



RADIOBLOCKS

Periodic 2

WP1

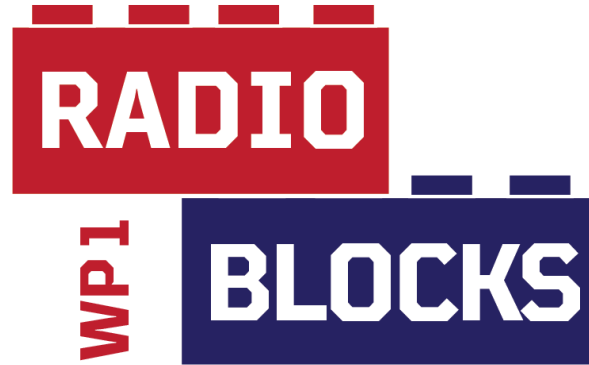
Giuseppe Cimò (JIVE)

RADIOBLOCKS Project Manager



JIVE

Joint Institute for VLBI
ERIC

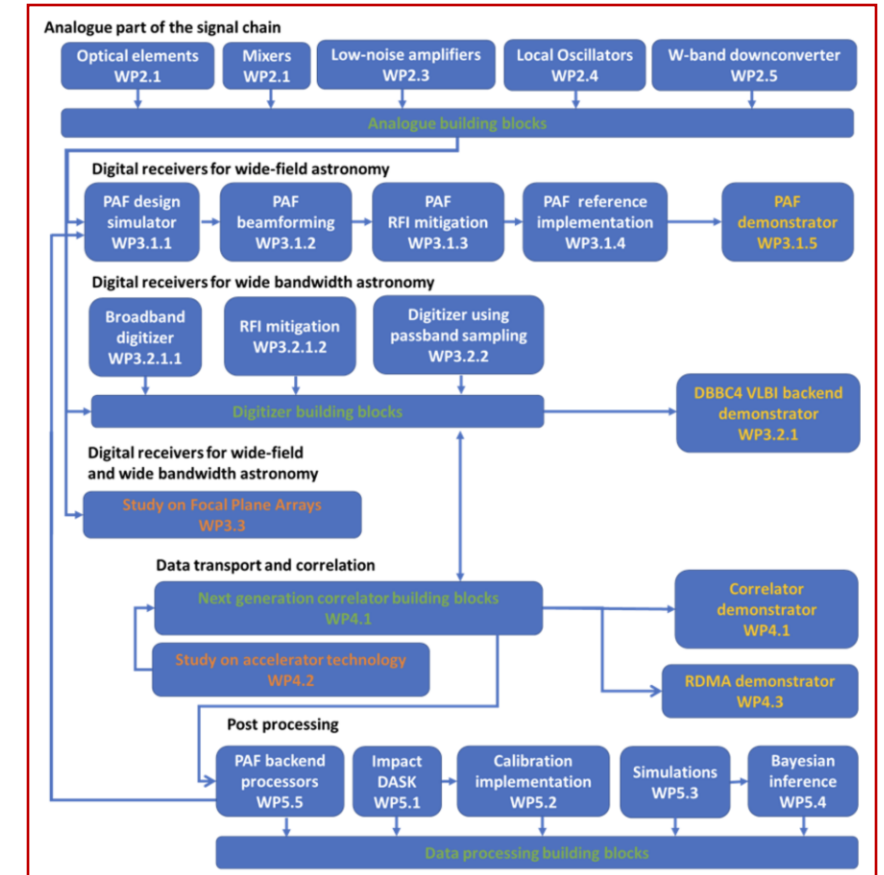


Key objectives

- Supporting the project activities
- Curation, preservation and accessibility of the data collected or produced by RADIOBLOCKS
- Measuring the project impact
- Dissemination of RADIOBLOCKS results

The team consists of the coordinator, the project manager, the financial officer, the communication officer and the project officer (all JIVE staff)

WP1 assists other WPs with their activities and collects the project deliverables for the EC portal.





Overview of Progress from WP1 perspective

- **Project goals on schedule:** All work packages have advanced significantly and are meeting their planned objectives.
- **Milestones achieved:** We successfully completed our major goals for this period, including the submission of all required reports, deliverables, and milestones.
- **Strong partner collaboration:** The teamwork and communication between all consortium members remains effective and productive.
- **Continuous partner support:** WP1 provides ongoing logistical and administrative support to ensure all technical work packages can execute their tasks smoothly.
- **Finances:** Ongoing monitoring.



Management and Coordination

- **Successful all-hands meeting:** We organized a project-wide meeting in Madrid
- **Internal meetings:** Annual General Assemblies (online and in-person) and Executive Team meetings every 6-8 weeks.
- **WP1 deliverables:** The report on the first External Industrial Advisory Board meeting and the second Policy Brief feedback were both completed and submitted.
- **Amendment approved:** Rhodes University and Heidelberg University joined the project.
- **New amendment in preparation:** Money transfer and ICRAR joining the project.





External Engagement and Collaborations

- **External Industrial Advisory Board (IAB):** We formed an advisory board with key industry representatives outside the project to provide strategic inputs.

First IAB meeting: The first meeting took place on February 5, 2025, producing concrete suggestions to connect our technology with industrial applications.

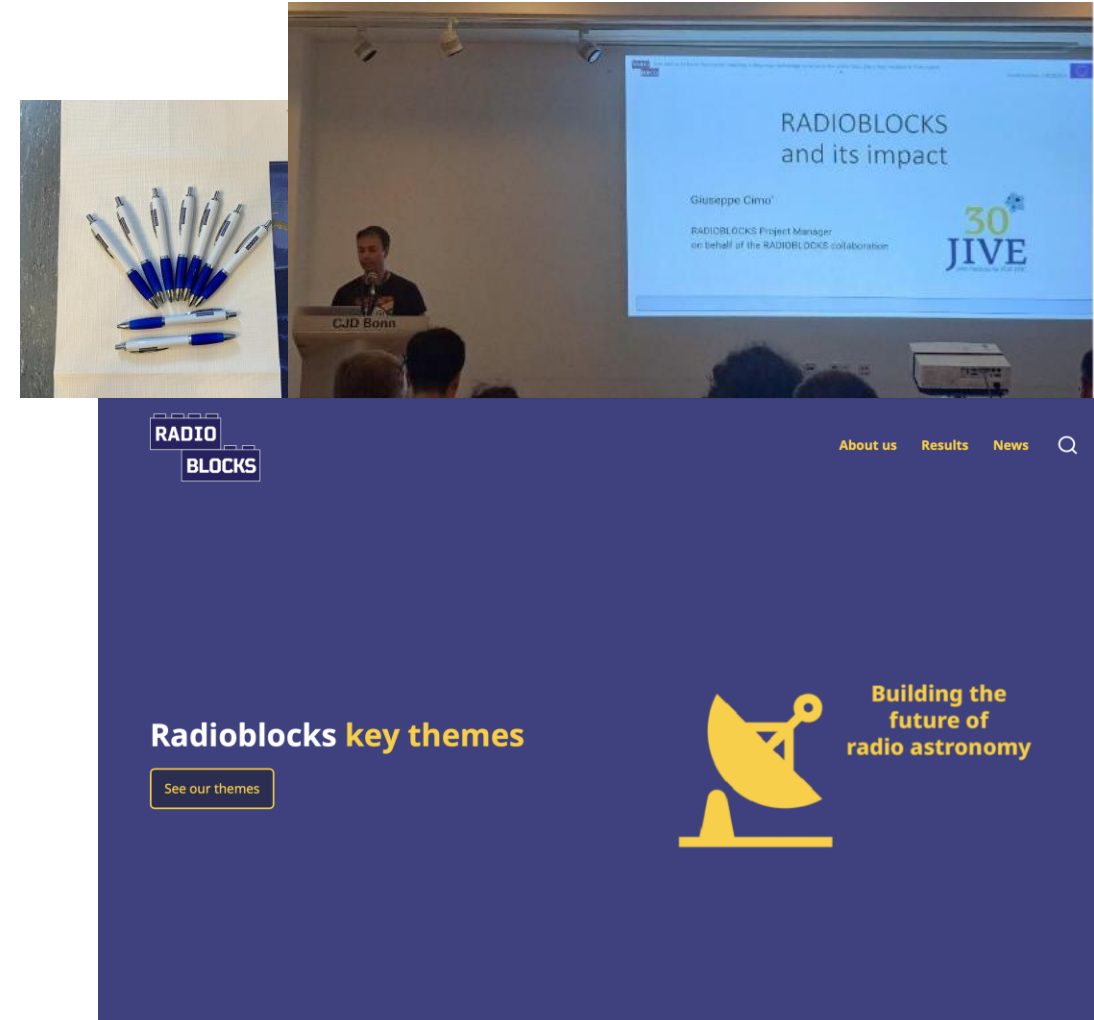
- **Collaboration with ARGOS project:** A Memorandum of Understanding was signed with the EC-funded ARGOS project to explore joint activities and synergies.





Communication and dissemination

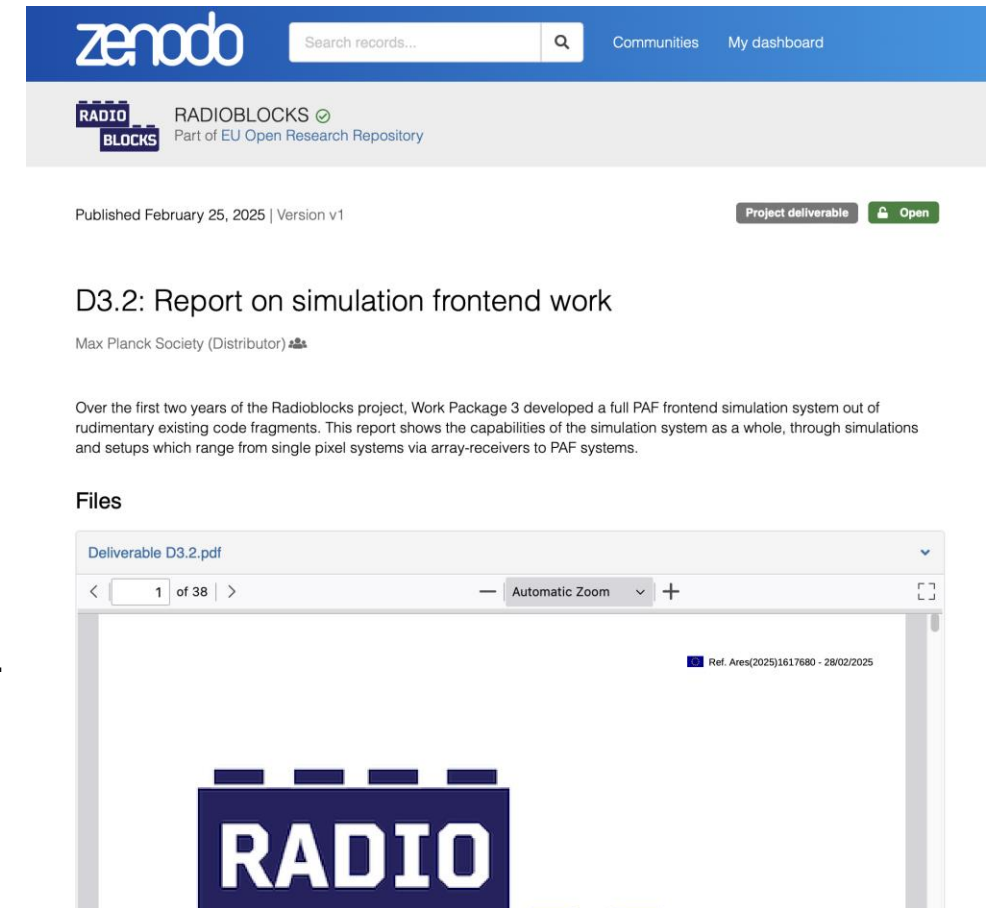
- **New website design:** Pages with results to be filled.
- **Presence at major conferences:** Radioblocks was presented at the European Astronomical Society conferences in 2024 and 2025, increasing visibility in the scientific community.
- **Targeted technical workshops:** We presented project results at specialized events, including the European VLBI Network Symposium and the Space VLBI meeting.
- **Regular updates:** The project has a dedicated section in the JIVE/EVN newsletter, ensuring continuous updates for our key stakeholders.
- **Policy engagement:** We communicated our strategic importance and industrial partnership plan at a RadioNet policy meeting.





Open Science and Data

- **Public access to all publications:** Every scientific publication from the project is published with open access to ensure broad availability.
- **Zenodo community:** We created a dedicated Radioblocks community on the Zenodo repository to share all project outputs, from reports to software.
- **FAIR data principles:** Our use of Zenodo ensures all outputs are Findable, Accessible, Interoperable, and Reusable, each with a unique Digital Object Identifier (DOI).
- **Data Management Plan:** We are actively implementing our Data Management Plan, ensuring that software is shared on platforms like GitHub under open-source licenses.



Final Year Timeline

- **Most deliverables are in final year:** Over two-thirds of the project's deliverables are scheduled for completion in our final year, which requires a focused effort.
- **Key remaining tasks:** The primary focus will be on finalizing hardware prototypes, completing software toolkits, and preparing the last project reports.
- **Staffing and Recruitment:** Minor delays have occurred due to challenges in hiring and replacing staff.
- **Budget Underspending:** An internal financial review noted some underspending, primarily because most deliverables and associated costs are in the final year.

Type	Risk	Mitigation
Hardware	Limited availability	Find component through the large network of partners
	Hardware performing below expectation	Alternative equipment to be investigated and purchased
Staff	Difficulties in staff recruitment	Redeploy existing staff to cover critical task delivery
	Staff moving	Attempt to negotiate the best solution between consortium parties, old- and new employer and staff involved; new hire and/or transfer of funds as fallback options.
Delays	Delivery time of electronic hardware components is too long.	1) Order electronic hardware early in the project. 2) Work (temporarily) with alternative hardware which is already available. 3) Delay the overall schedule 4) Scale down expectations of scalability/prove system with lower throughput
	Combination of delays in various tasks	The final blocks follow an independent path. No deliverable is dependent on other deliverables

Final event in Dec 2026/Jan 2027

Large workshop with external stakeholders

Timeline

Deadlines in the second period:

D1.4 is the report of the first Industrial Advisory Board meeting

D1.7 contains the second Policy Brief feedback

D3.1 containing the repositories with the code for the PAF simulators

D3.2 with the detailed explanation of the PAF simulation work

D4.3 is the prototype for high-speed data transport

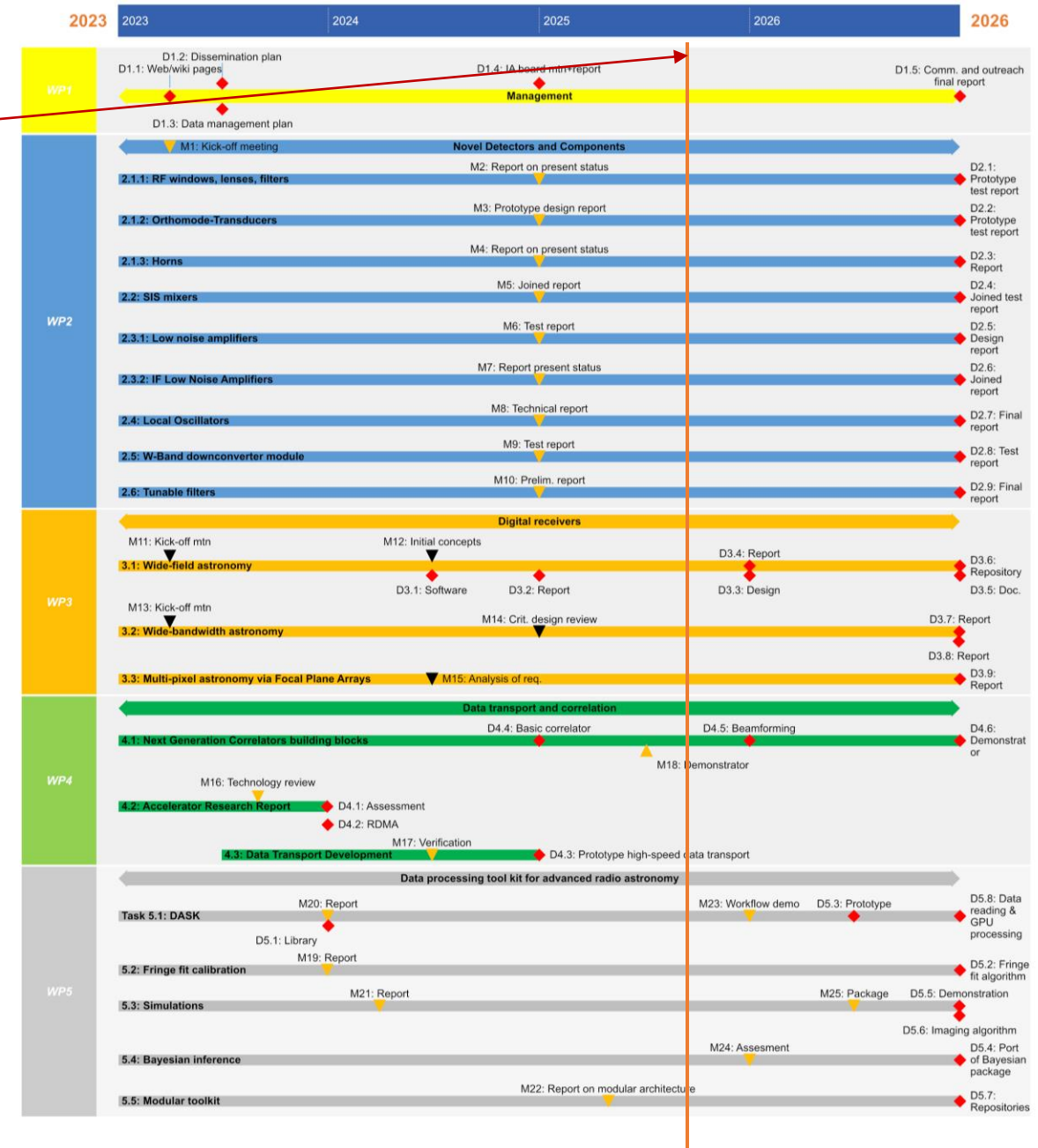
D4.4 contains the description of a correlator based on TensorCore architecture

The success of a project is not the mere sum of its deliverables.

RADIOBLOCKS is an ambitious project that develops common tools and creates a vibrant community that brings together research infrastructures, academia and industry.

It is time to explore options for future collaborations.

We are here!



Finances

Project finances after 30 months

Grey bar – budget

Colours – claimed expenses

Most of the deliverables (~2/3) will be completed at the end of the project



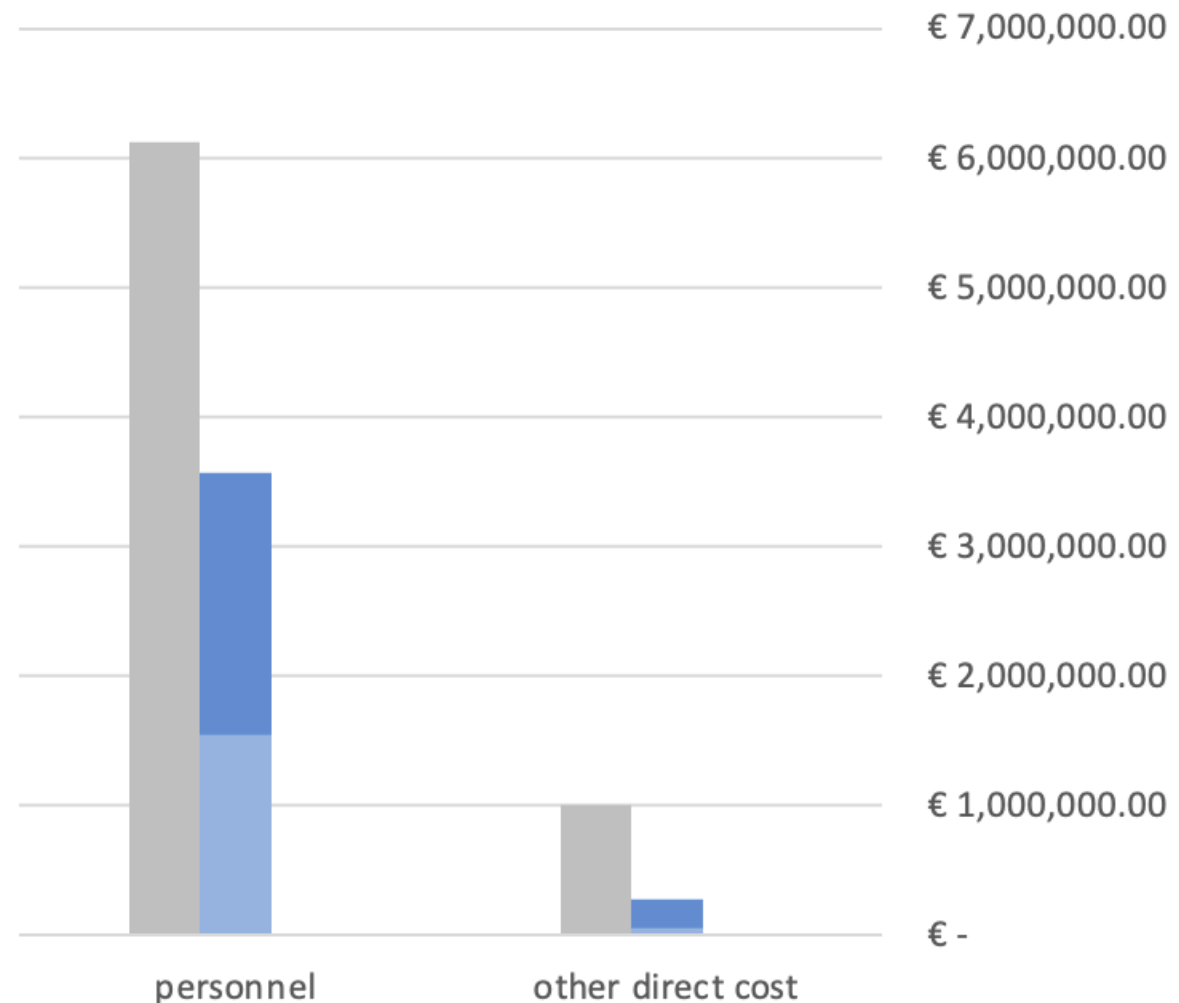
WP1 is monitoring the efforts of the project's partners

Internal mid-term financial review

09/10/2025

■ Budget (direct cost)
■ P1 actual
■ P2 actual

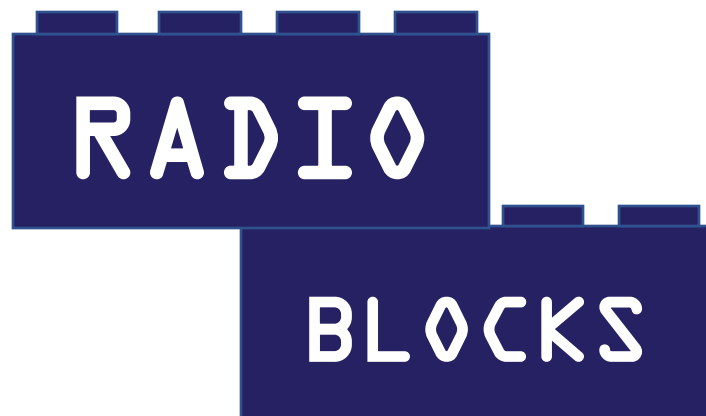
FULL PROJECT





Outlook after Radioblocks

- **How will our results be implemented after the project?** We have built a strong foundation for our technology to be adopted by radio astronomy facilities, and our Industrial Advisory Board is exploring pathways to new markets.
- **How do we see the Radioblocks collaboration continuing?** The project has successfully brought together experts and strengthened the foundation for future collaboration on radio astronomy instrumentation.
- **Should we continue with a similar project?** Our work on common building blocks has proven effective and provides a strong case for follow-up initiatives to continue advancing European technological innovation.
- **Is it possible to involve more industries and AI?** Yes, expanding our industrial partnerships and further integrating AI are key goals, supported by our advisory board and the successful application of AI in the project so far.



Some discussion points:

- How to keep the collaboration going after the end of the project?
- How does a Radioblocks fit into EC priorities and calls?
- How to ensure the adoption of the “radio blocks”?
- How to leverage on science priorities to attract more industrial partners?