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## Inhalte

### **1. /EU HORIZON 2020/ FET-Arbeitsprogramm 2018 - 2020 - Entwurf veröffentlicht**

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/NKS DR/ Die Europäische Kommission hat einen Entwurf für das FET-Arbeitsprogramm 2018 - 2020 veröffentlicht. Beachten Sie bitte, dass es sich bei diesem Dokument um einen vorläufigen Entwurf handelt. Die offizielle Veröffentlichung ist von der Europäischen Kommission für den 27. Oktober 2017 geplant.

Im neuen Arbeitsprogramm ändert sich die Anzahl und die Ausrichtung der Gatekeeper für FET Open, und es wurden sechs Themen für die FET Proactive RIAs festgelegt. 2018 stehen für FET Open rund 128 Millionen Euro zur Verfügung; für FET Proactive sind es 88 Millionen Euro.

Die Arbeit in den FET Flagships 'Graphene' und 'Human Brain' wird fortgesetzt. Außerdem beginnt 2018 die Aufbauphase für das neue Quantentechnologie-Flagship. 132 Millionen Euro stehen für Forschungs- und Innovationsmaßnahmen im Bereich der Quantentechnologie bereit. Gefördert werden außerdem mit je einer Million Euro bis zu sechs Vorbereitungsmaßnahmen für neue Flagships.

Topics:

Call - FET Open - Novel ideas for radically new technologies

FETOPEN-01-2018-2019-2020: FET-Open Challenging Current Thinking

FETOPEN-02-2018: FET-Open Coordination and Support Actions

FETOPEN-03-2018-2019-2020: FET Innovation Launchpad

Call - FET Proactive - Boosting emerging technologies

FETPROACT-01-2018: FET Proactive: emerging paradigms and communities

FETPROACT-02-2018: Community building in Neuromorphic Computing Technologies

Call - FET Proactive - High Performance

FETHPC-01-2018: International Cooperation on HPC

FETHPC-02-2019: Extreme scale computing technologies, methods and algorithms for key applications and support to the HPC ecosystem

Call - FET FLAGSHIPS - Tackling grand interdisciplinary science and technology challenges

FETFLAG-01-2018: Preparatory Actions for new FET Flagships

FETFLAG-02-2018: ERA-NET Cofund for FET Flagships

FETFLAG-03-2018: FET Flagship on Quantum Technologies

Weitere Informationen:

[https://ec.europa.eu/programmes/horizon2020/sites/horizon2020/files/02.\\_h2020-fet-2018-2020\\_09\\_21\\_2017\\_prepublication.pdf](https://ec.europa.eu/programmes/horizon2020/sites/horizon2020/files/02._h2020-fet-2018-2020_09_21_2017_prepublication.pdf)

<https://ec.europa.eu/programmes/horizon2020/en/future-and-emerging-technologies-fet-work-programme-2018-2020-preparation>

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### **2. /EU HORIZON 2020/ Antragswerkstatt FET Open und FET Proactive' am 6. Dezember 2017 in Berlin**

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/NKS FET/ Vorankündigung: Die NKS FET lädt am 6. Dezember 2017 alle an zukünftigen und sich entwickelnden Technologien interessierten Wissenschaftlerinnen und Wissenschaftler zu einer Antragswerkstatt nach Berlin ein. Ziel der Veranstaltung ist, das Rüstzeug für eine erfolgreiche Antragstellung in den Bereichen FET Open und FET Proactive zu vermitteln.

Weitere Informationen:

<http://www.eubuero.de/veranstaltungen.htm>

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### **3. /EU HORIZON 2020\*/ IMI2 Ebola and other filoviral haemorrhagic fevers (Ebola+) programme: future outbreaks; Deadline: 15. März 2018**

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The Innovative Medicines Initiative 2 (IMI2) should seek to involve a broader range of partners, including mid-sized companies, from different sectors e.g. biomedical imaging, medical information technology, diagnostic and/or animal health industries. Involving the wider community in this way should help to advance the development of new approaches and technologies for the prevention, diagnosis and treatment of diseases with high impact on public health.

The key deliverables of projects funded under the Ebola+ programme must be outputs that will increase our preparedness to react to future outbreaks of Ebola and other filoviral haemorrhagic fevers.

Key deliverables might include (but are not limited to) the following:

??the progression of a novel vaccine candidate, diagnostic or treatment up to a stage ready for testing in an outbreak setting;

- the development of tools to help with pre-clinical and clinical development of vaccine candidates and treatments (incl. Proof of Concept testing of existing platforms for screening compounds for Ebola and other filoviruses);
- the development and/or validation of a novel diagnostic test that is sufficiently sensitive, rapid, user-friendly, cheap, and usable in resource-limited settings;
- the development of novel strategies to improve the stability of vaccines against Ebola and other filoviral infections during transport and storage, e.g. which would allow storage at 8°C or ambient temperatures for prolonged durations;
- the development of novel manufacturing and delivery strategies;
- the development of learning and strategies for optimal deployment and adherence to vaccination programmes;
- the facilitation of the exploitation of recent advances in our understanding of Ebola and other filoviral infections and the acceleration of their development into health care interventions.

Further information:

<http://www.imi.europa.eu/content/imi-2-call-8>

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### **4. /EU HORIZON 2020\*/ Draft workprogramme 2018-2020 SC4 Smart, green and integrated transport**

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Die Europäische Kommission hat einen Entwurf für das Arbeitsprogramm 2018 - 2020 veröffentlicht. Beachten Sie bitte, dass es sich bei diesem Dokument um einen vorläufigen Entwurf handelt.

Topics

Call - 2018-2020 Mobility for Growth

1. BUILDING A LOW-CARBON, CLIMATE RESILIENT FUTURE: LOW-CARBON

#### AND SUSTAINABLE TRANSPORT

- LC-MG-1-1-2018: InCo flagship on reduction of transport impact on air quality
- LC-MG-1-2-2018: Sustainable multi-modal inter-urban transport, regional mobility and spatial planning.
- LC-MG-1-3-2018: Harnessing and understanding the impacts of changes in urban mobility on policy making by city-led innovation for sustainable urban mobility
- LC-MG-1-4-2018: Hardening vehicle environmental protection systems against tampering
- LC-MG-1-5-2019: Advancements in aerodynamics and innovative propulsion systems for quieter and greener aircrafts
- LC-MG-1-6-2019: Aviation operations impact on climate change
- LC-MG-1-7-2019: Future propulsion and integration: towards a hybrid/electric aircraft
- LC-MG-1-8-2019: Retrofit Solutions and Next Generation Propulsion for Waterborne Transport
- LC-MG-1-9-2019: Upgrading transport infrastructure in order to monitor noise and emissions
- LC-MG-1-10-2019: Logistics solutions that deal with requirements of the 'on demand economy' and for shared-connected and low-emission logistics operations

#### 2. SAFE, INTEGRATED AND RESILIENT TRANSPORT SYSTEMS

- MG-2-1-2018: Human Factors in Transport Safety
- MG-2-2-2018: Marine Accident Response
- MG-2-3-2018: Airworthiness of mass-market drones
- MG-2-4-2018: Coordinating national efforts in modernizing transport infrastructure and provide innovative mobility services
- MG-2-5-2018: Innovative technologies for improving aviation safety and certification in icing conditions
- MG-2-6-2019: Moving freight by Water: Sustainable Infrastructure and Innovative Vessels
- MG-2-7-2019: Safety in an evolving road mobility environment
- MG-2-8-2019: Innovative applications of drones for ensuring safety in transport
- MG-2-9-2019: Integrated multimodal, low-emission freight transport systems and logistics (Inco Flagship)

#### 3. GLOBAL LEADERSHIP AND COMPETITIVENESS

- MG-3-1-2018: Multidisciplinary and collaborative aircraft design tools and processes
- MG-3-2-2018: The Autonomous Ship
- MG-3-3-2018: "Driver" behaviour and acceptance of connected, cooperative and automated transport

#### 4. ACCOUNTING FOR THE PEOPLE

- MG-4-1-2018: New regulatory frameworks to enable effective deployment of emerging technologies and business/operating models for all transport modes
- MG-4-2-2018: Building Open Science platforms in transport research
- MG-4-3-2018: Demographic change and participation of women in transport
- MG-4-4-2018-2019: Support for dissemination events in the field of Transport Research
- MG-4-5-2019: An inclusive digitally interconnected transport system meeting citizens' needs
- MG-4-6-2019: Supporting Joint Actions on sustainable urban accessibility and connectivity

#### BLUE GROWTH

- MG-BG-01-2018: Unmanned and autonomous survey activities at sea:
- MG-BG-02-2019: Ship emission control scenarios, marine environmental impact and mitigation

Call - 2018-2020 Digitising and Transforming European Industry and

#### Services: Automated Road Transport

DT-ART-01-2018: Testing, validation and certification procedures for highly automated driving functions under various traffic scenarios based on pilot test data

DT-ART-02-2018: Support for networking activities and impact assessment for road automation

DT-ART-03-2019: Human centred design for the new driver role in highly automated vehicles

DT-ART-04-2019: Developing and testing shared, connected and cooperative automated vehicle fleets in urban areas for the mobility of all

DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations

DT-ART-06-2020: Large-scale, cross-border demonstration of highly automated driving functions for passenger cars

#### Call - Building a low-carbon, climate resilient future: Green Vehicles

LC-GV-01-2018: Integrated, brand-independent architectures, components and systems for next generation electrified vehicles optimised for the infrastructure

LC-GV-02-2018: Virtual product development and production of all types of electrified vehicles and components

LC-GV-03-2019: User centric charging infrastructure

LC-GV-04-2019: Low-emissions propulsion for long-distance trucks and coaches

LC-GV-05-2019: InCo flagship on "Urban mobility and sustainable electrification in large urban areas in developing and emerging economies"

LC-GV-06-2020: Next generation and realisation of battery packs for BEV and HEV

LC-GV-07-2020: Advanced light materials and their production processes for automotive applications

LC-GV-08-2020: Reducing the environmental impact of hybrid light duty vehicles

LC-GV-09-2020: Next generation electrified vehicles for urban use

#### Other actions

1. Horizon prize for the cleanest engine of the future
2. External expertise
3. External expertise to advise on EU research and innovation policy
4. Support to the ITF Decarbonising Transport project
5. Ex-post analysis of Clean Sky 2, SESAR and Shift2Rail Joint Undertakings
6. Support for the implementation of TRIMODE, a 'Europe wide transport model, technology watch, data and scenarios'
7. New mobility patterns in European cities
8. Support to the development, implementation, monitoring and evaluation of transport research and innovation policy activities
9. Support to the organisation of the annual EU-US Transport research symposia
10. Exploring the possible employment implications of connected and automated driving
11. Dissemination and exploitation of results

#### Call - Mobility for Growth 2018-2020 (continued)

Further information:

<https://ec.europa.eu/programmes/horizon2020/en/shaping-work-programme-2018-2020-societal-challenges-4-smart-green-and-integrated-transport>

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## **5. /EU HORIZON 2020\*/ SC 4 - Smart, green and integrated transport, New Online Platform**

Die Generaldirektion Mobilität und Verkehr (DG MOVE) der Europäischen Kommission hat mit dem Transport Research and Innovation Monitoring and Information System (TRIMIS) eine neue Online-Plattform für Forschung und Innovation im Bereich Transport gestartet. TRIMIS bietet umfassende Informationen zu verschiedenen Themen der Societal Challenge 4 - Smart, green and integrated transport unter Horizon 2020, u.a. eine Datenbank mit EU- und nationalen Forschungsprojekten und -programmen. Die Plattform soll insbesondere dem Monitoring der Effektivität von Forschung und Innovation im Bereich Transport sowie von neuen Trends und Technologien dienen. TRIMIS ersetzt das bisher bestehende Transport Research & Innovation Portal (TRIP).  
Weitere Informationen:  
<https://trimis.ec.europa.eu/>

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## **6. /EU HORIZON 2020\*/ Draft Workprogramm 2018-2020 Nanotechnologies, Advanced Materials, Biotechnology and Advanced Manufacturing and Processing**

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Die Europäische Kommission hat einen Entwurf für das Arbeitsprogramm 2018 - 2020 veröffentlicht. Beachten Sie bitte, dass es sich bei diesem Dokument um einen vorläufigen Entwurf handelt.

### Call - FOUNDATIONS FOR TOMORROW'S INDUSTRY

#### 1.1 OPEN INNOVATION TEST BEDS .

DT-NMBP-01-2018: Open Innovation Test Beds for Lightweight, nano-enabled multifunctional composite materials and components (IA) DT-NMBP-02-2018: Open Innovation Test Beds for Safety Testing of Medical Technologies for Health (IA)

DT-NMBP-03-2019: Open Innovation Test Beds for nano-enabled surfaces and membranes (IA)

DT-NMBP-04-2020: Open Innovation Test Beds for bio-based nano-materials and solutions (IA)

DT-NMBP-05-2020: Open Innovation Test Beds for functional materials for building envelopes (IA)

DT-NMBP-06-2020: Open Innovation Test Beds for nano-pharmaceuticals production (IA)

#### 1.2 MATERIALS CHARACTERISATION and COMPUTATIONAL MODELLING

DT-NMBP-07-2018: Open Innovation Test Beds for Characterisation (IA)

DT-NMBP-08-2019: Real-time nano-characterisation technologies (RIA)

DT-NMBP-09-2018: Accelerating the uptake of materials modelling software (IA)

DT-NMBP-10-2019: Adopting materials modelling in manufacturing processes (RIA)

DT-NMBP-11-2020: Open Innovation Test Beds for Materials Modelling (IA)

DT-NMBP-12-2019: Sustainable Nano-Fabrication (CSA)

#### 1.3 GOVERNANCE, SCIENCE-BASED RISK ASSESSMENT AND REGULATORY ASPECTS

NMBP-13-2018: Risk Governance of nanotechnology (RIA)

NMBP-14-2018: Nanoinformatics: from materials models to predictive toxicology and ecotoxicology (RIA)

NMBP-15-2019: Safe by design, from science to regulation: metrics and main sectors (RIA) NMBP-16-2020:

Safe by design, from science to regulation: behaviour of multi-component nanomaterials (RIA)

NMBP-17-2020: Regulatory science for medical technology products (RIA)

### Call - TRANSFORMING EUROPEAN INDUSTRY

#### 2.1. FACTORIES OF THE FUTURE (FOF)

DT-FOF-01-2018: Skills needed for new Manufacturing jobs (CSA)

DT-FOF-02-2018: Effective Industrial Human-Robot Collaboration (RIA)

DT-FOF-03-2018: Innovative manufacturing of opto-electrical parts (RIA)

DT-FOF-04-2018: Pilot lines for metal Additive Manufacturing (IA 50%)

DT-FOF-05-2019: Open Innovation for collaborative production engineering (IA)



DT-FOF-06-2019: Refurbishment and re-manufacturing of large industrial equipment (IA)  
 DT-FOF-07-2020: Reliable and accurate assembly of micro parts (RIA)  
 DT-FOF-08-2019: Pilot lines for modular factories (IA 50%)  
 DT-FOF-09-2020: Holistic energy-efficient factory management (IA)  
 DT-FOF-10-2020: Pilot lines for large-part high-precision manufacturing (IA 50%)  
 DT-FOF-11-2020: Quality control in smart manufacturing (IA)  
 DT-FOF-12-2019: Handling systems for flexible materials (RIA)  
 DT-NMBP-18-2019: Materials, manufacturing processes and devices for organic and large area electronics (IA)  
 DT-NMBP-19-2019: Advanced materials for additive manufacturing (IA)  
 DT-NMBP-20-2018: A digital 'plug and produce' online equipment platform for manufacturing (IA)

## 2.2 BIOTECHNOLOGY

BIOTEC-01-2018: Standardisation in Synthetic Biology (CSA)  
 BIOTEC-02-2019: Boosting the efficiency of photosynthesis (RIA)  
 BIOTEC-03-2018: Synthetic biology to expand diversity of nature's chemical production (RIA)  
 CE-BIOTEC-04-2018: New biotechnologies for environmental remediation (RIA)  
 CE-BIOTEC-05-2019: Microorganism communities for plastics bio-degradation (RIA)  
 BIOTEC-06-2020: Reprogrammed microorganisms for biological sensors (IA)  
 BIOTEC-07-2020: Multi-omics for the optimisation of genotype-phenotype associations (RIA)

## 2.3. MEDICAL TECHNOLOGY INNOVATIONS

NMBP-21-2020: Custom-made biological scaffolds for specific tissue regeneration and repair (RIA)  
 NMBP-22-2018: Osteoarticular tissues regeneration (RIA)  
 DT-NMBP-23-2020: Next generation organ-on-chip (RIA)

## Call - INDUSTRIAL SUSTAINABILITY

### 3.1. SUSTAINABLE PROCESS INDUSTRY (SPIRE)

CE-SPIRE-01-2020: Industrial symbiosis (IA)  
 CE-SPIRE-02-2018: Processing of material feedstock using non-conventional energy sources (IA)  
 CE-SPIRE-03-2018: Energy and resource flexibility in highly energy intensive industries (IA 50%)  
 CE-SPIRE-04-2019: Efficient integrated downstream processes (IA)  
 CE-SPIRE-05-2019: Adaptation to variable feedstock through retrofitting (IA 50%)  
 DT-SPIRE-06-2019: Digital technologies for improved performance in cognitive production plants (IA)  
 CE-SPIRE-07-2020: Recovery of industrial water, thermal energy and substances contained therein (IA)  
 CE-SPIRE-08-2020: Improved Industrial Processing using novel high-temperature resistant materials (RIA)  
 CE-SPIRE-09-2020: Making the most of mineral waste, by-products and recycled material as feed for high volume production (IA)  
 CE-SPIRE-10-2018: Efficient recycling processes for plastic containing materials (IA)

### 3.2. CATALYSING THE CIRCULAR ECONOMY

CE-NMBP-24-2018: Catalytic transformation of hydrocarbons (RIA)  
 CE-NMBP-25-2019: Photocatalytic synthesis (RIA)  
 CE-NMBP-26-2018: Smart plastic materials with intrinsic recycling properties by design (RIA)

### 3.3. CLEAN ENERGY THROUGH INNOVATIVE MATERIALS

LC-NMBP-27-2019: Strengthening EU materials technologies for non-automotive battery storage (RIA)  
 LC-NMBP-28-2020: Advanced materials for innovative multilayers for durable photovoltaics (IA)  
 LC-NMBP-29-2019: Materials for non-battery based energy storage (RIA)  
 LC-NMBP-30-2018: Materials for future highly performant electrified vehicle batteries (RIA)  
 LC-NMBP-31-2020: Materials for off shore energy (IA)  
 LC-NMBP-32-2019: Smart materials, systems and structures for energy harvesting (RIA)

### 3.4. CULTURAL HERITAGE

NMBP-33-2018: Innovative and affordable solutions for the preventive conservation of cultural heritage (IA)

### 3.5. ENERGY-EFFICIENT BUILDINGS (EEB)

LC-EEB-01-2019: Integration of energy smart materials in non-residential buildings (IA)

LC-EEB-02-2018: Building information modelling adapted to efficient renovation (RIA)

LC-EEB-03-2019: New developments in plus energy houses (IA)

LC-EEB-04-2020: Industrialisation of building envelope for the renovation market (IA)

LC-EEB-05-2019-20: Integrated storage systems for residential buildings (IA)

LC-EEB-06-2018-20: ICT enabled, sustainable and affordable residential building construction, design to end of life (IA 50%)

Further information:

[https://ec.europa.eu/programmes/horizon2020/sites/horizon2020/files/h2020-leit-nmbp-2018-2020\\_pre-publ.pdf](https://ec.europa.eu/programmes/horizon2020/sites/horizon2020/files/h2020-leit-nmbp-2018-2020_pre-publ.pdf)

<https://ec.europa.eu/programmes/horizon2020/en/nmbp-work-programme-2018-2020-preparation>

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## **7. /EU HORIZON 2020\*/ Draft Work Programme 2018-2020 Information and Communication Technologies**

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Die Europäische Kommission hat einen Entwurf für das Arbeitsprogramm 2018 - 2020 veröffentlicht. Beachten Sie bitte, dass es sich bei diesem Dokument um einen vorläufigen Entwurf handelt.

Topics:

Call - Information and Communication Technologies

Technologies for Digitising European Industry

ICT-01-2019: Computing technologies and engineering methods for cyber-physical systems of systems

ICT-02-2018: Flexible and Wearable Electronics

ICT-03-2018-2019: Photonics Manufacturing Pilot Lines for Photonic Components and Devices

ICT-04-2018: Photonics based manufacturing, access to photonics, datacom photonics and connected lighting

ICT-05-2019: Application driven Photonics components

ICT-06-2019: Unconventional Nanoelectronics

ICT-07-2018: Electronic Smart Systems (ESS)

ICT-08-2019: Security and resilience for collaborative manufacturing environments

ICT-09-2019-2020: Robotics in Application Areas

ICT-10-2019-2020: Robotics Core Technology

European Data Infrastructure: HPC, Big Data and Cloud technologies

ICT-11-2018-2019: HPC and Big Data enabled Large-scale Test-beds and Applications

ICT-12-2018-2020: Big Data technologies and extreme-scale analytics

ICT-13-2018-2019: Supporting the emergence of data markets and the data economy

ICT-14-2019: Co-designing Extreme Scale Demonstrators (EsD)

ICT-15-2019-2020: Cloud Computing

ICT-16-2018: Software Technologies

5G



ICT-17-2018: 5G End to End Facility  
ICT-18-2018: 5G for cooperative, connected and automated mobility (CCAM)  
ICT-19-2019: Advanced 5G validation trials across multiple vertical industries  
ICT-20-2019-2020: 5G Long Term Evolution  
ICT-21-2018: EU-US Collaboration for advanced wireless platforms  
ICT-22-2018: EU-China 5G Collaboration  
ICT-23-2019: EU-Taiwan 5G collaboration

#### Next Generation Internet (NGI)

ICT-24-2018-2019: Next Generation Internet - An Open Internet Initiative  
ICT-25-2018-2020: Interactive Technologies  
ICT-26-2018-2020: Artificial Intelligence  
ICT-27-2018-2020: Internet of Things

ICT-28-2018: Future Hyper-connected Sociality  
ICT-29-2018: A multilingual Next Generation Internet  
ICT-30-2019-2020: An empowering, inclusive Next Generation Internet  
ICT-31-2018-2019: EU-US collaboration on NGI

#### Cross-cutting activities

ICT-32-2018: STARTS - The Arts stimulating innovation  
ICT-33-2019: Startup Europe for Growth and Innovation Radar  
ICT-34-2018-2019: Pre-Commercial Procurement open  
ICT-35-2018: Fintech: Support to experimentation frameworks and regulatory compliance

#### Call - Digitising and transforming European industry and services: digital innovation hubs and platforms Introduction

##### Support to Hubs

DT-ICT-01-2019: Smart Anything Everywhere  
DT-ICT-02-2018: Robotics - Digital Innovation Hubs (DIH)  
DT-ICT-03-2020: I4MS (phase 4) - uptake of digital game changers and digital manufacturing platforms  
DT-ICT-04-2020: Photonics Innovation Hubs  
DT-ICT-05-2020: Big Data Innovation Hubs  
DT-ICT-06-2018: Coordination and Support Activities for Digital Innovation Hub network

##### Platforms and Pilots

DT-ICT-07-2018-2019: Digital Manufacturing Platforms for Connected Smart Factories  
DT-ICT-08-2019: Agricultural digital integration platforms  
DT-ICT-09-2020: Digital service platforms for rural economies  
DT-ICT-10-2018-19: Interoperable and smart homes and grids  
DT-ICT-11-2019: Big data solutions for energy  
DT-ICT-12-2020: The smart hospital of the future  
DT-ICT-13-2019: Digital Platforms/Pilots Horizontal Activities

##### Call - Cybersecurity

SU-ICT-01-2018: Dynamic countering of cyber-attacks  
SU-ICT-02-2020: Building blocks for resilience in evolving ICT systems  
SU-ICT-03-2020: Advanced cybersecurity and digital privacy technologies  
SU-ICT-04-2019: Quantum Key Distribution testbed

##### Call - EU-Japan Joint Call

EIJ-01-2018: Advanced technologies (Security/Cloud/IoT/BigData) for a hyper-connected society in the context of Smart City

EUJ-02-2018: 5G and beyond

Call - EU-Korea Joint Call

EUK-01-2018: Cloud, IoT and AI technologies

EUK-02-2018: 5G

Further information:

[https://ec.europa.eu/programmes/horizon2020/sites/horizon2020/files/h2020-leit-ict-2018-2020\\_pre\\_publication.pdf](https://ec.europa.eu/programmes/horizon2020/sites/horizon2020/files/h2020-leit-ict-2018-2020_pre_publication.pdf)

<https://ec.europa.eu/programmes/horizon2020/en/information-and-communication-technologies-work-programme-2018-20-preparation>

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## **8. /EU HORIZON 2020\*/ Draft Workprogramme Science with and for Society**

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Die Europäische Kommission hat einen Entwurf für das Arbeitsprogramm 2018 - 2020 veröffentlicht. Beachten Sie bitte, dass es sich bei diesem Dokument um einen vorläufigen Entwurf handelt

Call - Science with and for Society

Strategic orientation 1. Accelerating and catalysing processes of institutional change

SwafS-01-2018-2019: Open schooling and collaboration on science education

SwafS-02-2018: Innovative methods for teaching ethics and research integrity

SwafS-03-2018: Developing research integrity standard operating procedures

SwafS-04-2018: Encouraging the re-use of research data generated by publically funded research projects

SwafS-05-2018-2019: Grounding RRI practices in research and innovation funding and performing organisations

SwafS-06-2018: Science4Refugees

SwafS-07-2019: EURAXESS TOP V

SwafS-08-2019: Research innovation needs & skills training in PhD programmes

Strategic orientation 2. Stepping up support to Gender Equality in Research & Innovation policy

SwafS-09-2018-2019: Supporting research organisations to implement gender equality plans

SwafS-10-2018: Analysing gender gaps and biases in the allocation of grants

SwafS-11-2019: Scenarios for an award/certification system for gender equality in research organisations and universities in Europe

SwafS-12-2019: The gender perspective of science, technology and innovation (STI) in dialogue with third countries

SwafS-13-2018: Gender Equality Academy and dissemination of gender knowledge across Europe

Strategic orientation 3. Building the territorial dimension of SwafS partnerships

SwafS-14-2018-2019: Supporting the development of territorial Responsible Research and Innovation

SwafS-22-2018: Mobilising Research Excellence in EU Outermost Regions (OR)

Strategic orientation 4. Exploring and supporting citizen science

SwafS-15-2018-2019: Exploring and supporting citizen science

SwafS-16-2019: Ethics of Innovation: the challenge of new interaction modes

Strategic orientation 5. Building the knowledge base for SwafS

SwafS-17-2019: Consolidating and expanding the knowledge base on citizen science

SwafS-18-2018: Taking stock of the application of the precautionary principle in R&I

SwafS-19-2018-2019: Taking stock and re-examining the role of science communication Horizon

SwafS-20-2018-2019: Building the SwafS knowledge base

SwafS-21-2018: Advancing the Monitoring of the Evolution and Benefits of Responsible Research and Innovation

Other actions

1. Expert group to update and expand "Gendered Innovations/ Innovation through Gender"
2. Monitoring gender equality in Research and Innovation - Development, implementation and dissemination of indicators
3. European Union Contest for Young Scientists (EUCYS) 2018
4. European Union Contest for Young Scientists (EUCYS) 2019
5. The Euroscience Open Forum (ESOF) 2020
6. Tender accreditation HR Strategy
7. HR Strategy mutual learning seminars
8. EURAXESS Portal + IS Coordinator
9. Researchers' Conference 2019
10. EURAXESS Biennial Conference
11. Promotion of the EURAXESS initiative
12. Industrial Talents dimension of the Innovative Doctoral Training Principles
13. International EURAXESS Conference (WORLDWIDE)
14. EURAXESS WORLDWIDE implementation
15. RESAVER- Support to RESAVER Pension Fund
16. Fostering transnational cooperation between National Contact Points (NCP) in the area of Science with and for Society: follow-up project
17. Debate Science! European Youth Parliaments
18. Stocktaking of 20 years of Gender equality in Research and Innovation
19. EU Prize for Women Innovators
20. Expertise
21. External expertise for ad hoc tasks related to the implementation of Horizon 2020 Ethics Appraisal scheme

Further information:

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## **9. /EU\*/ European Year for Cultural Heritage 2018: Call for proposals; Deadline: 22 Nov 2017**

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/ERRIN/ Under its Creative Europe programme for the cultural and creative sectors, the Commission has launched a call for proposals to fund transnational cooperation projects linked to the European Year of Cultural Heritage 2018. The call is an invitation to cultural actors such as concert halls, opera houses and theatre groups across the EU to get involved in the Year's activities to reinforce a sense of belonging to a common European space.

Projects should start between January and September 2018, and can run for a maximum duration of 24 months.

Further information:

<http://errin.eu/content/european-year-cultural-heritage-2018-commission-launches-call-proposals>

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## **10. /EU Erasmus+ Education 2018 - Key Action 2: Cooperation for innovation and the exchange of good practices; Application deadline: 9 February 2017 at 12:00 midday Brussels time**

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/EU/ Erasmus+ - Key Action 2 - Capacity building in the field of higher education

Capacity-building projects in the field of higher education support the modernisation, accessibility and internationalisation of higher education in Partner Countries. These projects build on the success of the Alfa, Edu-link and Tempus programmes.

Length: 2 or 3 years

Minimum grant award: 500.000€

Maximum grant award: 1.000.000€

The projects aim to encourage cooperation between the EU and Partner Countries and support eligible Partner Countries in addressing challenges in the management and governance of their higher education institutions. This includes improving the quality of higher education, developing new and innovative education programmes, modernising higher education systems through reform policies as well as fostering cooperation across different regions of the world through joint initiatives.

There are 2 types of capacity-building projects:

- o Joint projects: aimed at organisations to help improve curriculums, governance, and the strengthening of relations between higher education systems.

- o Structural projects: aimed at promoting reforms in higher education systems, modernising policies, governance and strengthening relations between higher education systems and the wider economic and social environment.

In the case of capacity-building projects targeting eligible Partner Countries from Regions 1, 2 and 3 (refer to Part A of the Erasmus+ Programme Guide), both categories of projects (Joint Projects and Structural Projects) may include, in addition, a Special Mobility Strand for staff and students. This Mobility Strand is evaluated separately.

Capacity-building projects can be:

- o National projects involving institutions from only one eligible Partner Country

- o Multi-country projects within one single region, involving at least two countries from this region

- o Multi-country projects involving more than one region and involving at least one country from each region concerned

Joint Projects

- o The development, testing and adaptation of:

- o curricula, courses, learning materials and tools

- o learning and teaching methodologies and pedagogical approaches,

- o new forms of practical training schemes and study of real-life cases in business and industry

- o university-enterprise cooperation and business start-ups

- o new forms of learning and providing education and training

- o virtual mobility, open educational resources

- o guidance, counselling and coaching methods and tools

- o tools and methods for professionalization and professional development of academic and administrative staff

- o quality assurance at programme and institution level

- o new governance and management systems and structures

- o modern university services e.g. for financial management, international relations, student counselling and guidance, academic affairs and research

- o Strengthening of the internationalisation of HEI and capacity to network effectively in research, scientific and technological innovation

- o Upgrading of facilities

- o Staff trainings

Structural Projects

- o strengthening the internationalisation of higher education systems

- o introducing Bologna-type reforms (three-level cycle system, quality assurance, evaluation, etc.)
- o implementing transparency tools such as credit systems, accreditation procedures, guidelines for the recognition of prior and non-formal learning etc.
- o establishment of National Qualification Frameworks;
- o development and implementation of internal and external quality assurance systems/guidelines
- o development and implementation of new approaches and tools for policy making and monitoring, including the establishment of representative bodies, organisations or associations
- o strengthening the integration of education, research and innovation.

In more concrete terms, these activities can include:

- o surveys and studies on specific reform issues
- o policy and expert advice
- o conferences, seminars, workshops, round tables
- o staff trainings on policy issues
- o organisation of awareness-raising campaigns

#### Special mobility Strand

In both categories of projects described above, a Special Mobility Strand may be granted comprising one or more of the following activities and concerns exclusively projects with Partner Countries belonging to Region 1, 2 and 3.

#### Student mobility

- o a study period abroad at a partner HEI
- o a traineeship (work placement) abroad in an enterprise or any other relevant workplace in one of the consortium countries
- o a combination of both

#### Staff mobility

- o a teaching period at a partner HEI abroad
- o a training period in one of the consortium countries

Further information:

[https://eacea.ec.europa.eu/erasmus-plus/funding/capacity-building-higher-education-2018\\_en](https://eacea.ec.europa.eu/erasmus-plus/funding/capacity-building-higher-education-2018_en)

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## **11. /BMBF\*/ Förderung der Forschung zur Internationalisierung der Berufsbildung, Termin: 31.3.2018**

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/BMBF/ Mit der vorliegenden Förderrichtlinie soll die institutionalisierte Berufsbildungsforschung, das fünfte Kernelement der bilateralen Berufsbildungszusammenarbeit, für die internationale Zusammenarbeit gestärkt und ausgebaut werden. Deutsche akademische Expertise im Bereich der Berufsbildungsforschung und der Ausbildung akademischen Berufsbildungspersonals soll ausländischen Partnern zugänglich gemacht werden und sie bei der Reform ihrer nationalen Systeme unterstützen. Im Rahmen dieser Förderbekanntmachung sollen Projekte gefördert werden, die zu einem der folgenden Schwerpunkte beitragen: Aktuelle Themen der Berufsbildungsforschung im Rahmen von Berufsbildungsk Kooperationen

- Forschung zu Voraussetzungen für erfolgreiche Berufsbildungszusammenarbeit in Ländern, mit denen eine BMBF-Berufsbildungsk Kooperation besteht, sowie in weiteren Regionen und Ländern
- Entwicklung von gemeinsamen Pilotmaßnahmen zum Aufbau von Kapazitäten zur Berufsbildungsforschung in den BMBF-Partnerländern

Voraussetzung für die Förderung eines Vorhabens ist, dass an den Projekten mindestens eine deutsche und eine Forschungseinrichtung/Universität aus dem jeweils avisierten Partnerland beteiligt sind. Ausländische Partner können keine Fördermittel aus dieser Fördermaßnahme beantragen; es wird

erwartet, dass die Finanzierung ausländischer Partner als Eigenleistung erfolgt.

Das Antragsverfahren ist zweistufig angelegt.

Weitere Informationen:

<https://www.bmbf.de/foerderungen/bekanntmachung-1417.html>

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## **12. / BMEL\*/: ERA-Net Bioenergy: Transnationale projects on the subject biomass within energy systems and circular economy - Pre-Announcement**

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ERA-Net Bioenergy published the pre-announcement for the 12th Joint Call for Research, Development & Innovation Proposals of the ERA-NET Bioenergy and 2nd additional Joint Call for Research, Development & Innovation Proposals of the ERA-NET COFUND Bioenergy Sustaining the Future (BESTF3).

The call is expected to open in October 2017 with a closing date for pre-proposals in January 2018:

Topic: Biomass as an important pillar within energy systems and the circular economy

The call "Biomass as an important pillar within energy systems and the circular economy" aims to support innovative, collaborative pan-European, R&D&I projects focussing on technology readiness levels 2-7 (at the end of the funded project). Funding will be offered to excellent R&D&I proposals that provide clear added value through cooperation of partners in at least two (preferably more) participating countries. Novelty beyond the state of the art in the addressed value chain must be significant, and evidence of exploitation potential must be provided (e.g. by way of tangible industry commitment). Public funding would be available for this joint call from funding bodies in Austria, Germany (Bundesministerium für Ernährung und Landwirtschaft, Fachagentur für Nachwachsende Rohstoffe), Poland, The Netherlands, Sweden and Switzerland. The indicative total available budget amounts to ca. 10 Mio €.

Weitere Informationen:

<http://eranetbioenergy.net/>

<http://www.eranetbioenergy.net/file/download/52321632>

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## **13. /BMEL\*/ ERA-Net ForestValue, Deadline: 1. Dezember 2017 (pre-proposal)**

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/BMEL/ The overarching aim of the call is to support projects that will address the development and/or proof of novel strategies, methods, processes or products designed to support the forestry and forest-based industries (incl. their respective partners, resellers, consumers, end-users) on their way towards novel bio-products/services while remaining competitive and efficient providers of sustainable products and services. Attention will be given to currently underused potentials in the production and processing chain of the forest-based sector to develop novel ideas and create new markets. The indicative total available budget amounts to 25 million € (national public funding including EC top-up funding of 5 million €). The total call volume with industrial co-funding is estimated to be above 30 million €. The topics of the planned ForestValue joint call will contribute to "transforming the global economy from a dependence on fossil and non-renewable raw materials to a sustainable "bio-based economy". The exact scope will be defined and decided by the Call Steering Committee but the expected main directions of the call are:

A. Sustainable management of forests



B. Innovative production technologies, industrial processing, products and services

Weitere Informationen:

<https://www.era-learn.eu/network-information/networks/forestvalue/forestvalue-cofund-call> <https://www.sumforest.org/blog/2017/04/28/forestvalue-call-for-proposals-pre-announcement/>

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#### **14. /BMBF\*/ Deutsch-schwedische Kooperation (Röntgen-Ängström Cluster); Termin: 1.12.2017**

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Förderung innerhalb des Rahmenprogramms „Erforschung von Universum und Materie - ErUM“  
Gegenstand der Förderung sind Verbundprojekte, die gemeinsam von deutschen und schwedischen Forschungsgruppen in den Bereichen Strukturbiologie oder Materialforschung mit Neutronen oder Synchrotronstrahlung durchgeführt werden und auf den Anwendungszweck ausgerichtet sind. Die binationalen Verbundprojekte müssen mindestens eine der unten genannten Photonen- bzw. Neutronenquellen als Großgerät einbeziehen. Im Mittelpunkt der Förderung stehen die Erarbeitung neuer Forschungstechniken und -methoden sowie der Ausbau der experimentellen Infrastruktur mit dem Ziel, die Nutzungsmöglichkeiten und Leistungsfähigkeit der Forschungsinfrastrukturen zu steigern. Die Förderung des wissenschaftlichen Nachwuchses wird ausdrücklich begrüßt.

Photonenquellen:

- o BESSY II, Helmholtz-Zentrum für Materialien und Energie, Berlin
- o FLASH, Deutsches Elektronen-Synchrotron DESY, Hamburg
- o PETRA III, Deutsches Elektronen-Synchrotron DESY, Hamburg
- o European XFEL, Schenefeld
- o MAX IV Laboratory, Lund

Neutronenquellen:

- o FRM II, Technische Universität München, Garching
- o HFR, Institut Laue-Langevin, Grenoble
- o European Spallation Source (im Bau), Lund

Wissenschaftliche Themen, die von der Entwicklung neuer Instrumentierung bzw. Methoden losgelöst sind, sind nicht Gegenstand dieser Fördermaßnahme. Dazu zählt beispielsweise der Routinebetrieb von Experimentiereinrichtungen oder Standardausrüstungen im Umfeld der Quelle.

Mit der Abwicklung der Fördermaßnahme hat das BMBF derzeit folgenden Projektträger (PT) beauftragt:

Projektträger DESY

22603 Hamburg

Telefon: 0 40/89 98-37 02

Telefax: 0 40/89 94-37 02

E-Mail: [pt@desy.de](mailto:pt@desy.de)

Internet: <http://pt.desy.de>

Ansprechpartner sind:

Dr. Caroline Toeche-Mittler (Photonen), Telefon: 0 40/89 98-50 26, E-Mail: [caroline.toeche-mittler@desy.de](mailto:caroline.toeche-mittler@desy.de)

Dr. Tinka Spehr-Bechmann (Neutronen), Telefon: 0 40/89 98-50 37, E-Mail:

[tinka.spehr-bechmann@desy.de](mailto:tinka.spehr-bechmann@desy.de)

Dr. Jochen Würges (Photonen), Telefon: 0 40/89 98-50 38, E-Mail: [jochen.wuerges@desy.de](mailto:jochen.wuerges@desy.de)

Weitere Informationen:

<https://www.bmbf.de/foerderungen/bekanntmachung-1414.html>

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**15. /Sonstige/ NIH Blueprint for Neuroscience Research: Dynamic Neuroimmune Interactions in the Transition from Normal CNS Function to Disorders (R01), Deadline: December 7, 2017, by 5:00 PM local time of applicant organization**

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/NIH/ The NIH Blueprint for Neuroscience Research is a collaborative framework through which 14 NIH Institutes, Centers and Offices jointly support neuroscience-related research, with the aim of accelerating discoveries and reducing the burden of nervous system disorders.

The goal of this FOA is to transform our understanding of how dynamic interactions among multiple cell types involved in neuroimmune interactions (e.g., neurons, glia cells, neurovascular units, or other neuroimmune components) mediate the transition from normal central nervous system (CNS) function to disorder conditions. Previous findings have markedly advanced our knowledge of neuroimmune interactions during normal brain function, neurodevelopment, and in the context of established diseases. However, there is a lack of understanding of how multiple neuroimmune components mediate transitions from normal brain function to the early stages of CNS disorders, how changes in immune signaling are integrated into neuronal networks, and how disease progression is orchestrated by multiple neuroimmune components. With this FOA, we encourage projects that combine diverse expertise and use innovative approaches to address these questions at the molecular, cellular, and circuitry levels. The outcomes of this research will provide an integrated view of the dynamic changes among multiple neuroimmune components and how they contribute to the onset and progression of CNS disorders.

Further information:

<https://grants.nih.gov/grants/guide/rfa-files/RFA-AA-18-007.html>

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**16. /Sonstige/ ERA-Net Smart Grid Plus, 3rd Joint Call for Transnational RDD Projects, Deadline: 14 November 2017, 14:00 CET**

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/ERA-net Smart Grid Plus/ ERA-Net Smart Grids Plus will promote piloting and demonstration in the field of smart grids. Projects shall develop technologies, systems and solutions that make it possible for energy systems to supply, host and utilize up to 100% renewable energy. This includes solutions within new local energy communities as well as through the integration of various regional and local energy systems into a larger pan-European energy system. Focus will be given to validation, scale-up and replication. The three research layers of Stakeholder/Adoption, Marketplace and Technology (see section 3.1) should be an integrated part of this focus. The aim is to push solutions to meet Technology Readiness Levels (TRLs, see definitions in Annex C) 5-6 to TRLs 6-7.

The main challenges are:

1. Enabling an increased flexibility of the power system to cope with the growing share of intermittent, variable and decentralised renewable generation and managing the complex interactions between large energy stakeholders and local/regional energy stakeholders.
2. Increasing network capacity to support increased generation and transmission resulting from renewables and to strengthen the internal energy market.
3. Providing information, services, market architectures and privacy guarantees to support open markets for energy products and services, whilst facilitating the active participation of customers.

Further information:

<http://www.eranet-smartgridsplus.eu/joint-calls/3rd-joint-call-2017/>

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### **17. /BMWi\*/ Transnationale Verbundprojekte mit Spanien im Rahmen des EUREKA-Programms, Termin: 20.12.2017**

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/EUREKA/ Spanien und Deutschland fördern gemeinsame Forschungs- und Entwicklungsprojekte mit dem Schwerpunkt Entwicklung von innovativen Produkten und Anwendungen in allen Technologie- und Anwendungsbereichen. Von den Bewerbern werden marktreife Lösungen oder Projekte mit einem großen Marktpotential für deutsche und spanische Märkte erwartet.

Die Projektvorschläge müssen u. a. den folgenden Richtlinien entsprechen:

Es müssen mindestens ein spanisches und ein deutsches KMU beteiligt sein, wobei die Teilnahme von Forschungsinstituten / Universitäten als zusätzliche Teilnehmer oder Unterauftragnehmer nach den Fördervorschriften des jeweiligen Landes willkommen ist.

Das Projekt sollte einen offensichtlichen Vorteil und einen Mehrwert haben, der sich aus der Zusammenarbeit zwischen den Teilnehmern aus den beiden Ländern ergibt (z. B. erhöhte Wissensbasis, kommerzielle Leads, Zugang zu FuE-Infrastruktur, neue Anwendungsfelder usw.).

Der komplette Antrag für das ganze Konsortium muss auf der online EUREKA-Plattform eingereicht werden. Zusätzlich müssen alle Partner ihren Antrag entsprechend der nationalen Vorgaben einreichen. In Deutschland muss der Antrag den Richtlinien für ZIM entsprechen.

Weitere Informationen:

<http://www.eurekanetwork.org/germain-spain-call-2017>

<https://www.zim-bmwi.de/kooperationsprojekte>

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### **18. /BMBF\*/ Wissenschaftlich-Technologische Zusammenarbeit (WTZ) mit dem palästinensischen Ministerium für Bildung sowie höhere Bildung, Termin: 6.12.2017**

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Ziel der Förderbekanntmachung des Bundesministeriums für Bildung und Forschung (BMBF) ist der Aufbau bzw. die Vertiefung der wissenschaftlichen bilateralen Kooperation zwischen deutschen und palästinensischen Forschungseinrichtungen, Universitäten und innovativen Unternehmen im Bereich von Wissenschaft und Forschung.

Es geht um die Förderung der Zusammenarbeit im Bereich der wissenschaftlichen Forschung und technologischen Entwicklung zwischen Deutschland und der Palästinensischen Autonomiebehörde durch die Unterstützung von gemeinsamen deutsch-palästinensischen Mobilitätsprojekten zur Etablierung gemeinsamer Forschungspartnerschaften in der angewandten Forschung.

Antragstellungen werden aus den nachfolgend genannten Schwerpunktbereichen entgegengenommen:

- Materialwissenschaften,
- landwirtschaftliche Forschung und Management von Natürlichen Ressourcen,
- Erneuerbare Energien,
- Informations- und Kommunikationsmanagement,
- Gesundheitsforschung,
- Interdisziplinäre und Angewandte Geisteswissenschaften.

Zudem sollen die Projektvorschläge möglichst folgende Komponenten bzw. Querschnittsaspekte enthalten (nicht -zwingend erforderlich):

IKT Management,  
anwendungsorientierte Ausbildung(s)/Training(s)-Elemente,  
Kommunikation und Netzwerkbildung.

Ebenso wird die Beteiligung von mehr als einem, jedoch nicht mehr als maximal drei Projektpartnern auf palästinensischer Seite angeregt und unterstützt.

Die Förderung bezieht sich auf den Personalaustausch, die Koordinierung der bilateralen Kooperation und auf die Organisation von Veranstaltungen. Die geplanten Maßnahmen sollen Forschungsvorhaben begleiten, die aus anderen Quellen finanziert sind.

Weitere Informationen:

<https://www.bmbf.de/foerderungen/bekanntmachung-1401.html>

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## 19. /DFG/ Brazilian-German Collaboration in Research

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/DFG/ Regular funding programmes for cooperation with Brazilian National Institutes of Science and Technology (INCTs)

The National Institutes of Science and Technology (INCTs) are placed in a strategic position in the Brazilian National System of Science, Technology and Innovation. One of the objectives of the INCT Programme is to promote the interaction with international groups of excellence in the specific area of research. Therefore, the institutes should promote actions that enable international collaboration with excellence groups of leading countries in the respective area, aiming not only at scientific production and the improvement of its quality, but also at the mobility of researchers who are already trained or in process of training.

As announced by the National Council for Scientific and Technological Development (CNPq) in October 2016, 101 INCTs will receive a total of R\$ 600 million of funding for a six-year period. Funding is provided by federal and state research funding organisations of Brazil, ministries and other federal or state entities, besides private enterprises. Further 151 institutes were awarded the 'INCT seal' for excellent research proposals.

7 out of the 101 funded INCTs as well as 13 out of the 151 'INCT seal' awarded institutes already have cooperation partners with German research institutions. In order to enhance these collaborations and to foster the establishment of new ones, the Deutsche Forschungsgemeinschaft (DFG, German Research Foundation) would like to call attention to the various funding programmes available to scientists working in Germany that provide opportunities for joint research activities. For existing collaborations, the research grants programme as well as the coordinated programmes of the DFG can be used to unilaterally finance joint activities with INCTs. German researchers who are looking for new interactions with individuals or groups inside an INCT may apply within the programme 'Initiation of International Collaboration' for funding of trips abroad, guest visits or workshops. These opportunities follow the general DFG funding lines and budgets. There are no additional funds available, and proposals must succeed on the strengths of their intellectual merit in comparison with other proposals.

Led by groups of excellence, INCTs are characterized as research structures that develop network projects in an articulated way with measurable and clearly defined objectives and goals, with focus on cutting edge researches and/or state public policies. Each Institute has a clearly defined theme or area of activity and must cover preferentially four aspects: research, training of human resources, internationalization and knowledge transfer to the entrepreneurial sector and/or to the public sector. Additionally, considering their strategic nature, all INCTs foresee actions in a fifth aspect: the diffusion and the dissemination of knowledge to society. Each institute has an Advisory Committee with at least one external advisor from abroad that visits the institute annually, examines its performance in comparison with the goals approved by the steering committee of the institute.

Contact person at the DFG in Bonn, Germany: Dr. Dietrich Halm, phone +49 228 885-2347,  
Dietrich.Halm@dfg.de

Contact person at the DFG Office Latin America in São Paulo, Brazil: Dr. Kathrin Winkler, phone +55 11  
5189 8308 (BR) or +49 228 885-4550 (D), latinamerica@dfg.de

Further information:

[http://www.dfg.de/foerderung/info\\_wissenschaft/2017/info\\_wissenschaft\\_17\\_58/](http://www.dfg.de/foerderung/info_wissenschaft/2017/info_wissenschaft_17_58/)

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## **20. /DFG/ DFG- RSF Cooperation: Joint German-Russian Project Proposals in all Fields of Science, Deadline: 11 December 2017**

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/DFG/ To facilitate the support of collaborative work between German and Russian research groups, the Deutsche Forschungsgemeinschaft (DFG, German Research Foundation) and the Russian Science Foundation (RSF) have opened the possibility for joint German-Russian project proposals for the funding period 2019 to 2021 in all fields of science. Collaborations of research teams from both countries are invited to submit joint proposals.

At the DFG these proposals are submitted in the funding scheme „Sachbeihilfe/Research Grants" and will be reviewed in competition with all other proposals in this scheme.

The proposal must include a description of the full proposed research programme and research team and describe the total resources for the joint project (that is, the funds requested for both the Russian and German groups). However, the budget forms submitted to the DFG should only indicate the amount requested from the DFG. For the project description please use the "Joint Project Description Template". This document will be the basis for the review process at DFG as well as at RSF to ensure that both sides will judge the project on the same fundament.

Weitere Informationen:

[http://www.dfg.de/foerderung/info\\_wissenschaft/info\\_wissenschaft\\_17\\_61/index.html](http://www.dfg.de/foerderung/info_wissenschaft/info_wissenschaft_17_61/index.html)

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## **21. /DFG/ DFG-SFFRU Cooperation: Possibility for Joint German-Ukrainian Project Proposals in Physics and Mathematics, Deadline registration 4 Dec 2017, Proposals: 11 Dec 2107**

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/DFG/ To facilitate the support of collaborative work between German and Ukrainian research groups, the Deutsche Forschungsgemeinschaft (DFG, German Research Foundation) and the State Fund for Fundamental Research of Ukraine (SFFRU) have opened the possibility for joint German-Ukrainian project proposals in the fields of physics and mathematics (themes falling in the responsibility of the elected grand committees (Fachkollegien) 307¿312). Collaborations of research teams from both countries are invited to submit joint proposals.

At the DFG these proposals are submitted in the funding scheme ¿Sachbeihilfe/Research Grants¿ and will be reviewed in competition with all other proposals in this scheme. It is important to note that there are no separate funds available for these efforts, proposals must succeed on the strengths of their intellectual merit and teams in competition with all other proposals in the funding scheme ¿Sachbeihilfe/Research Grants¿. At the SFFRU the proposals will be part of the joint DFG-SFFRU call.

All proposals will be reviewed by both organisations separately. The results of the review process will be shared between the agencies. Support will be granted for those proposals where both DFG and SFFRU recommend funding.

Proposal preparation and submission:

The eligibility to submit a proposal follows the regulations for the programmes for the joint DFG-SFFRU call at the Ukrainian side and for the funding scheme 'Sachbeihilfe/Research Grants' at the German side (DFG form 50.01). This includes the duty to cooperate ('Kooperationspflicht') within Germany for members of non-university institutions with permanent positions.

Proposals must be submitted to both organisations in parallel in accordance with the proposal preparation requirements of each side, respectively. For German groups this means submission via DFG's elan system according to the guidelines for the Research Grants Programme (DFG form 50.01).

All German applicants are requested to use the 'Joint Project Description Template' instead of form 53/01-05/16. For submission via the elan system German partners should select under 'Call for Proposals' 'DFG-SFFRU 2017'. SFFRU applicants should follow the 'Application Form for the Joint DFG-SFFRU Call', given at the SFFRU webpages under 'Competition F81'. The scientific contents in the project description in both documents must be identical.

The proposal must include a description of the full proposed research programme and research teams and describe the total resources for the joint project (that is, the funds requested for both the Ukrainian and German groups). However, the budget forms submitted to the DFG should only indicate the amount requested from the DFG. For the project description please use the 'Joint Project Description Template'.

Additional documents as CVs of the principal investigators (PI) from both sides must be uploaded following the rules of each organisation respectively. Please note that the reviewers on both sides will need the full information on the PI from Germany as well as from Ukraine.

For German partners please note, that if you are using the elan system for the first time, you need to register prior submitting your application with your complete personal and address details via <http://elan.dfg.de> by 4 December 2017 at the latest.

In accordance with the full proposal target date of the SFFRU, proposals to the DFG should be submitted not later than 11 December 2017.

Further Information:

[http://www.dfg.de/foerderung/info\\_wissenschaft/info\\_wissenschaft\\_17\\_62/index.html](http://www.dfg.de/foerderung/info_wissenschaft/info_wissenschaft_17_62/index.html)

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## **22. /DFG/ Deutsch-italienische Zusammenarbeit in den Geistes- und Sozialwissenschaften 2019; Termin: 15.12.2017**

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/DFG/ Die Villa Vigoni schreibt im Rahmen einer Vereinbarung mit der Deutschen Forschungsgemeinschaft für das Jahr 2019 erneut ein Veranstaltungsprogramm zwischen Deutschland und Italien zur Förderung der Geistes- und Sozialwissenschaften aus.

Kern des Programms sind die Villa Vigoni-Gespräche. Diese gelten Themen, die die aktuellen Debatten zur Kultur, Geschichte und Gesellschaft Europas vertiefen. Im Mittelpunkt steht die intensive Auseinandersetzung im Gespräch, die sich bewusst von den üblichen Konferenzformaten unterscheidet. Die Teilnehmerzahl ist daher begrenzt; ein Kreis von 20 Personen ist die Richtzahl.

Die Villa Vigoni nimmt nun Anträge für Einzelveranstaltungen entgegen. Der Antrag sollte in der Ablaufplanung das Gesprächsformat erkennbar machen. Des Weiteren sollte er dem institutionellen Auftrag der Villa Vigoni Rechnung tragen, 'die deutsch-italienischen Beziehungen in Wissenschaft, Bildung und Kultur im europäischen Geist' zu fördern, und möglichst auch eine Begegnung des wissenschaftlichen Nachwuchses ermöglichen.

Zielsetzung der Villa Vigoni-Gespräche ist u.a. die Exploration aktueller Herausforderungen in den Geistes- und Sozialwissenschaften aus vergleichender deutscher und italienischer Perspektive sowie die Mobilisierung neuer Verbindungen zwischen deutscher und italienischer Wissenschaft. Dabei müssen nicht zwingend exklusiv deutsch-italienische Themen behandelt werden.

Weitere Informationen.

[http://www.dfg.de/foerderung/info\\_wissenschaft/info\\_wissenschaft\\_17\\_64/index.html](http://www.dfg.de/foerderung/info_wissenschaft/info_wissenschaft_17_64/index.html)



[www.villavigoni.it/page.php?sez\\_id=11&pag\\_id=68&ed\\_kind=2&lang\\_id=4](http://www.villavigoni.it/page.php?sez_id=11&pag_id=68&ed_kind=2&lang_id=4)

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### **23. /BMW\*/ Deutsch-Finnische Ausschreibung für gemeinsame Forschungs- und Entwicklungsprojekte mittelständischer Unternehmen, Termin: 15. Dezember 2017**

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Das Bundesministerium für Wirtschaft und Energie (BMWi) hat den 8. Aufruf zur Einreichung von Vorschlägen für gemeinsame Forschungs- und Entwicklungsprojekte (FuE-Projekte) zwischen deutschen und finnischen Unternehmen, zur Entwicklung innovativer Produkte, Verfahren oder technischer Dienstleistungen aus allen Technologie- und Anwendungsbereichen, veröffentlicht.

Antragsberechtigt sind mittelständische Unternehmen aus Deutschland und Finnland. Die Projektteilnehmer finanzieren ihre Kosten aus den jeweiligen nationalen Förderprogramm (ZIM in Deutschland, TEKES in Finnland) und ergänzend mit eigenen Mitteln. Die Teilnahme von mindestens jeweils einem Unternehmen aus Deutschland und Finnland ist obligatorisch.

Weitere Informationen:

<https://www.zim-bmwi.de/internationale-fue-kooperationen/download/ausschreibung-de-fin>

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### **24. /BMBF/ Projektbezogene Mobilität mit Taiwan, Termin: 3.11.2017**

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/BMBF/ Durch die Förderung von Mobilität und gegebenenfalls gemeinsamer Veranstaltungen erleichtert das Programm des Bundesministeriums für Bildung und Forschung (BMBF) die Forschungskooperation zwischen Wissenschaftlerinnen und Wissenschaftlern in Taiwan und Deutschland. Die geförderten Vorhaben sollen auch der Vorbereitung von umfangreicheren Antragstellungen bei BMBF, Europäischer Union (EU) oder Förderorganisationen wie z. B. der Deutschen Forschungsgemeinschaft (DFG) dienen. Die Förderung bezieht sich auf den Personalaustausch, die Koordinierung der Forschungskooperation, vorhaben-bezogene Reise- und Aufenthaltskosten/-ausgaben und auf die Organisation von Veranstaltungen. Die geplanten Maßnahmen sollen Forschungsvorhaben begleiten, die aus anderen Quellen finanziert sind. Sie sollen folgende Ziele verfolgen:

- Förderung des wissenschaftlichen Austauschs mit Taiwan,
- Förderung der internationalen Vernetzung in folgenden thematischen Schwerpunktbereichen:

Materialwissenschaften (ausgenommen Batterieforschung),

Ressourceneffizienter Maschinenbau und begleitende Dienstleistungen,

Biotechnologie,

Erneuerbare Energien (insbesondere Intelligente Energiesysteme und Digitalisierung sowie

Photovoltaik/Halb-leitertechnik),

Smart City (insbesondere Werkzeuge für die „smarte“ Stadtplanung, Transfer von sektoriellen

„Daten-Silos“ zu „ready-to-use“-Datensammlungen, Datenqualität, Datenrechte, Governance,

Co-Produktion in der Stadtentwicklung) sowie

Kreislaufwirtschaft (insbesondere Kunststoffrecycling),

- Vorbereitung von Folgeaktivitäten (z. B. Antragstellung in BMBF-Fachprogrammen, Horizont 2020 u. Ä.),

- Förderung des wissenschaftlichen Nachwuchses.

Das Antragsverfahren ist zweistufig angelegt.

Weitere Informationen:

<https://www.bmbf.de/foerderungen/bekanntmachung-1406.html>

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## **25. /EU HORIZON 2020/ Zentrale Auftaktveranstaltung zum neuen Horizont 2020 Arbeitsprogramm 2018-2020 für den Bereich „Integrative, Innovative und Reflektierende Gesellschaften" am 26. Oktober 2017, Halle**

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/EU-Hochschulnetzwerk Sachsen-Anhalt/ Im Herbst veröffentlicht die Europäische Kommission das nunmehr letzte Horizont 2020 Arbeitsprogramm der 6. Gesellschaftlichen Herausforderung für die Jahre 2018 bis 2020. Mit den neuen Förderthemen und Calls zu „Europa in einer sich verändernden Welt: integrative, innovative und reflektierende Gesellschaften" steht erneut ein breites Portfolio an Fördermöglichkeiten für die Sozial-, Wirtschafts- und Geisteswissenschaften zur Verfügung.

Aus diesem Anlass veranstaltet die Nationale Kontaktstelle Gesellschaft gemeinsam mit dem Unibund Halle-Jena-Leipzig am 26. Oktober 2017 eine zentrale Informationsveranstaltung, zu der das EU-Büro der MLU Sie herzlich einlädt!  
Ort: Halle/Saale, MLU

Die Veranstaltung möchte Informationen zur europäischen Forschungsförderung bereitstellen und gleichzeitig eine Plattform bieten, um mit anderen EU-interessierten und z.T. bereits EU-erfahrenen Wissenschaftlerinnen und Wissenschaftlern aus Deutschland ins Gespräch zu kommen.

Weitere Informationen:

[http://www.euhochschulnetz-sachsen-anhalt.de/Veranstaltungen/Zentrale+Auftrittveranstaltung+zu+m+neuen+Horizont+2020+Arbeitsprogramm+2018\\_2020++26\\_10\\_17+in+Halle-p-578.html](http://www.euhochschulnetz-sachsen-anhalt.de/Veranstaltungen/Zentrale+Auftrittveranstaltung+zu+m+neuen+Horizont+2020+Arbeitsprogramm+2018_2020++26_10_17+in+Halle-p-578.html)

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