REACH
EUREGIO START-UP CENTER

REACH INCUB.AI.TOR

USER FRIENDLY ACCESS TO AI FOR START-UPS

FRIEDRICH BACH, JONATHAN WANDSCHEER | 29.09.2022

WWU MÜNSTER

IN COOPERATION WITH

FH MÜNSTER

UNIVERSITY OF TWENTE.

Digital Hub münsterLAND

TARGETS

INCUB.AI.TOR – USER FRIENDLY ACCESS TO AI FOR START-UPS

- Increase hardware and software development accessibility for Science-based Start-ups
- Give help getting started with AI- and software development
- Development of AI-based business models
- Cooperation with AI-related start-ups and companies within EUREGIO

We want to simplify the development of prototypes on the WWU infrastructure and assist with the development of the business model and the deployment on commercial cloud environments.

https://www.reach-euregio.de/page/incubaitor

TARGETS

INCUB.AI.TOR – USER FRIENDLY ACCESS TO AI FOR START-UPS

- Main target groups:
  - Start-ups with limited knowledge of AI and/or cloud ressources
  - Science based start-ups with limited knowledge of business and/or cloud ressources

INCUB.AI.TOR

STRUCTURE

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CONSULTING

- AI Consulting
- Workshops
- Funding Opporunities
- Awareness Programs

SERVICES

- Digital incubator-program
- Access to commercial cloud platforms
- Network

RESOURCES

- WWU Cloud
- PALMA II
- Learning Resources

CONSULTING

REACH SCOUTING

- Discussions on possible business ideas from research projects
- Support in assessing the market ability of ideas and technologies in AI
- Recommending tools and frameworks
- Advice on how to develop high quality and sustainable software
- Connections into a large network of AI researchers at WWU
- Access to AWS Activate program with up to $5000 credit

SERVICES

TUTORIALS AND SUPPORT FROM REACH

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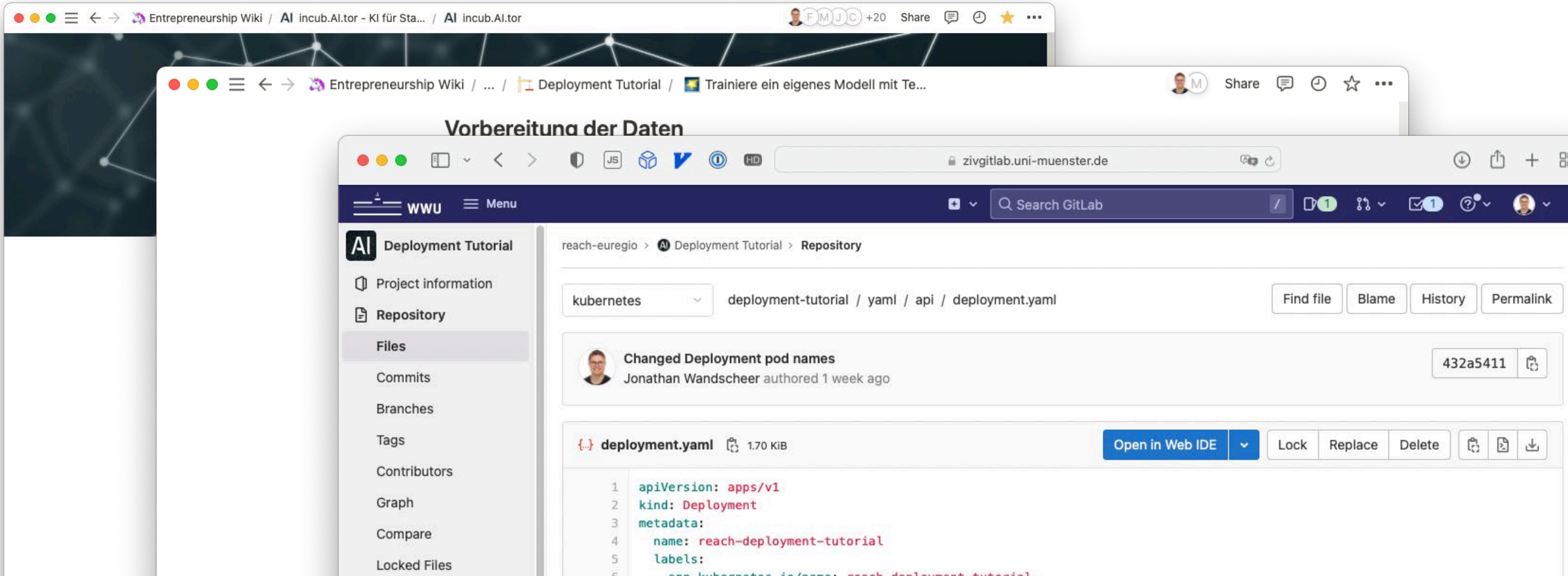
Tutorials, code samples, and other resources focusing deployment of container-based software.



SERVICES

TUTORIALS AND SUPPORT (IN GERMAN)

- AI KIck-Start for start-ups: https://confluence.uni-muenster.de/display/RIAI/KIck-Start
- Deployment Tutorial: https://confluence.uni-muenster.de/display/RIAI/Deployment+Tutorial
  - Train your model with PhotonAI / Tensorflow
  - Train your model on JupyterHub / PALMA II
  - Usage of WWU GitLab
  - Make a web interface (or API) with python Flask
  - Deployment with Docker (coming soon: Deployment on WWUKube)
  - Automatization of the Deployment (CI/CD) on Heroku (coming soon: WWUKube)
- Code samples (work in progress): https://zivgitlab.uni-muenster.de/reach-euregio/incubaitor

SERVICES

SUPPORT BY INSTITUTIONS OF THE WWU

Via REACH Contacts and support from:

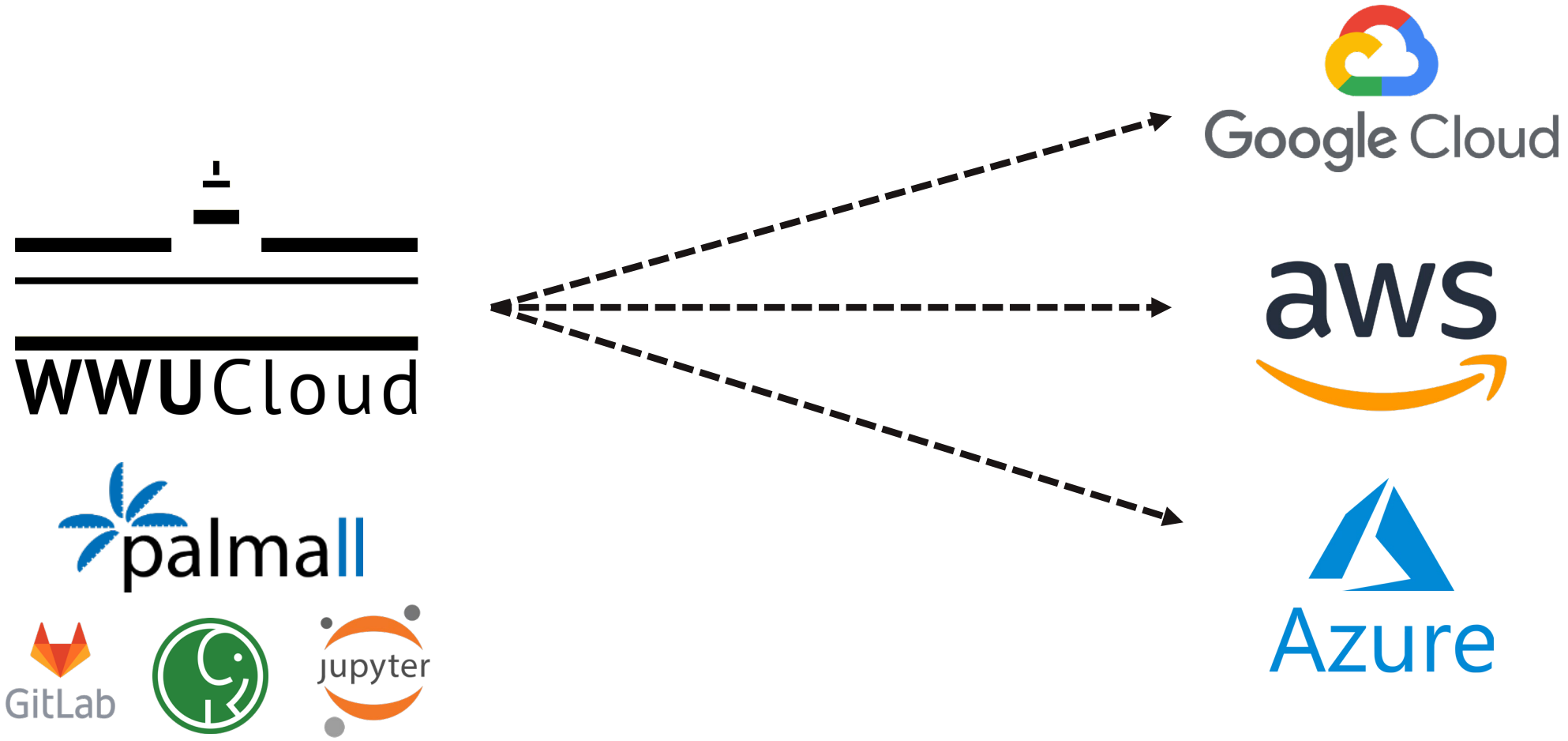
- **REACH Euregio Start-up Center**
  Advice and assistance on start-up issues and scouting for science-based start-ups

- **WWU IT**
  Support and assistance with configuration, publishing and scaling of projects

- **Computer Vision and Machine Learning Systems Group** (Geoinformatics, Prof. Dr. Benjamin Risse)
  Technical support for questions regarding Machine Learning

RESOURCES

WWU CLOUD TARGETED COMPATIBILITY



BUSINESS

FROM SCIENCE TO START-UP

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- Structured programs at REACH:
  - Pre-Incubator: *Digital platform offering low-threshold entrepreneurship resources (Market and problem understanding, Buisness model and solution, Team)*
  - Incubator: *6 month structured program for building the foundations of a start-up (Coaching, Workshops, Support, Infrastructure, Tools)*
  - REACH for EXIST: *Structured program for writing applications for funding programs in the start-up context*
- Market analysis and Consulting
- Access to our network of AI-related start-ups and companies
- Assistance with AI-specific business models and cloud providers
- Prototyping on WWU hardware

OUT REACH

WHAT ELSE HAVE WE DONE…?

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- Supporting many start-ups (for instance)

pw [colloc.AI] qubeto quantifying behaviour Databundles

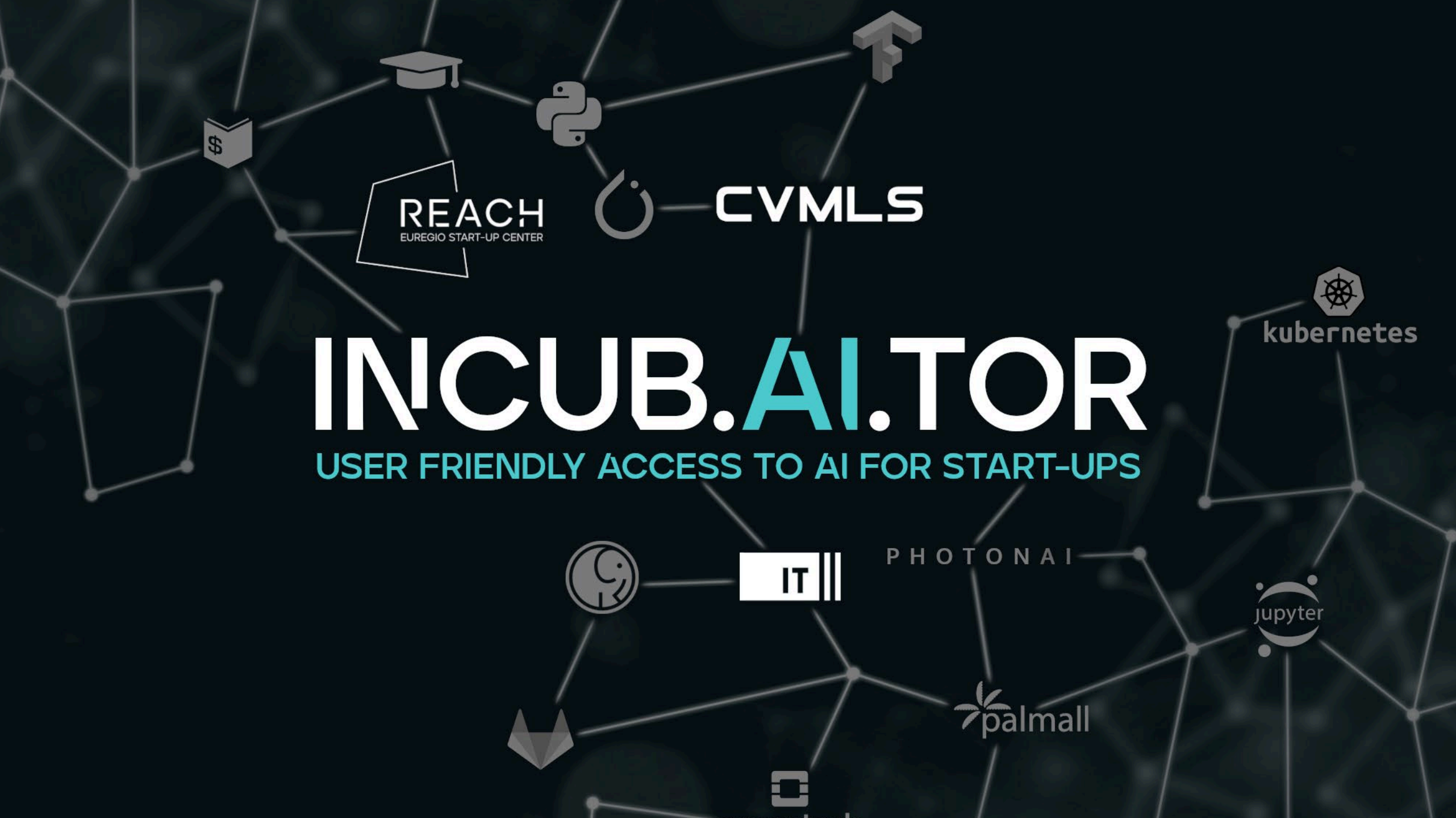
- WWU Hackathon 2022
  with e.g. ForSure (1.) & Cubisite (2.)

- REACH Thesis Award 2022
  with multiple data and AI related projects

OUTLOOK

MILESTONES 2022

- Finishing documentations and code samples (https://confluence.uni-muenster.de/display/RIAI/Start), (WWUKube/OpenStack)
- REACH for EXIST (starting today!)
- (Live-) Podcast with AI related topics
- Science to Start-up convention https://www.reach-euregio.de/page/s2sc (10.11.2022) with
  - Workshops on MedTech // EdTech // SaaS // HighTech
  - poster award for „application-oriented research results“ (deadline 3.10.2022)
  - science to start-up award for science based start-ups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CVMLS
kubernetes
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IT
PHOTONAI
jupyter
palmall

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THANK YOU | LET'S DISCUSS

EXZELLENZ START-UP CENTER NORDRHEIN-WESTFALEN

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