

HELMHOLTZ AI

Projects Call 2021

Welcome note Head Office

(Dr. Patrick Gilroy – Strategic Initiatives)

Apply for a Helmholtz AI Project!



- **Objective:**

- Fund high-risk-high-gain research projects on cross-center ML/AI challenges/methods
- Seed-like co-creative spirit, collaborative community-building across/beyond Helmholtz

- **Timeline:**

- This is the third round (since 2019), co-designed with Helmholtz AI community
- Submit by 1 December 2021 (end of day, CET) via <https://application.helmholtz.ai>
- Selection meeting for this year's round will take place early 2022 (Feb-March)

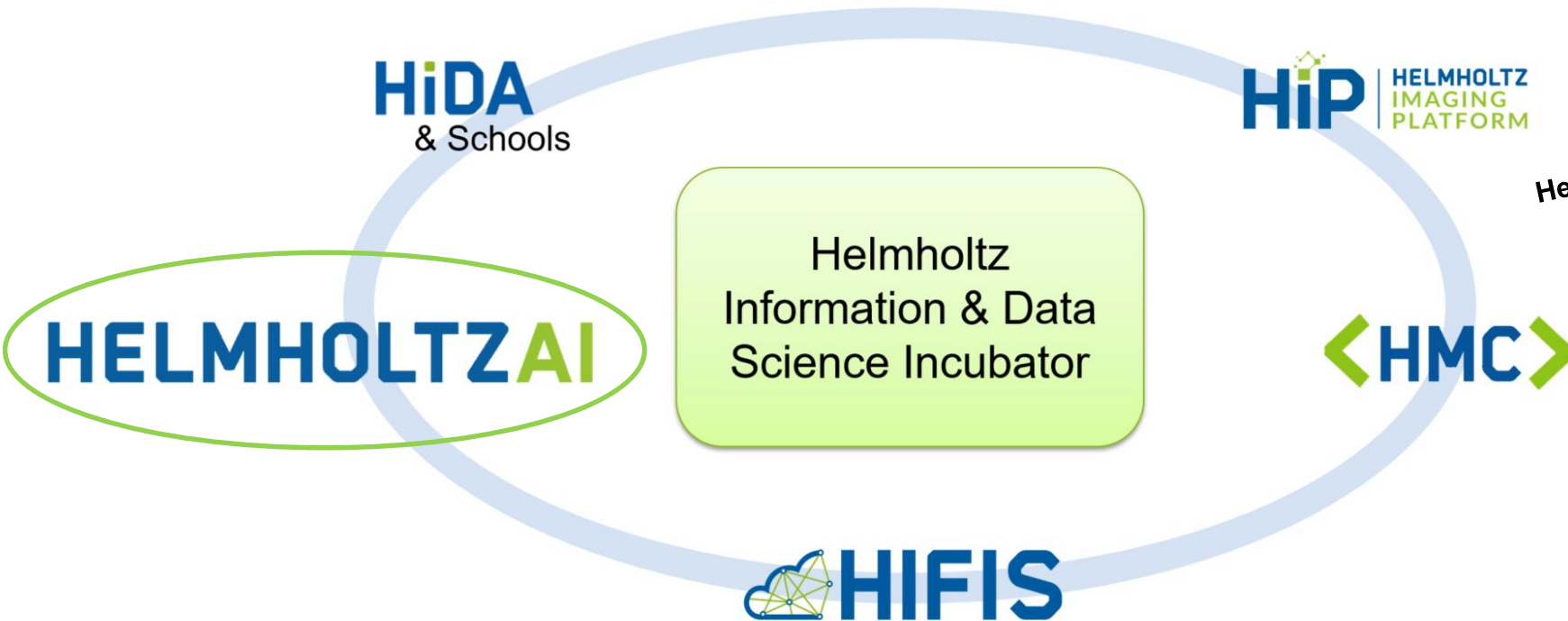
- **Funding history:**

- All in all, thus far Helmholtz AI Projects funding line has funded 36 research projects: www.helmholtz.ai/themenmenue/you-helmholtz-ai/funding-lines/funded-projects/index.html
- Total of €7.2 mio for 19 projects (selected out of 55 proposal submissions) in 2019
- Total of €6.6 mio for 17 projects (selected out of 62 proposal submissions) in 2020

Helmholtz Incubator Information & Data Science

Est. 2016 to build community, to bridge silos, to innovate

- **Platforms** to address long term challenges in the area of data science
- Building a **network** across centres, foster exchange, fund joint projects
- Increase **visibility** of Helmholtz as a key player in this trailblazing field



- Helmholtz AI** (+ HIP + HMC) have **annual project calls**
- Initiative & Networking Fund (INF) funding line
 - Addressing applied AI issues across community
 - Expand joint solutions and technology transfer



Helmholtz Imaging

We have come a long way as a community, and we are looking for YOU!

2016 2017 2018 2019 2020 2021 2022

Helmholtz Incubator Information & Data Science launched

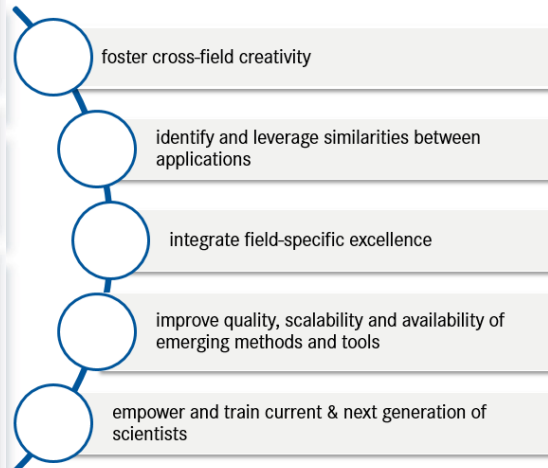
Association-wide **Incubator Platforms** launched

Incubator finds **AI, ML and DL** (as well as Imaging) are of “strategic importance”

Helmholtz AI platform funds **annual project rounds**

Congrats to the pioneers who pushed this topic!
Make the best out of this great opportunity!
There's a range of services to help you!

AI associates network, AI consulting vouchers,
HAICORE computing resources, six local units...



Head Office Perspective

Initiative & Networking Fund

INF Principles

- <https://www.helmholtz.de/en/about-us/the-association/initiating-and-networking/>
- **Project funding line with matching funds** by participating centers or partners
- Competitive procedures/external peer review; science/strategic **selection criteria**
- Helmholtz **president decides**, consulting with reviewer panel/platform committees
- **Review process** managed by Head Office in collaboration with Helmholtz AI team
- **Administration/contracts/reporting** managed by the Head Office colleagues

Goal of the call

- Start and boost activities innovatively tackling **imaging challenges & methods**...
- ...by seed funding **collaborative projects** across research areas and -centers
- **Open to all** scientists in Helmholtz Association, focus on innovative approaches...
- ...with potential for **transfer** and real **solutions** for the entire AI/ML/DL community

Specifics of call

- Apply with **at least two** centers and research areas; **external partners** welcome
- **Matchmaking**: Say Hi! via Slack Channel "Helmholtz AI community" (#pitches, #hel)
- **Online portal** <https://application.helmholtz.ai> open until at the latest Dec 1, 2021
- **Max. €200,000 from INF**; **must be matched** by at least same amount by centers
- Duration: you can apply for a project duration of **maximum 3 years** (36 months)
- The "authoritative" **text of the call** and all related **templates** are available online...
- www.helmholtz.ai/themenmenue/you-helmholtz-ai/funding-lines/project-call-2021/index.htm

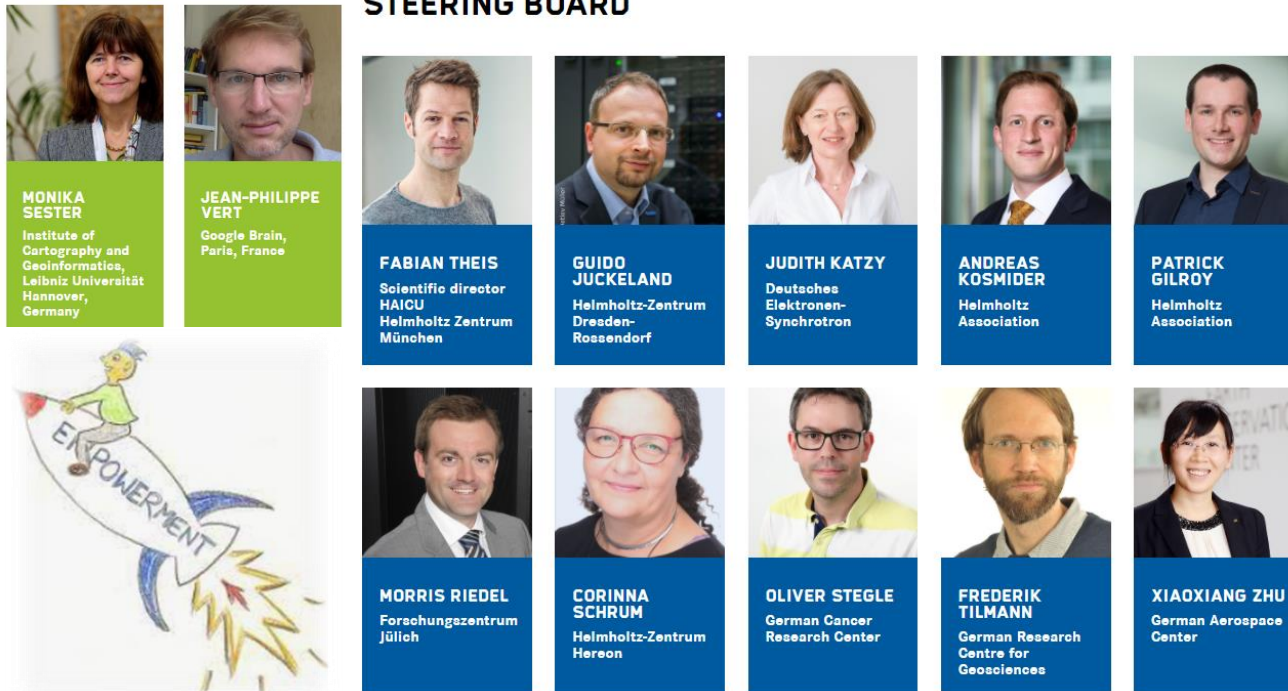


SCIENTIFIC ADVISORY COMMITTEE



- **Scientific Advisory Committee (SAC):** external board
- **Helmholtz AI Steering Board (SB):** internal board
- **Project Reviewer Panel (PRP):** reviews applications
 - We aim for a swift external review process, with **funding decisions** already by end of Q1 2022

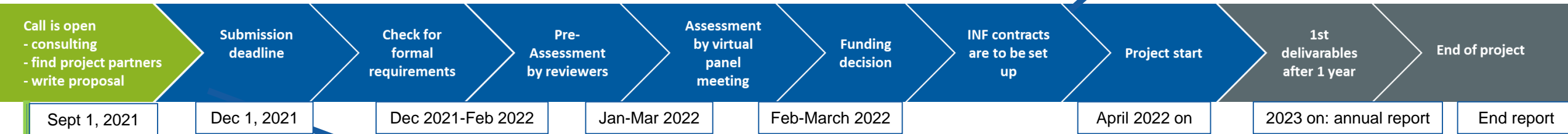
STEERING BOARD



Timeline

- All activities of the Helmholtz Incubator need to **integrate** across the Association
- All activities must provide **benefits to researchers who are not already included**
- Generating value added for entities outside the Association (e.g. industry) becomes of increased importance (**transfer**)

According to the INF processes approved **funds are disbursed to the coordinating centre**, fund distribution to the further partners is self-organised



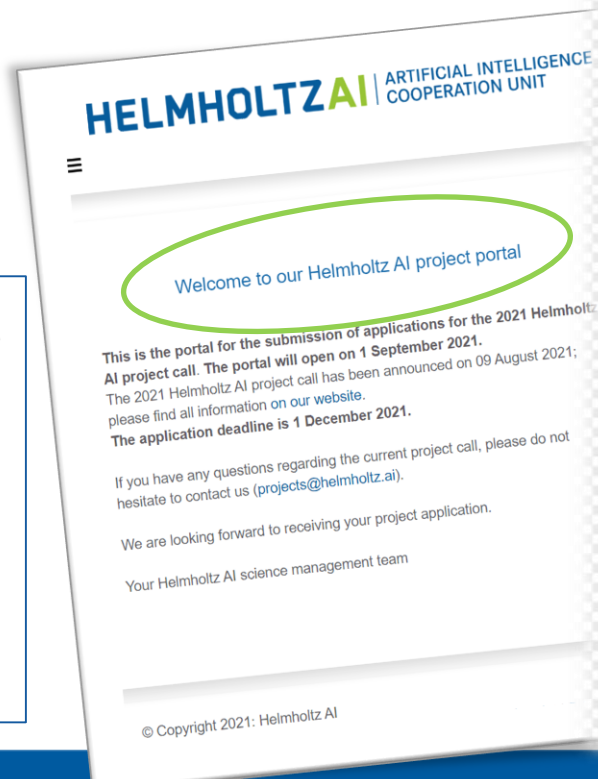
<https://application.helmholtz.ai>



Questions or need help finding project partners & ideas for external partners?

Helmholtz AI supports you!

- Today's info event
- Get in touch with the team
- Get in touch with their services
- Ask team at Head Office anytime
- Join the Slack community channel ("Helmholtz AI Community")



Just reach out if you have questions 😊

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