



# BayFOR

## Bavarian expert on EU – funding advisory services

for Czech - Bavarian cooperation's  
on EU-funded projects

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Bavarian  
Research Alliance



# 1. Introduction - BayFOR

## 2. BayFOR – Services

## 3. EU-funds: Horizon EUROPE

## 4. Bavarian Strategy



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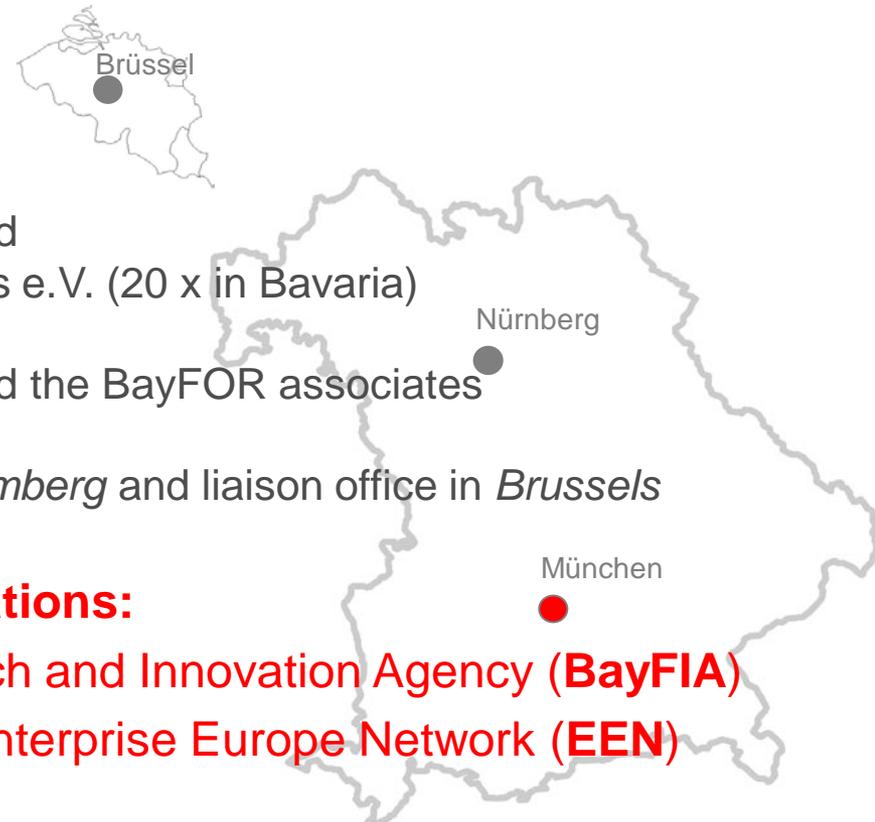
## 4. Bavarian Strategy



## The Bavarian Research Alliance (BayFOR)

Initiative to promote Bavarian stakeholders into European projects, mainly for Horizon EUROPE

- Founded 2006/2007 by our Associates
- Associates:  
University of Bavaria e.V. (11 x in Bavaria) and  
The Bavarian Universities of Applied Sciences e.V. (20 x in Bavaria)
- Funded by the Bavarian state government and the BayFOR associates
- Headquarters in *Munich*, with branch in *Nuremberg* and liaison office in *Brussels*
- **BayFOR and its partners and cooperations:**
  - *in regional networks*: Bavarian Research and Innovation Agency (**BayFIA**)
  - *in international networks*: EU-funded Enterprise Europe Network (**EEN**)





# BayFOR as a partner institution in the Bavarian Research and Innovation Agency (BayFIA)

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](http://www.research-innovation-bavaria.de))
- EU fund acquisition through Bavarian stakeholders, 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 four experienced partners:





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# BayFOR services

## 1. Project administrator for **BayIntAn**

- Bavarian Funding Programme for the Initiation of International Projects



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Horizon  
Europe

## 2. **Advisory services** for mainly EU funds for R&I

- inform, advise, partner search, application support...
- Mainly on **HORIZON EUROPE**, DIGITAL EUROPE, ERA-NET, CEF, EFRE, ECSEL, Eurostars/EUREKA, IPCEI, KIC, PENTA...

## 3. Various **EEN services**

BayFOR as Bavarian EEN partner supports Bavarian SMEs

- advice & support
- connecting partners
- supporting innovation





# 1. Project administrator for **BayIntAn**

## Bavarian Funding Programme for the Initiation of International Projects

- **Establishing/Increasing international network/cooperation of Bavarian universities (of applied sciences) for participation in mainly EU research projects**
- Entitled to apply: scientists of Bavarian state and state supported non-state universities and universities of applied sciences
- Partners: at least one international partner
- Maximum grant per application: € 10,000
- Used for grants for travel and accommodation expenses and in exceptional cases material costs. BayIntAn is based on partial financing
- Further costs: The comprehensive funding of the projects must be ensured by the partners involved
- Contact: [internationalisierung@bayfor.org](mailto:internationalisierung@bayfor.org)
- Information: [www.bayfor.org/internationalisation](http://www.bayfor.org/internationalisation)
- Subsidised by: [Bavarian State Ministry of Science and the Arts](#)



Foto: © fotolia





## 2. BayFOR as „full service provider“

### 5 Project management

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

### 4 Project implementation

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



### 1 Information

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

### 2 Advisory services

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

### 3 EU application support

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

### 3. Various EEN-Services

- EEN: world's largest **support network for SMEs** with **international ambitions**
- 3000 experts in over 600 member organizations in more than 60 countries
- A **broad range of EEN services**:



#### 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

- In Bavaria, SMEs are supported by **10 EEN partners** ([www.een-bayern.de](http://www.een-bayern.de)):





## Our services for you:

- Finding a match of your idea to an EU topic
- Finding Bavarian ↔ international partners for EU-proposal
- Support of your EU-application / proposal in case of Bavarian participation

**Feel free to contact us**

**as early as possible**

**so that we can support you**

**agile & appropriately**



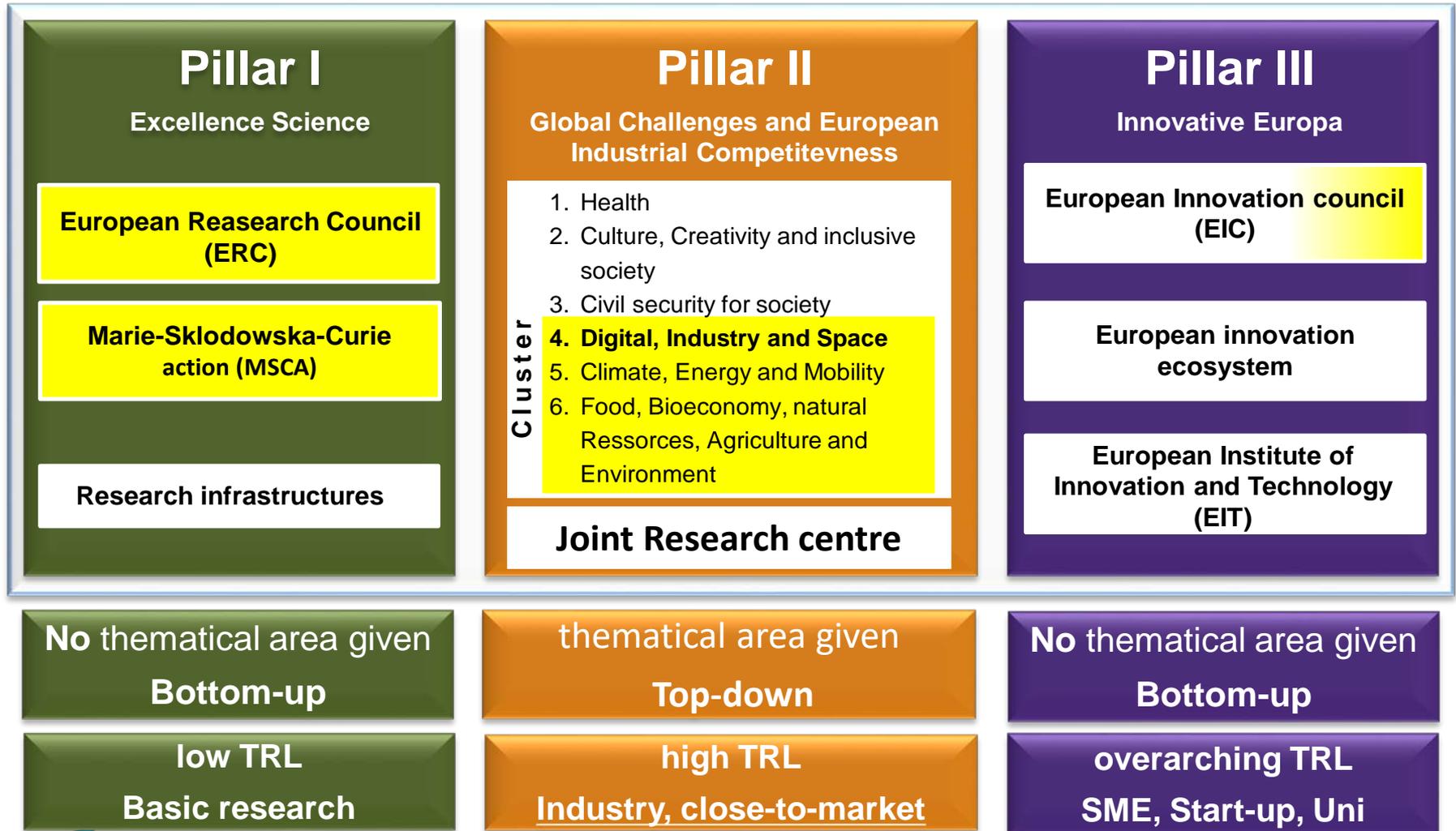
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# Horizont Europa (HEU): 2021 - 2027





## Work Programme Cluster 4 „Digital, Industry, and Space“

### 6 Destinations:

D1:  
Climate neutral, circular  
and digitized **production**

D3:  
World leading **data and  
computing** technologies

D5:  
Open strategic autonomy  
in developing, deploying  
and using global **space-  
based** infrastructures,  
services, applications,  
and data

D2:  
Increased autonomy in  
**key strategic value**  
chains for resilient  
industry

D4:  
Digital and emerging  
technologies for  
competitiveness and fit  
for the green deal

D6:  
A **human-centered** and  
ethical development of  
digital and industrial  
technologies



## HEU: structure & examples

HEU > Pillar II > Cluster 4 > Destination 2

### DESTINATION 2 –

### INCREASED AUTONOMY IN KEY STRATEGIC VALUE CHAINS FOR RESILIENT INDUSTRY

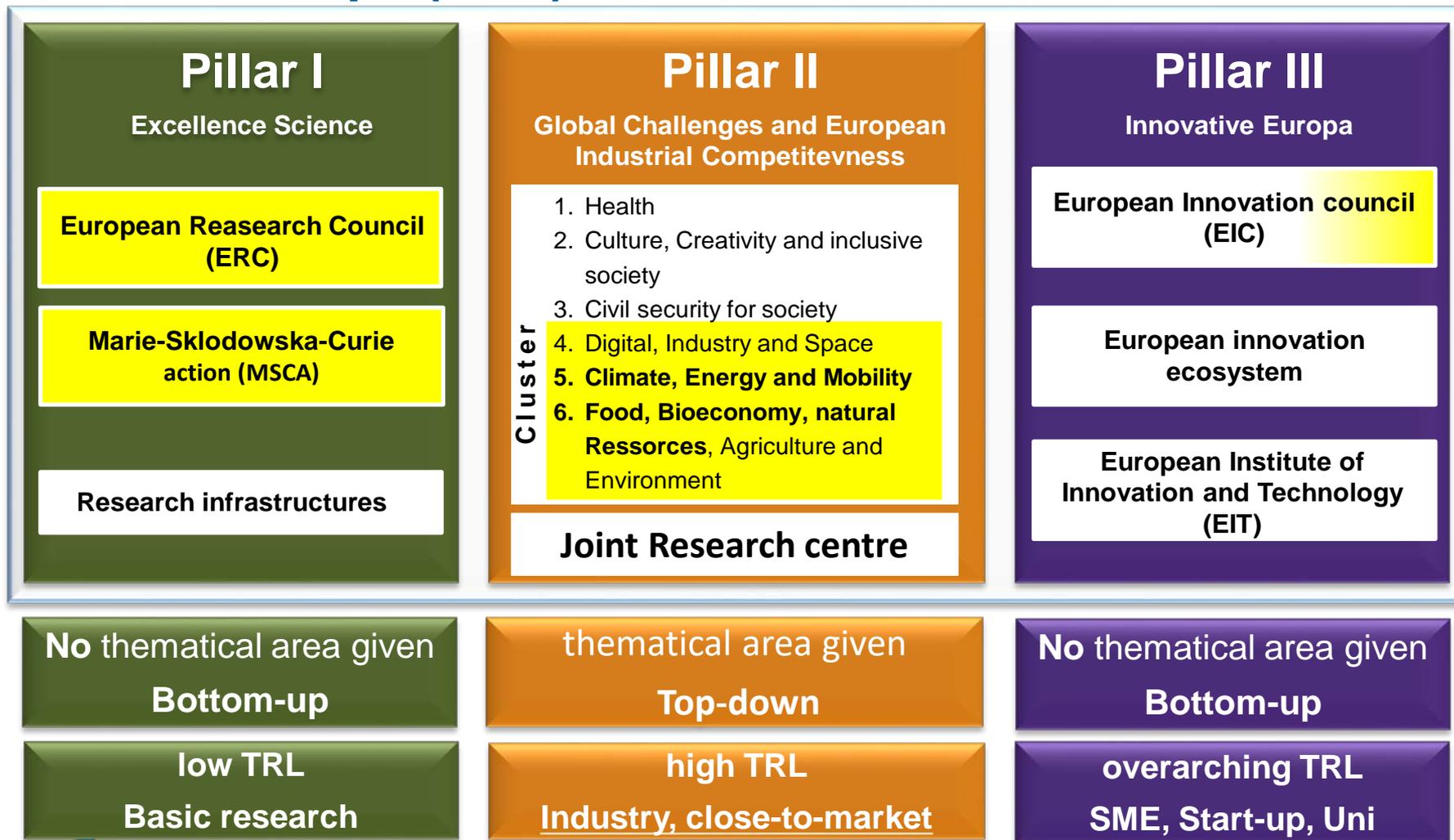
#### Call - A DIGITISED, RESOURCE-EFFICIENT AND RESILIENT INDUSTRY 2021 (CL4-2021-RESILIENCE)

- Safe- and sustainable-by-design metallic coatings and engineered surfaces (RIA)
- Development of more energy efficient electrically heated catalytic reactors (IA)
- Creation of an innovation community for solar fuels and chemicals (CSA)
- Advanced materials for hydrogen storage (RIA)
- Antimicrobial, Antiviral, and Antifungal Nanocoatings (RIA)

#### Call - A DIGITISED, RESOURCE-EFFICIENT AND RESILIENT INDUSTRY 2022 (CL4-2022-RESILIENCE)

- Innovative materials for advanced (nano)electronic components and systems (RIA)
- Advanced lightweight materials for energy efficient structures (RIA)
- Functional multi-material components and structures (RIA)
- Safe- and sustainable-by-design organic and hybrid coatings (RIA)
- Smart and multifunctional biomaterials for health innovations (RIA) 166
- Membranes for gas separations - membrane distillation (IA) 167

# Horizont Europa (HEU): 2021 - 2027





## Work Programme zu Cluster 5 „Climate, Energy and Mobility“

### 6 Destinations:

D1:  
Climate sciences and responses

D3:  
Sustainable, secure and competitive energy supply

D5:  
Clean and competitive solutions for all transport modes

D2:  
Cross-sectorial solutions for climate transition

D4:  
Efficient, sustainable, and inclusive energy use

D6:  
Safe, Resilient Transport and Smart Mobility services for passengers and goods



## HEU: structure & examples

HEU > Pillar II > Cluster 5 + 6 > Destination 2

### Cluster 5

#### DESTINATION 2 – Cross-sectoral solutions for the climate transition (Materials & Production on Battery)

CL5-2021-D2-01-01: Sustainable processing, refining and recycling of raw materials

CL5-2021-D2-01-02: Advanced high-performance Generation 3b Li-ion batteries supporting.. mobility..

CL5-2021-D2-01-03: Advanced high-performance Generation 4a, 4b (solid- state) Li-ion batteries....

CL5-2021-D2-01-04: Environmentally sustainable processing techniques applied to large scale electrode and cell component manufacturing for Li ion batteries

CL5-2021-D2-01-05: Manufacturing technology development for solid-state batteries....

### Cluster 6

#### Destination 2 – Fair, healthy and environmentally-friendly food systems from primary production to consumption

CL6-2022-CircBio-02-01: Increasing the circularity in textiles, plastics and/or electronics value chains

CL6-2022-CircBio-02-02: Integrated solutions for circularity in buildings and the construction sector

CL6-2022-CircBio-02-04: innovation for sustainability and EoL options of biodegradable bio-based plastics



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## High Tech Agenda (HTA) (1. pillar) 2019

### AI-District Bavaria (360 mio. €)

- 100 new chairs in universities, Munich as center with AI agency, nodes all over Bavaria

### SuperTech (240 mio. €)

- **Quantentechnology (70 mio. €)** (quantum computing)
- **Aviation and Space (90 mio. €)** (Hyperloop and Galileo-center)
- **Clean Tech (80 mio. €)** (synthetic fuels, batteries for mobility, hydrogen)

## High Tech Agenda Plus (HTA+) (900 mio. €) 2020

- Bavarian answer of the EU Green Deal initiative after the pandemic
- Speeding up HTA and implement additional activities for HTA

## Innovationsstrategie „Innovationsland.Bayern“ 2021

- Till 2030 up-to 4% of GDP
- for infrastructure, fund for innovation & start-up, transfertransfer
- For mobility, Life Sciences, Energy, Materials and Digitalisation



# Cooperation & Strategies

## ▪ Former Workshops:

19.02.2020: *Green materials for Batteries in Horizon 2020*

21.07.2021: *CZ-BAY workshop on chemistry and materials (BTHA+SusChem)*

09.02.2021: *Conference on Green Technology in Czechia, Saxony, Bavaria*

25.10.2021: *Tomas Bata University – Energy storage workshop (EASE)*



## ▪ Further bavarian strategy:

Bavarian Hydrogen strategy

Aerospace strategy „Bavaria One“

Bio-Economy

Circular-Economy

## ▪ Further European initiatives for collaboration: e.g.

AMPB – Advanced materials Partnership batteries (SmartSpecialisation – S3)

BEPA (Batt4EU) – Batteries European Partnership Association

DAIRO – European Partnership on “Data, AI and Robotics”

**EDIH**

**HORIZON EUROPE**



**HORIZON EUROPE**



# EU-Project HyFlow

Development of a sustainable hybrid storage system based on high power vanadium redox flow battery and supercapacitor

Coordinator	Prof. Karl-Heinz Pettinger, HAW Landshut / TZ Energie
Consortium	11 Partner from <b>Germany</b> , Austria, <b>Czech Republic</b> , Portugal, Spain, Italy and Russia
Funding Scheme	Horizon 2020 (Hybridisation of battery systems for stationary energy) GA Number 963550
Funding	4 Mio. €
Project time	3 years (11/2020 – 10/2023)
Internet	<a href="http://www.hyflow-h2020.eu">www.hyflow-h2020.eu</a>



Horizon 2020  
European Union Funding  
for Research & Innovation





# Thank you for your attention

Bavarian Research Alliance ([BayFOR.org](http://BayFOR.org))

@ Bavarian Research and innovation agency ([BayFIA.de](http://BayFIA.de))

@ Enterprise Europe Network ([EEN.ec.europa.eu](http://EEN.ec.europa.eu))



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Forschungsstiftung,  
Christine Reeb

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