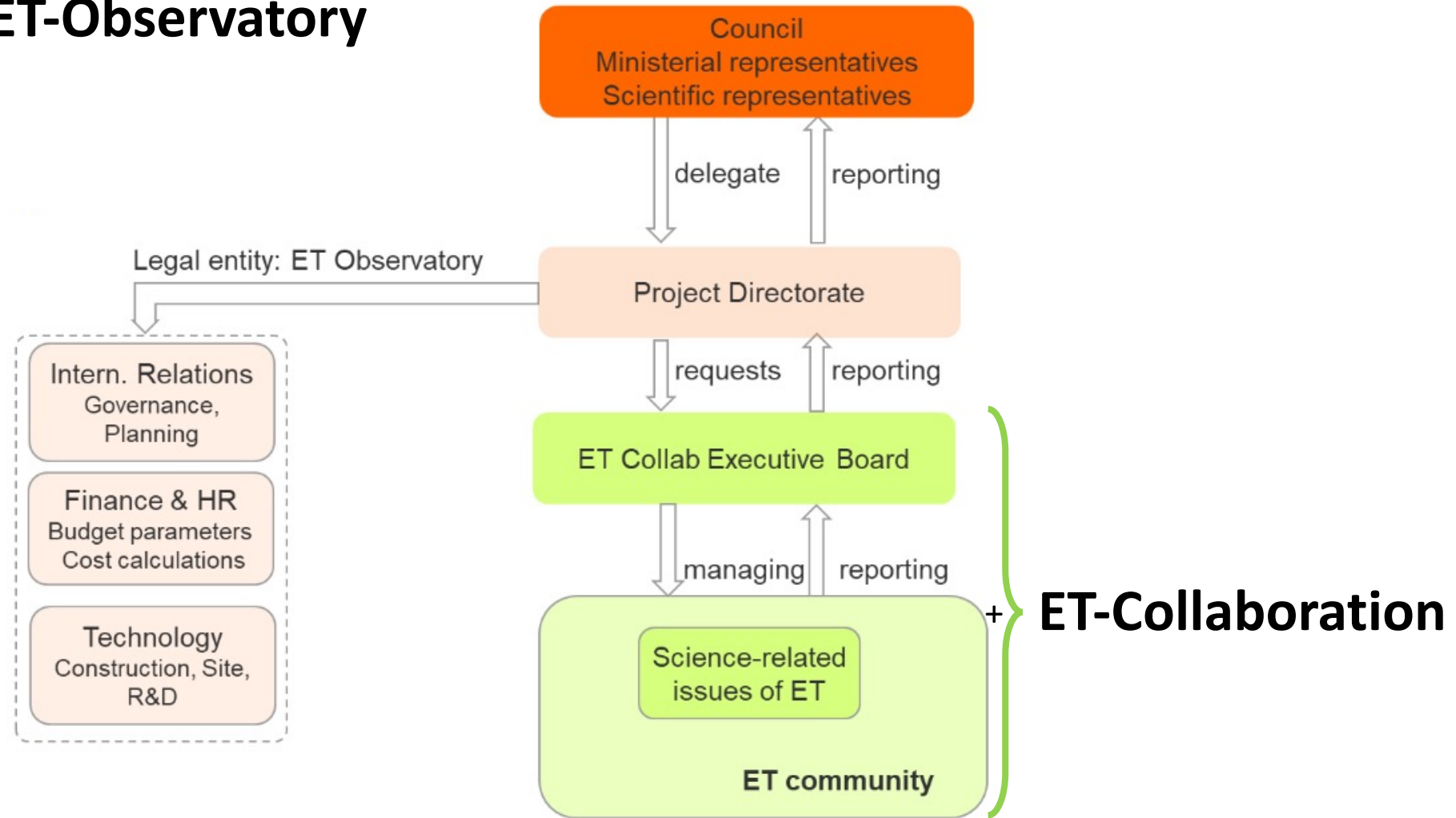


ET: Observatory and Collaboration

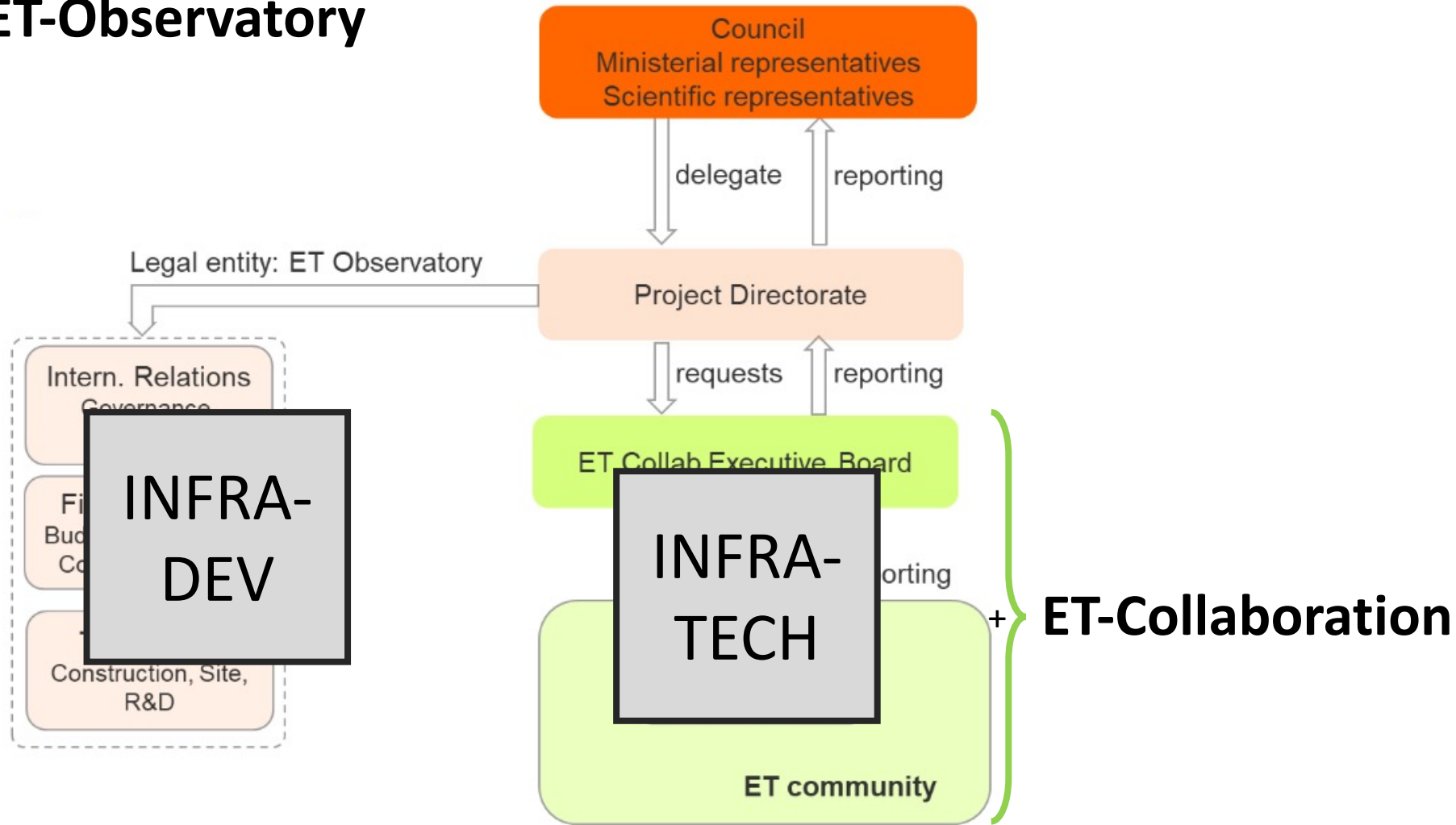
ET-Observatory



ET: Observatory and Collaboration



ET-Observatory



EU call for new members on the ESFRI roadmap

- the development of legal and financial frameworks/plans ...
- the preparation of legal and financial agreements, ...
- the establishment of plans for logistics and human resources management, ...
- Coordinator: Mario Martinez
- 4 years, approx. 3.5 Mio. €, starting Sept. 2022



INFRA-DEV work packages

- WP1 Coordination and Management
- WP2 Organization, Governance and Legal Aspects
- WP3 Financial Architecture
- WP4 Site Selection
- WP5 Project Office
- WP6 Technical Design
- WP7 Transfer of Technology
- **WP8 Computing and Data Access**
- WP9 Sustainable Development Strategy
- WP10 Education, Outreach and Citizen Engagement



INFRADEV WP8: Computing and data model

- **Chairs**

- **Achim Stahl** – RWTH Aachen University (Germany)
- **Sergi Girona** – Barcelona Supercomputing Center (Spain)

- **Objectives**

- **Definition of the computing and data model** of the Einstein Telescope, including the definition of the workflow, estimate of the resources.
- **Data Access** – technical guidelines and principles for implementing the data access policies



INFRADEV WP8: Computing and data model

• Tasks

T8.1 T0 data center

Conceptual design of the center in close collaboration with the instrument science board. Definition of the services provided by the center, delimitation against services realized with distributed computing.

T8.2 Computing and Data Model

Development of the computing and data model in close cooperation with the instrument science board and observational science board of ET. Definition of the workflow from the instrument to the publication.

T8.3 Resources

Estimate of the computing resources (computing power and data storage), the personnel, and the operational cost required for all aspects of ET computing. The potential for mitigation must be addressed.

T8.4 Data Access Implementation

Guidelines for the data policy compliance, relevant to the data storage, access, process and distribution, on all relevant time scales, respecting the EU policies on open data.



INFRADEV WP8: Computing and data model

PRELIMINARY Milestones + Deliverables

	Workshops	WPs	Deliverable	Due date
M8.1	Workflows Requirements collection and constraints: computing and data	WP8		M12
			D8.1 Computing and Data Requirements	M18
M8.2	Computing Infrastructures availability for ET workflows, characteristics	WP8, WP9		M24
M8.3	On site infrastructure, computing and data model	WP8, WP6		M36
M8.4	Low latency and offline workflows and computing model	WP8, WP6		M40
			D8.2 Computing and Data Model	M42
M8.5	Data management, access, policy and implementation	WP8, WP2, WP6		M46
			D8.3 Data Access Implementation Guidelines	M48

INFRADEV WP8: Computing and data model

Under discussion

Budget (~1 FTE)

- Role: Coordination, system engineer knowledge
- Risk: No easy to find the right person
- Mitigation: Split the role among more persons, complement with in-kind contribution.

Participants roles

- Workshops participation and contribution. The workshops output will be the input for the WP deliverables.
- Collect possibility to give in-kind contributions (personnel)

