open Schooling and collaboration on science education](#)
- [SwafS-17-2016: The Ethics of informed consent in novel treatment including a gender perspective](#)
- [SwafS-18-2016: The Ethics of technologies with high socio-economic impact and Human Rights relevance](#)
- [SwafS-19-2016: Networking of National representatives and resources centres on Gender in R&I](#)
- [SwafS-20-2016: ERA Mobility and Career Day](#)
- [SwafS-21-2017: Promoting integrity in the use of research results in evidence based policy: a focus on non-medical research](#)

This proposal deals with:

- The necessity for building operational ethics and methodological framework to ensure the provision of reliable evidence from researchers to decision makers;
- High repercussions on innovation capacities, jobs and well-being if the principles of responsible conduct of research are not followed.
- The analysis of relationship between science based policy advice, responsible conduct of research and research ethics;
- The proposing an Oviedo/Helsinki type framework for nonmedical research, following a wide consultation with all stakeholders including industry and civil society. Such a framework shall discuss areas such as: a) Covert research; b) Working in dangerous

areas/conflict zones; c) Behavioural research collecting data from social media/internet sources.

- [SwafS-22-2017: The ethical dimensions of IT technologies: a European perspective focusing on security and human rights aspects](#)

This proposal deals with:

- The fact that actual and potential impact of ICT technologies on our daily life is high and rapidly growing;
 - Multidimensional questions related to how to effectively implement the Charter of Fundamental Rights in our society;
 - Increasing number and unprecedented intensity of threats to public and private cyber security and the responses given by the competent international, European and national bodies.
 - Analysis of the ethical tensions between the ICT technologies and the protection of human rights, in particular as regards privacy and personal data;
 - Elaborating operational standards and guidelines as well as suggesting possible concrete improvements of the current regulatory framework, in the spirit of the EU commitment to better regulation;
 - Elaborating guidelines for research ethics committees and the research community.
- [SwafS-23-2017: Responsible Research and Innovation \(RRI\) in support of sustainability and governance, taking account of the international context](#)
 - [SwafS-24-2017: Trans-national operation of the EURAXESS Service network](#)
 - [SwafS-25-2016: Celebrating European Science](#)
 - [SwafS-26-2017: Science4Refugees - Support to highly skilled refugee scientists](#)
 - [SwafS-27-2017: Implementing a European Train-the-trainers initiative with regard to Ethics and Research Integrity](#)

This proposal deals with:

- Creation of an e-community/database where all the training material/tools will be publicly available;
- Establishment of a self-sustainable organization, which will implement train-the-trainers activities, update and manage the e-community/database in the long term.

CONFIDENTIEL – Draft of the Societal Challenge 2 Work Programme 2018-2020 Horizon 2020

The Societal Challenge 2 Work Programme for the 2018-2020 period will focus on research and innovation (R&I) investments underpinning the development of resilient and sustainable value chains for food and bio-based systems, mitigation and adaptation to effects of climate change, support to biodiversity, managing sustainably the potentials of land and seas and fostering innovation in rural, coastal and urban areas.

The SC2 2018-2020 Work Programme is structured around 3 calls:

- Sustainable Food Security (SFS)
- Rural Renaissance (RUR)
- Blue Growth (BG)

1. SUSTAINABLE FOOD SECURITY (SFS)

1.1. From functional ecosystems to healthy food

- **SFS-01-2018/2019/2020 Agro biodiversity in action**

Actions should address only one of the following:

- [2018] Small organisms, big effects for plants
Proposals will lay the ground for better understanding and applying the benefits of soil organisms for resource uptake, plant growth, development and health.
- [2019]: Capitalising on native farmland biodiversity: Actions will enhance the understanding of the relationship between farm management and native farmland biodiversity
- [2020] From agrobiodiversity to dynamic value chains

Funded activities will showcase the benefits of agro-biodiversity at various levels and develop solutions and approaches to embed these benefits more effectively into farming practices.

- **SFS-02-2019/20 Healthy livestock gut ecosystem for sustainable production**

Activities shall address the gut ecosystem of terrestrial livestock, looking in a balanced way at:

- the characterisation of the targeted gut microbial ecosystems, comparing them between species, breeds, production systems
- their behaviour (e.g. interactions between microbiota, evolution with age of animals, transmission),
- their functions and interactions with host, feed and management,
- possible ways in which those ecosystems can be managed in order to improve production and/or health.

- **LC-SFS-03-2018 Microbiome applications for sustainable food systems**

- **SFS-04-2019/2020 Integrated health approaches and alternatives towards pesticide use**

Actions should address only one of the following:

- [2019]: Integration of plant protection in a Global Health approach
Activities will implement integrated approaches to advance in the assessment of impacts of plant protection products (PPPs) on plant, human, animal and eco-health.
- [2020] Biocidal and plant protection products

- SFS-05-2019/2020 New and emerging risks in plant health
- SFS-06-2020 Increasing capacities for detection in plant health
- SFS-07-2019/2020 Stepping up integrated pest management
- SFS-08-2018 Building a healthy and sustainable European apiculture
- SFS-09-2018: Increasing animal welfare
- SFS-10-2020: Husbandry for quality
- SFS-11-2020 Epidemiology of contagious animal diseases: from integrated data collection to prioritisation
- SFS-12-2018/2019 Anti-microbials and livestock production
- SFS-13-2020 Genome enabled breeding
- DT-SFS-14-2018/2019: Personalized Nutrition Fehler! Textmarke nicht definiert.
- LC-SFS-15-2018: Future proofing our plants Fehler! Textmarke nicht definiert.
 Proposals shall map, assess and prioritise the technologies and methodologies for plant improvement with a focus on enhancing plant nutrition efficiency and quantity, without compromising quality.
- SFS-16-2018 Towards more healthy and sustainable food Fehler! Textmarke nicht definiert.
- DT-SFS-17-2019: Alternative proteins for food and feed

1.2. Environment and climate smart food production and consumption

- LC-SFS-18-2018-2019 Climate smart and resilient farming
- LC-SFS-19-2020 Defossilizing agriculture: near-to-market solutions for fossil-fuel-free farming
- LC-SFS-20-2019 European Joint Programming on soil
- SFS-21-2019 Integrated water management at the small agriculture catchment
- SFS-22-2018: Mapping the sustainability of different livestock production systems
- CE-SFS-23-2019 Innovative and citizen-driven food system approaches in cities
- CE-SFS-24-2018 Bioeconomy cities: integrated system innovation in valorising urban biowaste

1.3. Building capacities

- [DT-SFS-25-2019: Food Cloud demonstrators](#)
- [SFS-26-2018/2019/2020 Genetic Resources and Pre-breeding communities](#)
 Actions should address only one of the following:
 - [2018]: [Joining forces for GenRes and biodiversity management](#)
 Activities will provide a framework under which the existing mosaic of European, national/regional structures can effectively engage and develop common, ambitious approaches and strategies for the management of crop, forest and animal genetic resources as well as wider (agro) biodiversity.
 - [2019]: [Adding value to plant GenRes](#)
 Actions shall provide further insight into the potential value of plant GenRes for breeding, farming, forestry and consumers.
 - [2020]: [The GenRes-user interface and pre-breeding activities](#)
- [SFS-27-2018 Innovations in plant variety testing](#)
 Proposed work will help to identify crop characteristics and "sustainability criteria" that are associated with the capacity of new varieties to maintain yield under more variable conditions and under more sustainable crop management practices (e.g. with regard to the use of fertiliser, water or plant protection products).
- [SFS-28-2018/2019 Agri-Labs](#)
 Actions should address only one of the following:
 - [2018]: [Understanding the terrestrial livestock genome expression and translation into traits](#)
 - [2019]: [Looking behind plant adaptation](#)
- [SFS-29-2018-2019: ERANETs](#)

1.4. Targeted international cooperation

- [LC-SFS-30-2019 Food Systems Africa](#)
- [SFS-31-2018/2019/2020: Sustainable Intensification in Africa](#)
- [SFS-32-2018/2019 - Diversifying revenue in rural sub-Saharan Africa through bio-based solutions](#)
- [SFS-33-2018: Integrated approaches to food safety controls across the agri-food chain](#)
- [SFS-34-2018/2019/2020: Sustainable soils and land management](#)
- [SFS-35-2019: High-quality organic fertilisers from biogas digestate](#)

2. RURAL RENAISSANCE (RUR)

2.1. From farm to society: understanding dynamics and modernising policies

- RUR-01-2018-2019-2020 Building modern rural policies on long-term visions and societal engagement
- RUR-02-2018 Socio-economic impacts of digitisation of agriculture and rural areas
- RUR-03-2018 – Contracts for effective and lasting agri-environmental public goods delivery
- RUR-04-2018: Analytical tools and models to support agricultural and natural resource policies

2.2. Organising sustainable food and non-food value chains under changing conditions

- RUR-05-2020 Connecting consumers and producers in innovative supply chains
- RUR-06-2020 Innovative agri-food chains
- RUR-07-2020 Reducing food losses along the value chain
- CE-RUR--08-2018/2019/2020 - Closing nutrient cycles
- RUR-09-2018 – Realising the potential of regional and local bio-based economies
Proposals shall foster cooperation at all levels between actors relevant for the take-off of regional bio-based economies, promoting open innovation approaches, and ensure adequate knowledge exchange within and among regions
- CE-RUR-10-2019/2020 - Circular bio-based business models for rural communities
- LC-RUR-11-2019/2020: Sustainable wood value chains

2.3. Taking advantage of the digital revolution

- DT-RUR-12-2019: Agricultural digital cross-cutting integration platforms
- DT-RUR-13-2020: Digital service platforms for rural economies
- DT-RUR-14-2018 ICT Innovation for agriculture – Digital Innovation Hubs for Agriculture
- RUR-15-2020 Enabling the farm advisors' community to prepare farmers for the digital age
- RUR-16-2018 Digital solutions and e-tools to modernise the CAP

2.4. Boosting innovation and enhancing the human and social capital in rural areas

- RUR-17-2018/2019/2020 Thematic networks compiling knowledge ready for practice
- RUR-18-2019 Fuelling the potential of advisors for innovation
- RUR-19-2020: Networking European farms to boost thematic knowledge exchanges and close the innovation gap
- RUR-20-2019 Connecting agricultural knowledge reservoirs and building "multi-actor" capacity

3. **BLUE GROWTH (BG)**

3.1. Improving our integrated knowledge about the impact of climate change on marine ecosystems and biological resources to better manage their response capacities and resilience

- LC-BG-01-2018: Towards a Baltic and North Sea research and innovation programme
- BG-02-2018 Blue Bioeconomy Public-Public Partnership

3.2. Preserving and sustainably exploiting marine and coastal ecosystems and biological resources to deliver improved nutrition and health

- LC-BG-03-2018 Sustainable harvesting of marine biological resources
- CE-BG-04-2018/2019 Sustainable EU aquaculture 2.0
- LC-BG-05-2020 Fisheries in full ecosystem context

3.3. De-risking major investments and boosting innovations on land and at sea to produce new bio-based value chains and open up new markets

- BG-06-2018 Marine microbiomes for the bioeconomy
- CE-BG-07-2019 Multi-purpose and multi-use of the marine space, offshore and near-shore: pilot demonstrators

3.4. Developing smart and connected territories across land and sea

- CE-BG-08-2019 Sustainable solutions for bio-based plastics on land and sea

3.5. Strengthening the international research and innovation cooperation around seas and oceans to promote a globally sustainable blue economy

- **DT-BG-09-2018-2019-2020 The Future of the Oceans Flagship Initiative**
- BG-10-2018-2019 All Atlantic Ocean Research Alliance Flagship
- LC-BG-11-2019 Coordination of marine and maritime research and innovation activities in the Black Sea
- BG-12- 2020 – Black Sea Research and Innovation Action

FÖRDERUNGEN

Netzwerke bauen

- **Innovationsforen Mittelstand (BMBF)**

Das Bundesministerium für Bildung und Forschung (BMBF) stärkt mit dieser Fördermaßnahme insbesondere das Innovationspotenzial kleiner und mittlerer Unternehmen (KMU) und verbessert ihre Voraussetzungen auf dem Weg in die wirtschaftliche Verwertung neuer Ideen und Forschungsergebnisse. Bei den geförderten "Innovationsforen Mittelstand" knüpfen unterschiedlichste Partner aus Wirtschaft, Wissenschaft, Politik, öffentlicher Verwaltung und Gesellschaft technologie- und branchenübergreifend Kontakte, bestimmen ihre Position im Wettbewerb und leiten den Wissenstransfer ein; die Beantragung der Förderung erfolgt jeweils stellvertretend durch einen Partner der Initiativen.

Das BMBF unterstützt daher mit dieser themenoffenen Fördermaßnahme den Auf- und Ausbau interdisziplinärer regionaler und überregionaler Netzwerke zwischen Unternehmen, Bildungs- und Forschungseinrichtungen sowie geeigneten weiteren Partnern auf unterschiedlichsten Innovationsfeldern (z. B. Hochtechnologie, Kultur- und Kreativwirtschaft, soziale Dienstleistungen) und entwickelt damit ein in Ostdeutschland mit Erfolg praktiziertes Förderkonzept weiter.

Zentrales Element der neunmonatigen Förderphase ist eine zweitägige Veranstaltung ähnlich einem Fachkongress.

Gefördert werden insbesondere neue Netzwerke, die am Anfang ihrer Entwicklung stehen. Bestehende Cluster werden nur dann gefördert, wenn durch die interdisziplinäre Themensetzung des Innovationsforums eine erhebliche Erweiterung der Partnerstruktur (neue Akteurskonstellationen) oder eine dauerhafte enge Kooperationen mit anderen Netzwerken (cross-clustering) zu erwarten ist.

Innovationsforen, die einen Beitrag zur regionalen Profilbildung leisten, werden bevorzugt gefördert; die Bewerbung geeigneter die Grenzen der Länder überschreitender Netzwerke ist besonders erwünscht.

Projektskizzen können kontinuierlich eingereicht werden. Stichtag für die nächste Auswahlrunde: 15.05.2017.

<https://www.bmbf.de/foerderungen/bekanntmachung-1213.html>

Erinnerungen:

- **Förderung von KMU-zentrierten, strategischen FuE-Verbänden in Netzwerken und Clustern (KMU-NetC) (BMBF)**

Deadline: 30.04.2017

<https://www.bmbf.de/foerderungen/bekanntmachung-1318.html>

Bioökonomie, Nachhaltigkeit

- **Nachhaltige Entwicklung urbaner Regionen (BMBF)**

Ziel der BMBF Fördermaßnahme ist es, lokal angepasste Lösungsstrategien für die nachhaltige Entwicklung urbaner Regionen, die sowohl zu einer Verbesserung ökologischer Faktoren (Emissionen, Energie- und Ressourceneffizienz etc.) als auch zu einer Erhöhung der Resilienz von Städten führen, zu erarbeiten, zu erproben und Impulse für eine dauerhafte Implementierung der Strategien zu setzen.

Im Rahmen der übergreifenden Zielsetzung "nachhaltige urbane Regionen" sollen insbesondere Projekte gefördert werden, die dazu dienen die "Resilienz von Städten, ihrem Umland und

städtischen Regionen" zu erhöhen. Innovative Konzepte zur Minderung der Emissionen im städtischen Raum (z. B. nachhaltige Mobilitätskonzepte, energieeffiziente Heizung bzw. Klimatisierung von Gebäuden) und einer besseren Resilienz der Städte stehen daher im Fokus dieser Ausschreibung. Dabei können die Schwerpunkte der Forschungsarbeiten in folgenden Bereichen liegen:

- integrierte Stadtplanung, z. B. für energie- und ressourceneffizientes Bauen, mitwachsende und resiliente Infrastruktursysteme und nachhaltige Mobilität;
- Verminderung des Treibhausgas- und Schadstoffausstoßes in Unternehmen, Haushalten und im Verkehr;
- Risikomanagement bei Extremwetterereignissen und Naturkatastrophen in schnell wachsenden Städten, ihrem Umland und städtischen Regionen.

Einreichungsfrist: 25.04.17

<https://www.bmbf.de/foerderungen/bekanntmachung-1321.html>

- **IngenieurNachwuchs – Kooperative Promotion (BMBF)**

Das Bundesministerium für Bildung und Forschung (BMBF) unterstützt im Rahmen des Programms "Forschung an Fachhochschulen" die forschungs- und praxisnahe Qualifizierung von Ingenieuren durch die Förderlinie „IngenieurNachwuchs – Kooperative Promotion“.

Um dieses Ziel zu erreichen, werden Forschungs-, Entwicklungs- und Innovations-Projekte (FuEuI-Projekte) an FH gefördert, die in Zusammenarbeit mit der Wirtschaft und Partnern aus der universitären und außeruniversitären Wissenschaft durchgeführt werden und kooperative Promotionen als Teil der Qualifizierung des wissenschaftlichen Nachwuchses enthalten. Kernziel der Förderlinie "IngenieurNachwuchs – Kooperative Promotion" ist der Auf- bzw. Ausbau von ingenieurwissenschaftlichen Forschungsnachwuchsgruppen an FH im Rahmen von ingenieurwissenschaftlichen, anwendungsorientierten FuEuI-Projekten, die in Kooperation mit Partnern der gewerblichen Wirtschaft, insbesondere kleinen und mittleren Unternehmen, durchgeführt werden.

Projektskizzen können zu folgenden ausgewählten Aktionsfeldern eingereicht werden:

- Intelligente und leistungsfähige Verkehrsinfrastruktur, Elektromobilität, Innovative Mobilitätskonzepte, Fahrzeugtechnologien, Luftfahrt, Maritime Technologien (Zukunftsaufgabe "Intelligente Mobilität")
- Energieforschung, Green Economy, Bioökonomie, nachhaltige Agrarproduktion, Sicherung der Rohstoffversorgung, Zukunft Bau (Zukunftsaufgabe "Nachhaltiges Wirtschaften und Energie")
- Bekämpfung von Volkskrankheiten, Individualisierte Medizin, Prävention und Ernährung, Stärkung der Wirkstoffforschung, Innovationen im Pflegebereich, Innovationen in der Medizintechnik (Zukunftsaufgabe "Gesundes Leben")

Einreichungsfrist: 27.04.17

<https://www.bmbf.de/foerderungen/bekanntmachung-1107.html>

Erinnerungen:

- **Förderung von Forschungs- und Entwicklungsvorhaben im Rahmen der multilateralen Ausschreibung "Transformations to Sustainability" (T2S) (BMBF)**

Deadline: 05.04.17

<https://www.bmbf.de/foerderungen/bekanntmachung-1307.html>

Landwirtschaftliches Management

- **ICT-AGRI Call 2017 - Farm Management Systems for Precision Farming**

The overall objective of the ICT-AGRI Call 2017 is to contribute to the development of an eco-efficient, resource-efficient and competitive agriculture through an enhanced and improved use of ICT (Information and Communications Technology) and robotics. Precision Farming involves a number of digital technologies, including the Internet of Things and automated agricultural machinery, and is recognised having significant potential for the sustainable intensification of primary food production.

Farm Management Systems (FMS) are (in accordance with the ICT-AGRI Strategic Research Agenda of December 2012) considered to be ICT platforms for farmers, meaning that an FMS enables the integration of software and data so as to be readily and easily available for the farmer. The recent and possibly disruptive trend, which has emerged over the last few years, is that software and data are managed as services on the Internet. While there is a growing collection of agricultural applications available, most such applications are stand alone apps and not integrated into an FMS. The challenges are both to develop such properly integrated applications and to ensure sufficiently high quality. In addition to developing suitable technical solutions, we need propose corresponding business models for using such services on the Internet specifically for the agricultural context.

The topics of the call are

- Agricultural research on use of sensor data for decision support
- Development of applications for Precision Farming
- Cases of integration of third-party applications with Farm Management Systems

At least three countries or regions must be represented in the proposal consortium, except for proposals addressing predominantly topic 3 which may have only two countries or regions represented.

Deadline: 21.04.17

<http://ict-agri.eu/node/37243>

Materialforschung

- **M-ERA.NET CALL 2017**

The aim is to fund ambitious transnational RTD projects addressing materials research and innovation including materials for low carbon energy technologies and related production technologies. M-ERA.NET aims to strengthen the contribution of materials R&D to energy-related applications where applicable.

The Call 2017 includes the following thematic areas:

- Integrated computational materials engineering (ICME)
- Innovative surfaces, coatings and interfaces
- High performance composites
- Multifunctional materials
- New strategies for advanced material-based technologies in health applications
- Materials for additive manufacturing

Deadline: 13.06.17

<https://m-era.net/joint-calls/joint-call-2017>

Kommerzielle Anwendung

Erinnerungen:

- **GO-Bio (BMBF)**

Deadline: 15.06.17

<https://www.bmbf.de/foerderungen/bekanntmachung-1285.html>

- **Förderung der Beratung landwirtschaftlicher Unternehmen vor und während einer Umstellung des Betriebes auf ökologischen Landbau (BMEL)**

Deadline: 15.11.18

[https://www.bundesprogramm.de/fileadmin/2-](https://www.bundesprogramm.de/fileadmin/2-Dokumente/Richtlinien_und_Antr%c3%a4ge/20150626_BekanntmachungBAnzRLBeratung.pdf)

[Dokumente/Richtlinien_und_Antr%c3%a4ge/20150626_BekanntmachungBAnzRLBeratung.pdf](https://www.bundesprogramm.de/fileadmin/2-Dokumente/Richtlinien_und_Antr%c3%a4ge/20150626_BekanntmachungBAnzRLBeratung.pdf)

- **„KMU-innovativ: Biotechnologie - BioChance“ (BMBF)**

Deadline: 15.04.17

<https://www.bmbf.de/de/kmu-innovativ-biotechnologie-biochance-600.html>

Zusammenarbeit mit gezielten Ländern

- **EUREKA Czechy-Germany (BMBF)**

The Czech Ministry of Education, Youth and Sport (MEYS) and the Federal Ministry of Education and Research (BMBF) intend to fund joint research and development (R&D) projects of German and Czech partner institutions. Applicants are expected to develop marketable products, services or technologies with high market potential in Germany, the Czech Republic and/or Europe.

Although this call invites projects in all thematic areas, special focus is given to the following suggested domains:

- Renewable energy technologies: Power storage and power conversion technologies; Management of power networks
- Applications of information and communication technologies
- Environmental technologies

Expected project results will have to contribute to the development of commercial products, applications and / or technology-based services.

Deadline: 05.04.17

<http://www.eureka.dlr.de/media/content/Czech%20German%20EUREKA%20call.pdf>

- **Förderung der wissenschaftlich-technologischen Zusammenarbeit (WTZ) mit Nord- und Südamerika (BMBF)**

Die BMBF Ausschreibung zielt auf die Beantragung von Finanzmittel für Sondierungs- und Vernetzungsmaßnahmen. Damit soll die Vorbereitung und Antragstellung von Projekten zu thematisch relevanten Programmlinien im Rahmen von H2020 gefördert werden – unter Einbeziehung von Partnerländern aus Nord- und Südamerika. WTZ-Schwerpunktländer sind: Argentinien, Brasilien, Chile, Kolumbien und Mexiko sowie Kanada und die USA. Daneben soll schrittweise auch die Zusammenarbeit mit Kuba entwickelt werden.

Unter anderem sind folgende Themenbereiche von H2020 adressiert:

- Gesellschaftliche Herausforderungen (Gesundheit und demographischer Wandel)
- Führende Rolle der Industrie (Nanotechnologie, Biotechnologie etc)

- **Wissenschaftsexzellenz** (Future and Emerging Technologies (FET), MSCM hier Innovative Training Networks (ITN) und Research und Innovative Staff Exchange (RISE), Forschungsinfrastrukturen und e-Infrastrukturen)

Gefördert werden Vernetzungs- und Sondierungsmaßnahmen, die der Konzeption, Vorbereitung und Einreichung von Anträgen in H2020 unter Einbeziehung von Partnerinstitutionen in Nord- und/oder Südamerika dienen. Hierzu werden Anbahnungsreisen, Expertentreffen, thematische Workshops sowie Personal finanziert.

Deadline: 20.12.17

<https://www.bmbf.de/foerderungen/bekanntmachung-1324.html>

Erinnerungen:

- **Förderung der Wissenschaftlich-Technologischen Zusammenarbeit (WTZ) mit Neuseeland (BMBF)**

Deadline: 20.04.17

<https://www.bmbf.de/foerderungen/bekanntmachung-1314.html>

- **Förderung der Wissenschaftlich-Technologischen Zusammenarbeit (WTZ) mit Mexiko (BMBF)**

Deadline: 28.04.17

<https://www.bmbf.de/foerderungen/bekanntmachung-846.html>

- **Förderung der Zusammenarbeit in den Lebenswissenschaften mit Kuba (BMBF)**

Deadline: 31.05.17

<https://www.bmbf.de/foerderungen/bekanntmachung-1305.html>

Individuelle Förderung

- **[Marie-Sklodowska-Curie: Society and Enterprise Panel](#)**

Ziel des Panels ist es, Forschende (insbesondere Postdoktorandinnen und Postdoktoranden sowie Habilitierende) bei ihrer Weiterqualifizierung durch die Finanzierung eines Forschungs- und Innovationsprojekts an einer nicht-akademischen Einrichtungen (d.h. an allen forschenden Einrichtungen, die nicht unter die Bezeichnung "Akademia" fallen) zu unterstützen.

Der Aufruf öffnet am 11.04.17. Die Einreichungsfrist endet am 14.09.17.

https://ec.europa.eu/research/mariecurieactions/news/20160412-if-society-enterprise-panel_en

Erinnerungen:

- **RISE: Research and Innovation Staff Exchange**

Deadline: 05.04.2017

https://ec.europa.eu/research/mariecurieactions/about/research-innovation-staff-exchange_en

TAGUNGEN, WORKSHOPS UND WEBINARS

- **Webinar Communication Network on Bio-Based Products, 30.03.17**

BioCannDo (Bioeconomy Awareness and Discourse Project) will explain the idea of a bioeconomy and bio-based end-products in clear and understandable language, in a scientifically correct manner, and connect it to everyday life. Collaboration partners can share and learn about good practices in approaches and formats for communication to the general public.

<https://attendee.gotowebinar.com/register/5693635528173011969>

- **Crop Innovation & Business Conference, Amsterdam, 02-04.04.17**

<https://www.cropib.com/>

- **Deutsche Biotechnologietage 2017, Hannover, 5-6.04.17**

Die DBT sind Treffpunkt für über 800 Unternehmerinnen und Unternehmer, Forscher sowie Partner aus Politik, Förderinstitutionen und Verwaltung. Die Konferenz befasst sich in Plenarvorträgen, Podiumsdiskussionen und Frühstücksrunden mit den Rahmenbedingungen und den vielfältigen Anwendungsfeldern der Biotechnologie. Ergänzend gibt es eine begleitende Ausstellung für Unternehmen, Institute, Verbände und Vereine.

<http://www.biotechnologietage.de/de/>

- **Leibniz-Workshop und Erfahrungsaustausch mit der Nationalen Kontaktstelle (NKS) Umwelt, Berlin, 20.04.17**

Der Workshop stellt den Erfahrungsaustausch in den Mittelpunkt. Gemeinsam möchten wir erarbeiten, welche Hürden bei der Antragstellung zu überwinden bzw. unüberwindbar waren, was Sie ggf. von einer Antragstellung abgehalten hat, welches Ihre Projekterfahrungen insbesondere mit Blick auf die neuen Schwerpunktsetzungen sind und schließlich, wo aus Ihrer Sicht Verbesserungs- und zusätzlicher Unterstützungsbedarf besteht. Im Kontext der Zwischenevaluierung von Horizon 2020 sowie dem Start der letzten Förderperiode in diesem EU-Rahmenprogramm, erhalten Sie darüber hinaus einen Ausblick auf das SC5 Arbeitsprogramm 2018-2020

Der Workshop richtet sich an Wissenschaftlerinnen und Wissenschaftler der Leibniz-Gemeinschaft mit Antrags- und / oder Projekterfahrung.

Anmeldung bis zum 07.04.17: events@leibniz-gemeinschaft.de

- **Jahrestagung 2017 des Programms „go-cluster“, Berlin, 20.04.17**

Clusterakteure sowie Experten aus Wirtschaft, Wissenschaft und Politik finden sich am 20. April 2017 im Bundesministerium für Wirtschaft und Energie wieder zur Jahrestagung des Programms „go-cluster“ zusammen. Aktuelle Trends und Themen für die Zukunft der Cluster stehen im Mittelpunkt der Veranstaltung. Zudem bildet die Jahrestagung den Auftakt zur ersten bundesweiten Clusterwoche, die bis zum 28. April 2017 vielfältige Einblicke in die Clusterwelt gibt.

http://www.clusterplattform.de/CLUSTER/Redaktion/DE/Veranstaltungen/2017/2.%20Quartal/20170420_jahrestagung_go_cluster_2017.html

- **Open Info Day Bio-Based Industries Joint Undertakings, Brussels, 28.04.17**

<https://www.bbi-europe.eu/media/bbi-ju-2016-open-info-day-0>

- **2nd Leibniz-Kolleg for Young Researchers: Chances and Challenges of the Digitisation of the Research System, Brandenburg, 26-28.06.17**

Over the course of a three-day retreat, the 2nd Leibniz-Kolleg for Young Researchers will provide you with the opportunity to explore questions concerning chances and challenges of digitisation in academia and beyond. Expert workshops and panel discussions on topics like research data management, teaching and the design of teaching tools in the digital age, the publication of research results and open science as well as science communication will take a hands-on approach to digitisation in a researcher's every day. Professionals from academia, business and industry will discuss career options with you. In seminars on career and networking strategies, presentation and communicative skills, you can develop strategies to improve your skills. Above all, there will be a lot of time for networking at the lakeside of the Groß Behnitzer See in Brandenburg.

Registration will be open from April 13 via the website of the Leibniz Association: www.leibniz-gemeinschaft.de/en/careers/the-next-generation-of-researchers/ .

- **Plant Science Student Conference, Halle (Saale), 06-09.06.17**

Eine Konferenz von Doktoranden für Doktoranden: PhD-Studenten in allen Stadien der Promotion (auch geplante Themen vorzustellen ist möglich) aus den Bereichen Biologie, Biochemie, Chemie, Agrarwissenschaften, Bioinformatik und Pflanzenwissenschaften sind herzlich eingeladen.

Deadline: 17.04.17

<http://msbi.ipb-halle.de/pssc2017>

- **Summerschool "Policy Evaluation in Agriculture", Bucarest, 18-22.09.17**

Vom 18. - 22. September 2017 findet in Bukarest, Rumänien, im Rahmen des Projekts ["ENHANCE – Building an Excellency Network for Heightening Agricultural Economic Research and Education in Romania"](<https://www.iamo.de/en/research/projects/details/enhance/>) eine Sommerschule zum Thema "Policy Evaluation in Agriculture" statt. Bis zum 31. Mai 2017 können sich Masterstudierende oder Promovierende für die Teilnahme bewerben: <http://course.enhance-project.ro/>

- **The European Biotech Week, 20-27.09.17**

This momentous occasion opened the door to a better understanding of the world we live in both for scientists and for society.

The initiative is completely free of charge, meaning that all the expenses related to the website, social media campaigns, flyers, posters, etc. are supported by the global biotech week. Therefore, you can receive promotional materials like flyers, notepads, pens, USB sticks, balloons or t-shirts.

<http://globalbiotechweek.ca/>

Erinnerungen Tagungen und Workshops

- **7th European Algae Industry Summit, Nice, France, 26-27.04.17**

<http://www.wplgroup.com/aci/event/european-algae-industry-summit/>

- **Informationsveranstaltung "EU-Fördermöglichkeiten für wissenschaftliche Netzwerke", Halle (Saale), 27.04.17 Vormittag**

Anmeldung bis 13.04.17

http://www.euhoerschulnetz-sachsen-anhalt.de/Veranstaltungen/EU_F%C3%B6rderm%C3%B6glichkeiten+f%C3%BCr+wissenschaftliche+Netzwerke+am+27_04_2017-p-532.html

- **Workshop zur Antragstellung für die Marie-Curie Individual Fellowships, Halle (Saale), 27.04.17 Nachmittag**

Anmeldung bis 13.04.17

http://www.euhoerschulnetz-sachsen-anhalt.de/Veranstaltungen/Antragstellerworkshop+f%C3%BCr+die+Marie+S_+Curie+Individual+Fellowships+am+27_04_2017-p-536.html

- **„Turning Waste into Value“, Potsdam, 27.04.17**

<https://www.b2match.eu/biobased2017>

- **Chancen einer nachhaltigen Bioökonomie in Bayern, München, 09.05.17**

Anmeldung bis 28.04.17

<http://www.biooekonomierat-bayern.de/index.php/aktuelles/75-veranstaltung-chancen-einer-nachhaltigen-biooekonomie-in-bayern-am-9-mai-2017>

- **Chancen einer nachhaltigen Bioökonomie in Bayern, München, 09.05.17**

www.biooekonomierat-bayern.de

Anmeldung bis zum 28.04.17

- **International Bioeconomy Conference, Halle, 10-11.05.17**

WissenschaftsCampus Halle und Spitzencluster BioEconomy laden gemeinsam in die Modellregion der Bioökonomie das- Partnerland 2017: Frankreich

Die 6. International Bioeconomy Conference liefert auf zentralen Themengebieten neue Erkenntnisse und Einblicke: So sprechen internationale Experten zu Nachhaltigkeit und Sozio-Ökonomie, zu biobasierten Wertschöpfungsketten, Bioraffinerie-Prozessen, High-Value-Products sowie zu Stresstoleranz und Produktivität von Pflanzen.

www.bioeconomy-conference.de

- **Biotechnica 2017 - Internationale Fachmesse für Biotechnologie und Life Sciences, Hannover, 16.-18.05.17**

www.biotechnica.de.

- **“How to write a competitive proposal for Horizon 2020”, Berlin, 17.05.17**

<http://www.fv-berlin.de/eu-referat/veranstaltungen>

- **EIP-AGRI Seminar "Digital Innovation Hubs: mainstreaming digital agriculture", Kilkenny, Irland, 01-02.06.17**

Anmeldung bis 08.03.17

<https://ec.europa.eu/eip/agriculture/en/content/eip-agri-seminar-digital-innovation-hubs-mainstreaming-digital-agriculture>

- **IAMO Forum 2017 "Eurasian Food Economy between Globalization and Geopolitics", Halle, 21-23.06.17**

<https://forum2017.iamo.de/about-the-conference/>

- **25-jähriges C.A.R.M.E.N. (Centrales Agrar-Rohstoff Marketing- und Energie-Netzwerk), Jubiläum, Straubing, 10.07.17**

<http://www.carmen-ev.de>

- **Industrial Biotechnology and Bioeconomy Conference, Brussels, 09-11.10.17**

<http://www.efibforum.com/conference>

- **"Healthy and Productive Seas and Oceans" (JPI Oceans), Lissabon, 26.10.17**

<http://www.jpi-oceans.eu/>

PREISE

- **ACHEMA-Gründerpreis 2018**

Zum zweiten Mal sind unternehmensfreudige Wissenschaftler, zukünftige Gründer und Inhaber von Start-Ups in den Bereichen Chemie, Verfahrenstechnik und Biotechnologie aufgerufen, sich um den ACHEMA-Gründerpreis zu bewerben. Man kann in drei verschiedenen Phasen (Ideen-, Konzept-, Businessplan-Phase) in den Wettbewerb einsteigen.

<http://www.achema.de/de/veranstaltungen/achema-gruenderpreis.html>

- **Deutschen Nachhaltigkeitspreis Forschung**

Wettbewerb von Projekten, die Lösungswege für den nachhaltigen Umgang mit Wasser entwickeln
Deadline: 05.05.17

<http://www.forschungspreis.de/>

- **Transferpreis Handwerk + Wissenschaft**

Als bundesweiter Transferpreis des deutschen Handwerks prämiert der Seifriz-Preis seit über 25 Jahren erfolgreiche Kooperationen zwischen Handwerk und Wissenschaft.

Unter dem Motto „Meister sucht Professor“ werden innovative Produkte und Leistungen, die durch Zusammenarbeit von Wissenschaft und Handwerk zur Marktreife gebracht wurden, mit Preisgeldern von insgesamt 25.000 Euro belohnt. Die Kooperation kann sich sowohl auf die Entwicklung von Produkten und Verfahren als auch auf Dienstleistungen oder die Einführung neuer Formen der betrieblichen Organisation beziehen.

Deadline: 02.06.17

<http://www.seifriz-preis.de/>

Erinnerungen Preise

- **EuroScience: European Young Researcher's Award**

Deadline: 16.04.17

<http://www.euroscience.org/calls/call-open-2017-european-young-researchers-award/>

- **GO-Bio - 8. Runde, BMBF**

Deadline: 15.06.17

- **Klaus Tschira Preis für verständliche Wissenschaft 2017**

SONSTIGES

- **The future of food and agriculture: Trends and challenges**

The purpose of this report is to increase understanding of the nature of the challenges that agriculture and food systems are facing now and will face into the 21st century. Its analysis of 15 global trends provides insights into what is at stake and what needs to be done. Most of the trends are strongly interdependent and, combined, inform a set of 10 challenges to achieving food security and nutrition for all and making agriculture sustainable. 'Business-as-usual' is not an option. Major transformations in agricultural systems, rural economies and natural resource management will be needed if we are to realize the full potential of food and agriculture to ensure a secure and healthy future for all people and the entire planet.

<http://www.fao.org/publications/fofa/en/>

- **Öffentliche Stakeholder-Konsultation zum "Joint Baltic Sea Research and Development Programme (BONUS)"**

Deadline: 30.04.17

http://ec.europa.eu/research/consultations/pp_partnerships_art185/consultation_en

- **Öffentliche Stakeholder-Konsultation der DG AGRI zur Modernisierung und Vereinfachung der common agricultural policy (CAP)**

Deadline: 02.05.17

<https://ec.europa.eu/eusurvey/runner/FutureCAP>