

Bavarian
Research Alliance

Current Funding Opportunities

Dr. Mikhail L. Antonkin (Antonkine)

Unit Health Research and Biotechnology



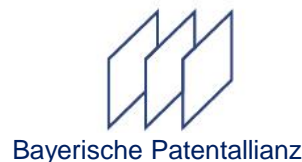
BayFOR as a partner institution in the Bavarian Research and Innovation Agency

Initiative of the Bavarian state government in order to improve:

- Efficiency in technology transfer within Bavaria
- Advisory services on funding possibilities at regional, national and European level (website: www.research-innovation-bavaria.de)
- EU fund acquisition through Bavarian actors, esp. universities and SMEs
- The innovation potential of Bavarian SMEs through qualified advisory services
- The transfer of research findings into innovative products or services



Synergy effects through close cooperation of five experienced partners:





Aims of the Bavarian Research Alliance GmbH (BayFOR)

To strengthen and permanently anchor Bavaria in the European Research Area through:

- Successful acquisition of European and international funding for Bavarian research and innovation projects
- Comprehensive professional support during the application process
- Supporting establishment of promising project consortia
- Establishing contacts between national and international partners from academia and business

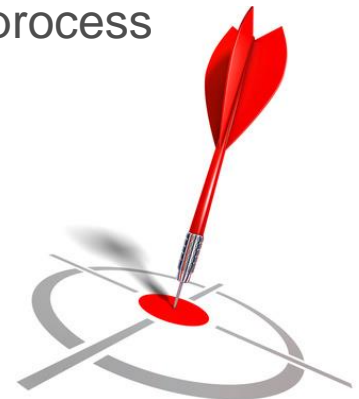
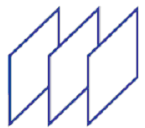


Foto: © Fotolia



Associates & Contributors



Universität
Bayern e.V.

11 Universities



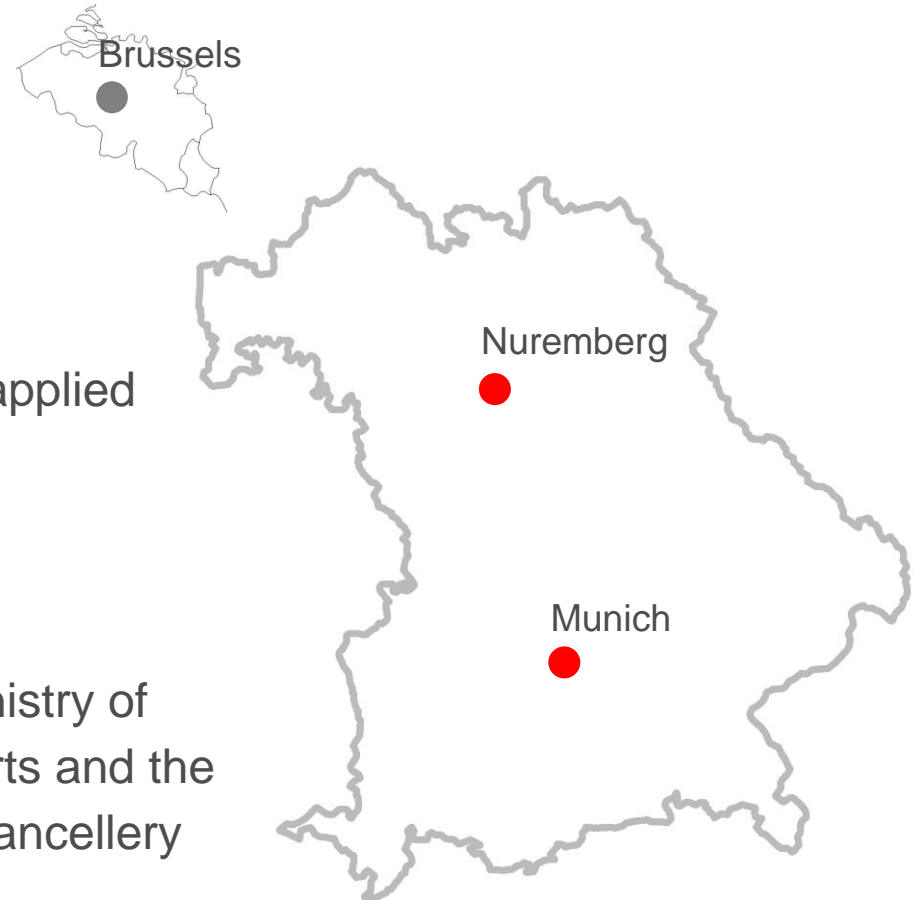
HOCHSCHULE
BAYERN

- The Bavarian Universities
of Applied Sciences - e.V.

20 Universities of applied
sciences



Bavarian State Ministry of
Science and the Arts and the
Bavarian State Chancellery





BayFOR as a „Full Service Provider“

Project management

- Administrative project management for EU projects
- Workshops/trainings for project participants and third-party staff
- Advice on questions related to EU project management
- Public relations for EU projects

Project implementation

- Support for grant agreement preparation
- Assistance with financial and organizational issues



Information

- Information on current and future EU calls for proposals and on how to write a successful application
- Lobbying activities – strategic positioning of ideas

Advisory services

- General and call-specific expert advice on EU funding schemes
- Assistance in assigning project ideas to the appropriate funding scheme

EU application support

- Active support for the entire application process
- Preparation of call-specific information material
- Assistance in the search for cooperation partners (European / international)



European funding and advisory service

- Initiation of projects and finding appropriate funding program for your project ideas
- Finding and providing call-specific information (work programs, guide for applicants, etc.)
- Setting-up contacts between academia, industry and politics
- Search for local and international project partners (**Enterprise Europe Network EEN**)
- Providing Templates for certain parts of proposal such as **Dissemination, Management** etc.
- Active support during entire application process and proposal preparation (e.g. **Impact, Management, 'European added value'**, budget calculation, preparation of Pert and Gantt charts, proof-reading)
- **Critical reading of your proposal**
- Consultation and support during contract negotiations
- Assistance in project management issues and dissemination of research results

Our services are free of charge for ALL projects with Bavarian participation!





Enterprise Europe Network (EEN)



3000

LOCAL
EXPERTS



600+

LOCATIONS



60+

COUNTRIES
WORLDWIDE



Services of the Enterprise Europe Network (EEN)

INTERNATIONAL PARTNERSHIPS

Partnership database

Brokerage events

Company missions

ADVISORY SUPPORT

Advice on EU laws and
standards

Market intelligence

IPR expertise

INNOVATION SUPPORT

Access to finance and funding

Innovation Management
Services

Technology transfer

Visit een.ec.europa.eu for more information!



Bavarian
Research Alliance

Enterprise Europe Network (EEN) in Bavaria



Industrie- und Handelskammer für
München und Oberbayern

Konsortialführer/Koordinator



TÜVRheinland®
LGA



Industrie- und Handelskammer
für Oberfranken Bayreuth



Handwerkskammer
für München und Oberbayern



Auftragsberatungszentrum
Bayern e.V.

AUSSENWIRTSCHAFTSZENTRUM BAYERN

Eine Gemeinschaftsinitiative der Bayerischen Industrie- und
Handelskammern und der Bayerischen Handwerkskammern



Bayerische
Forschungsallianz



Bayern Handwerk
International

Exportfördergesellschaft

bayern  innovativ



Bavarian
Research and
Innovation Agency

Current Funding Opportunities | Dr. Mikhail L. Antonkin (Antonkine) | Munich 07.11.2019



Support during Proposal Preparation

Internal: Scientific Officers/EU-Referenten in your University

External:

- Bavarian Research Alliance www.bayfor.org
- Federal Funding Advisory Service on Research and Innovation (Förderberatung des Bundes) www.foerderinfo.bund.de
- Consultants at the Funding Agencies
- EU-Office of the Federal Ministry of Education and Research (Bundesministerium für Bildung und Forschung (BMBF)) www.eubuero.de/
- Theme-specific National Contact Points www.horizont2020.de/beratung-nks.htm
- European Liaison Office of the German Research Organisations (Kooperationsstelle EU der Wissenschafts-organisationen KoWi)) www.kowi.de

Financial Support for Initiation of International Projects:

Bavaria: BayIntAn, BayLAT, BayCHINA, BFHZ (France), BayHOST (Central, East & South Europe)

Federal Ministry of Education and Research: EU-Antrag-FH,

Land- and/or region-specific calls (for example BMBF MOEL-SOEL)



Bavarian University Funding Programme for the Initiation of International Projects (BayIntAn)

- Grants for initiation of an international project/cooperation
- Cover travel and accommodation expenses (material costs on exceptional basis)
- Scientists of Bavarian state and state supported non-state universities and universities of applied sciences with doctor degree are entitled to apply
- At least one international partner is necessary
- Maximum funding is **€ 10,000** per application
- BayIntAn is based on partial financing
- Contact: internationalisierung@bayfor.org
- Information: www.bayfor.org/internationalisation
- Funded by: **Bavarian State Ministry of Science and the Arts**



Next Deadlines: 12.11.2019, 10.03.2020 and 09.06.2020





Horizon 2020 – EU Framework Programme for Research and Innovation (2014 – 2020)

I. Excellent Science	II. Industrial Leadership	III. Societal Challenges	European Innovation Council	
European Research Council (ERC)	Leadership in Enabling and Industrial Technologies (LEIT)	<ul style="list-style-type: none"> Health, Demographic Change and Wellbeing Food Security, Sustainable Agriculture and Fishery, Bioeconomy Secure, Clean and Efficient Energy Smart, Green and Integrated Transport Resource Efficiency and Raw Materials, Climate Change Europe in a changing world - inclusive, innovative and reflective societies; Secure Societies - protecting freedom and security of Europe and its citizens. 	<ul style="list-style-type: none"> EIC Accelerator Future & Emerging Technologies (FET) Fast Track to Innovation (FTI) Horizon Prizes 	
Marie Skłodowska-Curie Actions	<ul style="list-style-type: none"> Information and Communication Technologies (ICT) Nanotechnologies Biotechnologies New Materials Innovative Manufacturing Space 			
Research Infrastructures (RI)	Access to Risk Finance			

Spreading
Excellence and
Widening
Participation

Joint Research
Center - JRC

Science with
and for Society

The European
Institute of
Innovation and
Technology
(EIT)



Future and Emerging Technologies (FET) Open

Gatekeepers:

- Radical vision
- Breakthrough technological target
- Ambitious interdisciplinary research

Key features:

- „Bottom-up“ approach
- Interdisciplinary consortium of min. 3 Partners from min. 3 EU or Assoc. countries
- Single stage proposal – 15 pages
- Research and Innovation Action (100% + 25% overhead)
- Budget of the Project: about 3 Mio €

FET-Open Supports:

- High-risk/high-impact, visionary ideas in research and technology (from the early stage on)
- Ideas for radically new future technologies
- Unconventional, visionary, interdisciplinary cooperations
- **Target groups:** ambitious hightech-SMEs and young researchers

Next deadline: 13.05.2020



Fast Track to Innovation (FTI)

Objektive: to accelerate the market uptake of ground-breaking innovations

- Innovative ideas get the last push before entering the market
- „Bottom-up“: open to all themes in all fields of sciences
- Strong industry participation is mandatory/Business plan is part of proposal
- Time to market: max. 36 Months **after the Start of the Project**
- Focus on achieving high impact (evaluated first with a threshold 4 out of 5)
- Industry-driven consortium of min. 3 and max. 5 Participants
from min. 3 EU or Assoc. countries
- Innovation Action (70 % of direct costs (100% for Universities) + 25% indirect costs)
- Budget of the Project: max. 3 Mio €
- Project evaluation within 3 months

Next Deadlines: 19.02.2020, 09.06.2020 and 27.10.2020





COST (European Cooperation in Science and Technology)

Objective: to set up interdisciplinary research networks in Europe and beyond

- Promotes global networking of national-funded research
- „Bottom-up“: open to all themes in all fields of sciences
- Focus is on interdisciplinarity and excellence
- All types of institutions and researchers of all career stages can participate
- All COST Member countries can participate. Non-COST Members can also join a COST-Action as Near Neighbour Countries or International Partner Countries.
- COST-Actions run for 4 years and help to build capacity
- Must include min. 50 % participants from South and/or East European countries
- Average COST-Action support is EUR 130,000 per year for 25 participants
- Researchers can join an existing network
- Funding decision within eight months from the collection date (twice a year)

Next Collection Date: 29.04.2020



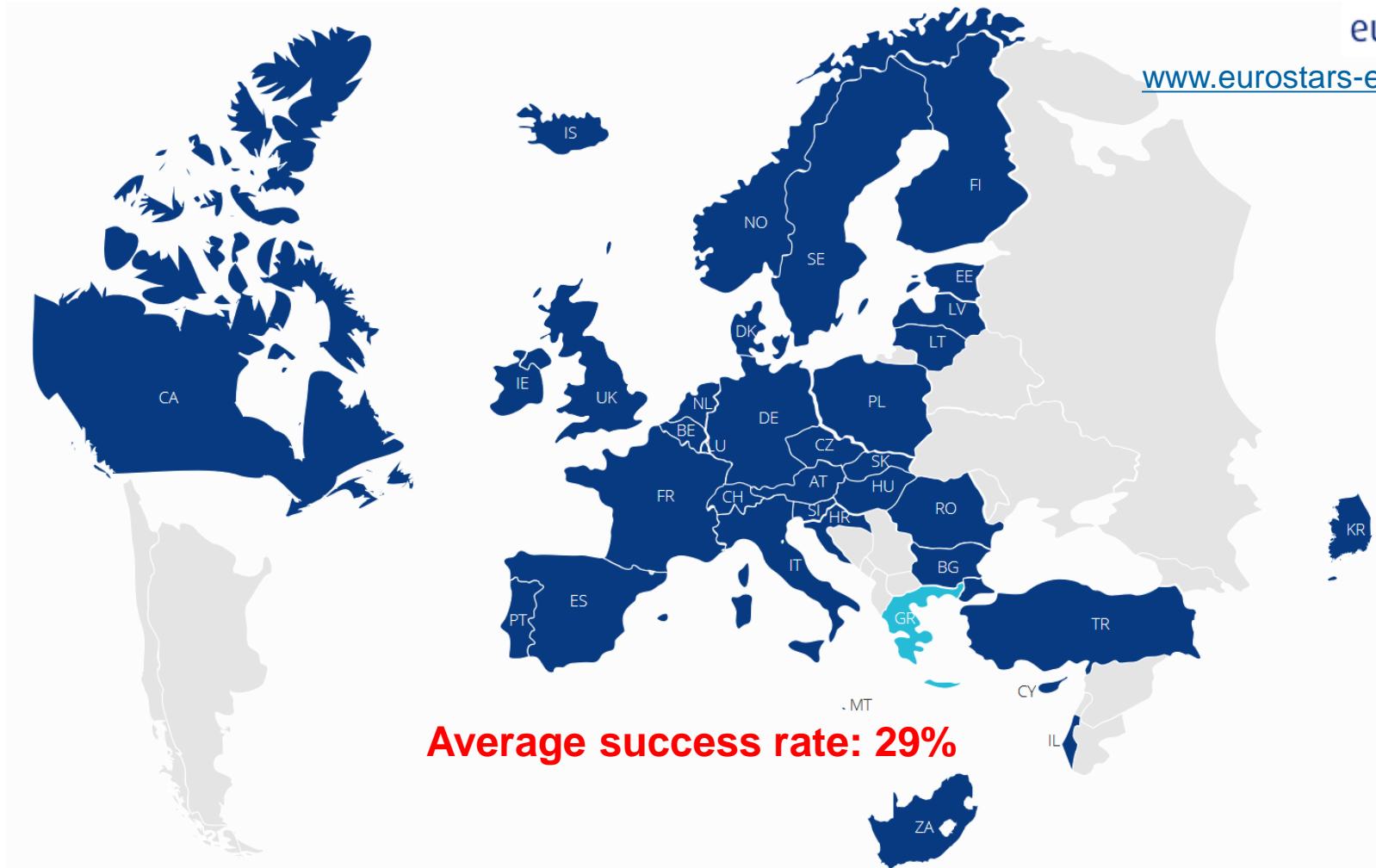


Innovation in SME – EUREKA! Eurostars-2



eurostars™

www.eurostars-eureka.eu



Average success rate: 29%



Innovation in SME – EUREKA! Eurostars-2

Average success rate: 29%

Objective:

Development of innovative products, processes and services
→ gain competitive advantage

Advantages:

- „Bottom-up“: open to all themes in all fields of sciences
- SME-friendly, simplified proposal template
- Fast evaluation of proposals (4 months) at the European level
- National eligibility and funding rules
- Continuous submission of applications throughout the year (two cut-off dates)

Next cut-off date: 13.02.2020



Innovation in SME – EUREKA! Eurostars-2

- Min. 2 partners from 2 different participating countries
- Coordinator – Research&Development-performing SME (10% of turnover in R&D)
- SMEs contribution is 50% or more of the total project cost. No single participant or country is responsible for more than 75 % of the overall costs.
- The project duration is 3 years or less
- Market introduction of the results within 2 years of the project's completion

Exception: Biotechnology, Medicine

→ Start of the clinical trials max. 2 years after the project completion

- **All German partners together can receive not more than 500.000 Euro**
- **Funding rate in Germany:**
SME 50%, Research Organization up to 65% and University up to 100%





Innovation in SME – ZIM International (1)

International calls for proposals





Innovation in SME – ZIM International (2)

Objective: Development of innovative products, processes or technical services

- „Bottom-up“: open to all themes in all fields of sciences
- At least 2 partners (among them at least one company)
- Participation of Universities and Research Organizations is possible
- **Country-specific calls with certain deadlines**
- **Funding rate in Germany:**
 - SMEs 40%-55% (depending on size of the company) (max € 209.000)
 - Research Organization and University 100% (max. € 190.000)

Optional:

Funding of external parties supporting the market launch of the project results



Innovation in SME – IraSME-Programm

Objective: Development of new products, processes or technical services that exceed the state-of-the-art and have market potential
(*very similar to EUROSTARS*).

- „Bottom-up“: open to all themes in all fields of sciences
- Joint work of SMEs from Germany, Luxembourg, Czech Republic, Belgium, Russia, Turkey, Canada (Alberta), Austria (does not take part in the next call)
- Min. 2 SME partners from two participating countries.
- National funding rules apply.
- **Funding rate in Germany:**
SMEs 25%-55% (depending on size/place of business) (max € 209.000)
Research Organization and University 100% (max. € 190.000)

Two deadlines per year in Spring and Autumn. Next Deadline: 26.03.2020



EraNETs (European Research Area Networks)

ERA-LEARN 2020 www.era-learn.eu

ERA PerMed – Personalised Medicine www.erapermed.eu

ERA-NET EURONANOMED III – EUROpean network for transnational collaborative RTD projects in the field of NANOMEDicine www.euronanomed.net

ERA-NET NEURON 2 – Network of European funding for Neuroscience research
www.neuron-eranet.eu

ERA-NET for Research Programmes on Rare Diseases www.erare.eu

ERA-NET PhotonicSensing – Development and Implementation of Photonics Based Sensing Technologies photonicsensing.eu

ERA-NET CVD – Cardiovascular diseases www.era-cvd.eu

European & Developing Countries Clinical Trials Partnership (EDCTP) www.edctp.org

ERA-NET TRANSCAN-2 – Translational Cancer Research 2
www.transcanfp7.eu (end Dec. 2019)

ERA-NET CoSysMed – Systems Medicine to address clinical needs
www.eracosysmed.eu (end Dec. 2019)



JPIs (Joint Programming Initiatives)

Joint Programme – Neurodegenerative Disease Research (JPND)

<http://www.neurodegenerationresearch.eu/>

A Healthy Diet for a Healthy Life (JPI HDHL) www.healthydietforhealthylife.eu

More Years, Better Lives – The Potential and Challenges of Demographic Change (JPI MYBL) www.jp-demographic.eu

Joint Programming Initiative on Antimicrobial Resistance (JPI AMR) www.jp-amr.eu



Thank you for your attention!

Bavarian Research Alliance GmbH



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Photo: © Bavarian Research Foundation,
Christine Reeb



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European Innovation Council (EIC)

FET Open	EIC-Accelerator	Fast Track to Innovation (FTI)	Horizon Prizes	Support and exploratory actions
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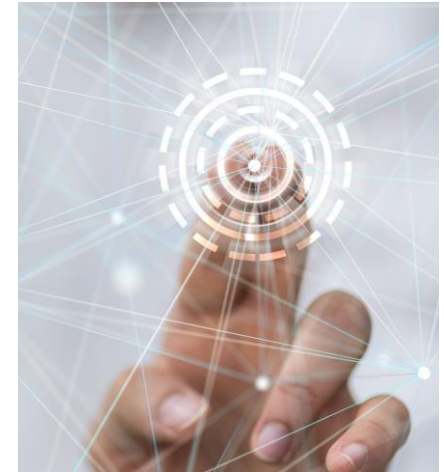
- Supports developing **breakthrough innovations** with the potential to create new markets and boost jobs, growth and prosperity in Europe
- **No thematic restrictions** – „Bottom-up“ approach
- Aimed at people and companies with **radically new ideas**, as compared to existing products or services on the market or under
- **High-risk ideas** that need significant investment to get to market
- Objective is to **strengthen breakthrough innovations** and boost the number of **high-growth companies**

Work program: https://ec.europa.eu/research/participants/data/ref/h2020/wp/2018-2020/main/h2020-wp1820-eic_en.pdf



Enterprise Europe Network: Helping ambitious SMEs innovate and grow internationally

- World's largest support network for small and medium-sized enterprises (SMEs) with international ambitions
- Free support – funded through COSME and Horizon 2020
- 3000 experts in over 600 member organizations in more than 60 countries worldwide (EU, associated states and correspondence centers)
 - ⇒ advice & support
 - ⇒ connecting partners
 - ⇒ supporting innovation
- In Bavaria, SMEs are supported by 10 partners in the Enterprise Europe Network (www.een-bayern.de)



Picture: EASME



Business Support at Your Doorstep



Bavarian Research Alliance as partner in the Enterprise Europe Network

- Consultation on SME participation in European funding programmes for research and innovation
- First check of ideas and proposal support
- Search for project partners for European research proposals and cooperation
- Key account management for SME Instrument/EIC Accelerator beneficiaries from Bavaria
- Signposting to further experts on EU issues like CE norms, country information, secondments, business requests, participation in company missions and trade fairs



Picture: EASME



Business Support at Your Doorstep





European Innovation Council (EIC) Pilot

Pathfinder

FET Open
FET Proactive

Accelerator

Grant
(+ Equity)

FTI

Collaborative
projects

Prizes

Finished
solutions



EIC Pilot

Pathfinder

FET Open
FET Proactive

Accelerator

Grant
(+ Equity)

FTI

Collaborative
projects

Prizes

Finished
solutions

TRL 0: Idea. Unproven concept, no testing has been performed.

TRL 1: Basic research. Principles postulated and observed but no experimental proof available.

TRL 2: Technology formulation. Concept and application have been formulated.

TRL 3: Applied research. First laboratory tests completed; proof of concept.

TRL 4: Small scale prototype built in a laboratory environment ("ugly" prototype).

TRL 5: Large scale prototype tested in intended environment.

TRL 6: Prototype system tested in intended environment close to expected performance.

TRL 7: Demonstration system operating in operational environment at pre-commercial scale.

TRL 8: First of a kind commercial system. Manufacturing issues solved.

TRL 9: Full commercial application, technology available for consumers.



EIC Accelerator Pilot (Nachfolger des SME-Instruments)

- **Zielgruppe:** Start-ups, KMUs
- **Was wird gefördert:** Full-Aktivitäten ab TRL 6, z.B. Demonstration, Durchführung von Tests, Prototyping, Pilotierung, Markt Replikation
- **Fördersumme:**
0,5 - 2,5 Mio. Euro (70 % der direkten und 25% indirekten Projektkosten);
bei Bedarf bis zu 15 Mio. Euro Beteiligungskapital für Aktivitäten ab TRL 9
- **Laufzeit:** 12-24 Monate
- Zusätzliche Business Acceleration Services (Vermittlung von Business Coaches durch Enterprise Europe Network (EEN))
- Zugang zu EIC-Community mit Pitch-Events vor Konzern, Venture Capital Gebern
- **Nächste Deadlines: 09.10.2019, 08.01.2020, 19.05.2020 und 07.10.2020**



IraSME-Programm

Objective: Development of new products, processes or technical services that exceed the state-of-the-art and have market potential (thus similar to EUROSTARS).

- „Bottom-up“: open to all themes in all fields of sciences
- Joint work of SMEs from Germany, Luxembourg, Czech Republic, Belgium, Russia, Turkey, Canada (Alberta), Austria (not in the next call)
- Min. 2 SME partners from two participating countries. National funding rules apply.
- In Germany SMEs receive 25% – 55% reimbursement (depending on size/place of business)
- Max. funding for each German SME is € 380.000
Max. funding for each German University or Research Institute is € 190.000
- **Two deadlines per year in Spring and Autumn. Next Deadline: 26.03.2020**

<http://www.ira-sme.net/>



Unterstützungsmöglichkeiten bei der Antragstellung

Intern: EU-Referenten an der TH Nürnberg (Frau Dr. Just) und PMU (Herr Prof. Bertram)

Extern:

- Bayerische Forschungsallianz www.bayfor.org
- Förderberatung des Bundes www.foerderinfo.bund.de
- Jeweiliger Projektträger
- EU-Büro des BMBF www.eubuero.de/
- Themenbezogene Nationale Kontaktstellen www.horizont2020.de/beratung-nks.htm
- KoWi Kooperationsstelle EU der Wissenschafts-organisationen <http://www.kowi.de>

Finanzierung für Projektanbahnung:

Bayern: BayIntAn, BayLAT, BayCHINA, BFHZ (Frankreich),
BayHOST (Mittel-, Ost- und Südosteuropa)

Bundesministerium für Bildung und Forschung (BMBF): EU-Antrag-FH,
landes- bzw. regionspezifischen Ausschreibungen (z.B. BMBF MOEL-SOEL)