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Inhalte

1. /Erfolgsgeschichten/ DRYADS - ein H2020 Projekt im Bereich Brandforschung

Wir gratulieren Frau Dr.-Ing. Klippel (Institut für Apparate- und Umwelttechnik) zu Ihrem erfolgreich eingereichten Horizon2020 Antrag. Das Projekt mit dem Akronym DRYADS (A Holistic Fire Management Ecosystem for Prevention, Detection and Restoration of Environmental Disasters) startet am 1. Dezember 2021 und wird von der Firma RISE Fire Research aus Norwegen koordiniert. Mit einem Konsortium aus 47 Partnern und einem Gesamtfördervolumen von knapp 23 Mio. ist die OVGU mit 500.000 € am Projekt beteiligt.

Frau Dr.-Ing. Klippel war so freundlich ein kurzes Statement zum Antragsverfahren zu verfassen:

„Die Suche nach einem passenden Konsortium für den Call „Preventing and fighting extreme wildfires with the integration and demonstration of innovative means“ in H2020 gestaltete sich sehr zeitintensiv. Am Ende habe ich durch mein Fire Science Netzwerk Kontakt zum Konsortium DRYADS bekommen. Als nächstes musste ich eine Skizze zu einem möglichen German Pilot Project zur Thematik Waldbrandforschung und meiner Forschungsidee abgeben, bevor wir aufgenommen wurden. Nach der Aufnahme ging die richtige Arbeit am Projektantrag los. Natürlich war der Aufwand nicht ohne, aber schaffbar. Große Unterstützung habe ich durch die Forschungsförderberatung der OVGU erhalten, die mir bei jeder Fragestellung sofort zur Seite stand.“

Wir von der Forschungsförderberatung der OVGU möchten Sie in Zukunft regelmäßig über Erfolgsgeschichten dieser Art informieren.

Bei Fragen zu diesem Projekt oder zur Forschungsförderung im Allgemeinen können Sie sich gerne an uns wenden.

Wir freuen uns auf Ihre Projektideen!

Kontakt Forschungsförderberatung:

<https://www.ovgu.de/KontaktForschungsfoerderung>

2. /DFG/ Taiwan-German Collaboration in Research, deadline: 18.02.2022

The Ministry of Science and Technology of Taiwan (MoST) has launched a new call for proposals in all fields of science in November 2021. The submission deadline in Taiwan will be 18 February 2022. In accordance with the full proposal target date of MoST, proposals at Deutsche Forschungsgemeinschaft (DFG, German Research Foundation) should be submitted not later than 18 February 2022.

This initiative aims to bring together relevant and competitive researchers from Germany and Taiwan to design and carry out collaborative research projects. Funds to be used by the Taiwanese side must be requested from MoST; funds to be used by the German side must be requested from DFG. Special attention is given to the integrated character of proposed projects, from the concept to the work plan. Funding is only available for projects which involve a convincing collaboration between the German and Taiwanese partners and for which the anticipated research benefit is clearly outlined. The collaborative projects selected will receive research funding for a period of up to three years.

Further information:

https://www.dfg.de/foerderung/info_wissenschaft/ausschreibungen/info_wissenschaft_21_105/index.html

3. /DFG/ Weave Lead Agency Initiative: Additional Collaboration Opportunity with F.R.S.-FNRS and FWO (Belgium), deadline: 01.04.2022

The Weave Lead Agency Procedure (Weave) developed by European funding organisations to support excellent collaborative research across borders was launched in December 2020. By means of a single review process, the initiative aims to simplify the submission and selection procedures for closely integrated collaborative research proposals involving researchers from up to three European countries or regions. The Deutsche Forschungsgemeinschaft (DFG, German Research Foundation) already applies Weave together with FWF (Austria), FNR (Luxembourg), SNSF (Switzerland), GACR (Czech Republic) and NCN (Poland). From 1 January 2022 on, the cooperation with F.R.S.-FNRS and FWO (Belgium) commences and opens up new collaboration opportunities.

Background information on the Weave Lead Agency Procedure:

- o Within Weave, researchers from two up to three European countries or regions are able to submit a collaborative research proposal to any of the participating funders.
- o To submit a proposal, all applicants must meet the eligibility requirements of their respective Weave signatory organisation.
- o Weave is based on the Lead Agency Procedure principle. The team of applicants selects a coordinating applicant, who submits the joint proposal to the respective Weave funding organisation in his/her country. This organisation acts as the Lead Agency for the proposal and conducts the evaluation process. Following the assessment, it communicates its funding recommendation to the other funding organisations involved (the Partner Agencies) for approval and budgetary purposes.
- o For further information on the Weave Lead Agency Procedure, please refer to Information on Weave on the DFG-webpage and the website of the Weave Initiative (see links below).

Further information:

https://www.dfg.de/foerderung/info_wissenschaft/ausschreibungen/info_wissenschaft_21_106/index.html

4. /EU Horizon Europe/ Cluster 4 D3: World Leading Data and Computing Technologies 2022, 5 calls open, deadline: 05.04.2022

This Destination is structured into the following headings, which group topics together with similar outcomes to address a common challenge:

Data sharing in the common European data space

Data sharing and data interoperability are still at their infancy; few data markets for sharing industrial data exist. In a recent survey, more than 40% of the SMEs interviewed claim they had problems in acquiring data from other companies. The diffusion of platforms for data sharing and the availability of interoperable datasets is one of the key success factors which may help to drive the European data economy and industrial transformation. On the other hand, Europe is developing a strong legal framework for data and is well positioned to exploit data from the public sector. The potential of European industrial data (from digitising industry) creates great synergies to feed European data ecosystems with industrial, personal, and public sector data, to be shared and exploited in full compliance with the ethical and legal

framework.

In line with the FAIR principles (Findable, Accessible, Interoperable and Reusable), the overall objective of the topics in this heading is to make Europe the most successful area in the world in terms of data sharing and data re-use while respecting the legal framework relating to security and privacy and fostering collaboration and building on existing initiatives.

Strengthening Europe's data analytics capacity

Recent developments in sensor networks, cyber-physical systems, and the ubiquity of the Internet of Things (IoT) and Artificial Intelligence (AI) have increased the collection of data (including health care, social media, smart communities, industry, manufacturing, education, construction, agriculture, water management finance/insurance, tourism, education, and more) to an enormous scale (by 2025, 463 exabytes of data will be produced every day in the world). There is significant potential for advances of data analytics at the intersection of many scientific, technology and societal fields (e.g. data mining, AI, complex systems, network science, statistics, natural language understanding, mathematics, particle physics, astronomy, earth observation...), and new methods and approaches are needed along the whole data life-cycle and value chain.

The overall objective of the topics in this heading is to make the EU fully autonomous in processing, combining, modelling and analysing such large amounts of data for efficiently predicting future courses of action with high accuracy and advanced decision-making strategies. The use of natural resources is reduced and waste avoided by making it possible to replace classical experiments by data-driven digital models. The technological achievements under this heading will support the development of responsible and useful AI solutions, built on high-quality and high-value data.

From Cloud to Edge to IoT for European Data

Today, 80% of the processing and analysis of data takes place in data centres and centralised computing facilities, and 20% in smart connected objects; only 1 European company in 4 use cloud technologies; 75% of the European cloud market is dominated by non-EU players. Considering the pace of development in this area outside of the EU, the implementation of the activities will require R&I instruments with great flexibility, including the support of SMEs and start-ups, to nurture a European ecosystem and deliver swift results.

In line with Europe's data, green and industrial strategies, for capitalising on the paradigm shift to the edge, Europe needs to pool major investments. Focus must be on the development and deployment of the next generation computing components, systems and platforms that enable this transition to a compute continuum with strong capacities at the edge and far edge in an energy efficient and trustworthy manner.

The overall objective of the topics in this heading is to establish the European supply and value chains in cloud to edge computing to Internet of Things (IoT) and tactile internet by integrating relevant elements of computing, connectivity, IoT, AI cybersecurity. New cloud/edge technologies with enhanced performance enabled by AI will increase European autonomy in the data economy required to support future hyper-distributed applications.

5 calls under this destination:

1. Methods for exploiting data and knowledge for extremely precise outcomes (analysis, prediction, decision support), reducing complexity and presenting insights in understandable way (RIA) (HORIZON-CL4-2022-DATA-01-01)
2. Cognitive Cloud: AI-enabled computing continuum from Cloud to Edge (RIA) (HORIZON-CL4-2022-DATA-01-02)
3. Programming tools for decentralised intelligence and swarms (RIA) (HORIZON-CL4-2022-DATA-01-03)

4. Technologies and solutions for data trading, monetizing, exchange and interoperability (AI, Data and Robotics Partnership) (IA) (HORIZON-CL4-2022-DATA-01-04)

5. Extreme data mining, aggregation and analytics technologies and solutions (RIA) (HORIZON-CL4-2022-DATA-01-05)

Further information:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-search;callCode=HORIZON-CL4-2022-DATA-01;freeTextSearchKeyword=;matchWholeText=true;typeCodes=1;statusCodes=3;des=31094501,31094502,31094503;programmePeriod=null;programCcm2Id=null;programDivisionCode=null;focusAreaCode=null;destination=null;mission=null;geographicalZonesCode=null;programmeDivisionProspect=null;subject=null;startDateLte=null;startDateGte=null;crossCuttingPriorityCode=null;cpvCode=null;performanceOfDelivery=null;sortQuery=sortStatus;orderBy=asc;onlyTenders=false;topicListKey=callTopicSearchTableStateTableState>

5. /ERA-CoBioTech/ Open Call for Experts, deadline: 06.12.2021 13:00 CET

The initiative is looking forward to select two high-profile experts with different -but complementary- scientific, social and policy-related expertise to develop a joint Policy Brief.

The call aims to attract experts in biotechnology and social science able to develop a joint document condensing all the new knowledge generated, policy & technology-related challenges and lessons learned towards further research.

The Policy Brief is expected to extract key findings, recommendations, demands and open challenges identified from the projects funded under ERA-CoBioTech's umbrella. In order to involve all relevant actors, an internal joint workshop (including selected experts and project representatives), will have to be arranged and facilitated by the two experts to discuss the document's scope, structure and reach.

The idea is to develop a comprehensive document including recommendations and key data to explore the disruptive potential of the remarkable key-enabling technologies involved in all ERA-CoBioTech's projects (such as SynBio, systems biology, omics...) and identify most relevant challenges ahead.

This call for experts is framed within ERA-CoBioTech's Additional Activities which, apart from joint calls for research proposals, has launched a variety of activities intended to support, train and help its beneficiaries to obtain the maximum impact from their research efforts.

Further information:

https://www.cobiotech.eu/news?news=ERA_CoBioTech_launches_an_Open_Call_for_Experts

6. /Sonstige/ Europa Café: Dynamische Netzwerkarbeit in Sachsen-Anhalt - Der ThinktankDYNA am 07.12.2021

Am 07.12.2021 von 15:00 bis 16:00 Uhr findet im Rahmen der Europa Café Reihe die Veranstaltung „Dynamische Netzwerkarbeit in Sachsen-Anhalt - Der Thinktank DYNA " statt. Dazu stellt sich die Steuerungsgruppe des akademischen Thinktank der Otto-von-Guericke-Universität Magdeburg vor, der sich seit April dieses Jahres im Aufbau befindet. Hier erfahren Sie, wie DYNA die Kommunikationskanäle zwischen Wissenschaft, Wirtschaft, Politik und Zivilgesellschaft in Sachsen-Anhalt untersucht und verbessert und so die Einbindung von wissenschaftlichem Wissen in die Gesellschaft ermöglicht. Die



Veranstaltung ist kostenlos und findet online statt.

Weitere Informationen und Hinweise zur Anmeldung finden Sie hier:
<https://www.euhoerschulnetz-sachsen-anhalt.de/veranstaltungen.html>

7. /Sonstige/ Contact Research Funding Advice of the Otto von Guericke UniversityMagdeburg

For questions about funding opportunities, specific calls for proposals, help with submitting applications and project support, please contact the department for Research Funding Advice/EU-University Network of Otto von Guericke University Magdeburg.

Information on current events, funding structures and contact online at:
<https://www.ovgu.de/en/ContactResearchFundingAdvice>
<https://www.euhoerschulnetz-sachsen-anhalt.de/en/>