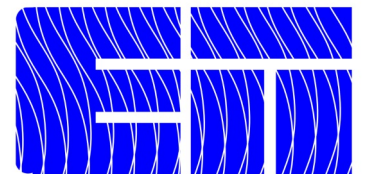


# News from ET Collaboration

Michele Maggiore

(on behalf of the ET Executive Board)

ET-PP, Barcelona May 5-7 2026



EINSTEIN  
TELESCOPE

new SP/DSP Team (Michele Maggiore & Angélique Lartaux )  
in charge since March 23

a huge THANKS to Michele P. and Harald for all the work done over 20  
years, and for bringing ET to the current status !!

## work started on several points of our program

- core/community membership
- ETC R&D coordinator

next in the pipeline:

- AI-for-ET
- multi-messenger and multi-band coordinator
- review of the activities of the Standard and Service Boards

# core/community membership

## Motivation:

The ETC has undergone an “explosive” growth to its actual size  
(29/04/2026): 2027 members, 298 Institution, 99 RU, 34 countries

but currently most of the work is done by a small fraction of the ETC members

After this initial “inclusive” phase where it as been important to create a large ET community, it is now time to move to a phase where individual engagement is more strongly stimulated and recognized, while maintaining a large community

⇒ Move to an organization where ETC members can sign up either as “core members” or as “community members”

Proposed path: ample discussions and feedback

- a first draft has already been discussed in three subsequent EB, and endorsed by the EB
- presentation and Q&A in the Monthly Meeting on Apr. 14
- will be presented for feedback at the CB on May 11  
and again Q&A at Monthly Meeting on May 12  
first formal discussion at the CB in Aachen, June 18  
  
→ receive feedback, amend and improve as needed
- possibly a vote at the subsequent CB in July

## Core members:

- engage themselves to perform work needed for ET, either individually, or through their participation to collective activities of their RU
- the activity of Core Members is quantified in terms of FTE. The minimum threshold for Core membership is 0.2 FTE
- The contribution of Core Members will be annually reviewed
- list of activities that count toward core membership (see extra slides)

# Core members rights

- Core members have automatic rights of authorship in all Collaboration papers
- They have privileged access to nomination to responsibility roles inside the Collaboration
- The persons representing ET at conferences and other external events will be chosen among the Core Members
- Core Members will receive a Certificate attesting their Core Member status, that could be used in applications for positions, funding, ...

# Community members

- Community members are members that wish to be involved and informed, but do not commit themselves to performing activities for the Collaboration
- Have full access to ET internal documents and meetings
- Are subjects to the obligations of all ETC members concerning the Code of Conduct and the Publication Policy, as well as any other internal regulation of the Collaboration specified in the Bylaws

In particular, 1-week internal circulation, possibility of internal review for sensitive topics, ...

## community members (cont'd)

- Community Members do not declare FTE and have no review of their contribution
- Community Members are associated to a RU. However, they do not count toward the threshold for formation of a RU and its number of representatives in the CB
- Community Members do not have automatic rights of authorship in Collaboration papers, but can enter in the author list on the basis of significant individual contributions to a specific paper

## Implications for RUs

- Since only Core Members counts toward the composition of a RU, the threshold for forming and maintaining a RU will be lowered to **1.5 FTE**
- If an already formed RU should go below this threshold, it can ask for a 1-yr grace period for returning at or above threshold. RUs that beyond this period cannot reach this threshold will cease to exist, and the members of the RU will be invited to join other RUs
- Once the FTE verification mechanism will be in place, the number of delegates of each RU in the CB will eventually become proportional to its FTE contribution (complying with what is already stated in the Bylaws)

The structure that we propose is only meant to apply for the current period, where ET has no data

When ET will get close to data taking:

- The ET data policy will certainly involve a proprietary period
- During the proprietary period, only core members will have access to the data, to sensitive meetings and information
- The very existence of “community membership” will have to be re-analyzed

# ETC R&D coordinator

- a WG of the EB has defined a draft mandate, approved by the EB
- draft mandate discussed with ETO directors; first feedback received, further work on the document with the ETO directors is in progress

the discussions will continue, also on the relation with R&D roadmap under elaboration by the funding agencies

- touch base with all Service and Standard Boards
  - Publication Policy, document from the Editorial Committee finalized after several constructive iterations  
Approved by the EB, to be voted in the CB
  - Speaker and Award Committee, document finalized  
Approved by the EB, to be voted in the CB
- Multi-messenger and multi-band (MMMB) coordinator  
definition of the mandate in progress
- AI-for-ET  
definition of the mandate in progress, coordination team being defined

- **Geometry Comparison Report**

activity requested by the BGR and steered by ETO, to contribute to a decision on geometry and site(s)

- *WP1. Scientific Added Value*
- *WP2. Cost Estimate*
- *WP3. Risk Analysis*
- *WP4. Governance*
- *WP5. Socio economic impact*

*WP1 Leader provided by the ETC (A. Buonanno), assembled a team from ETC  
ETC contributes to all other WPs (22 ETC experts in WP3)*

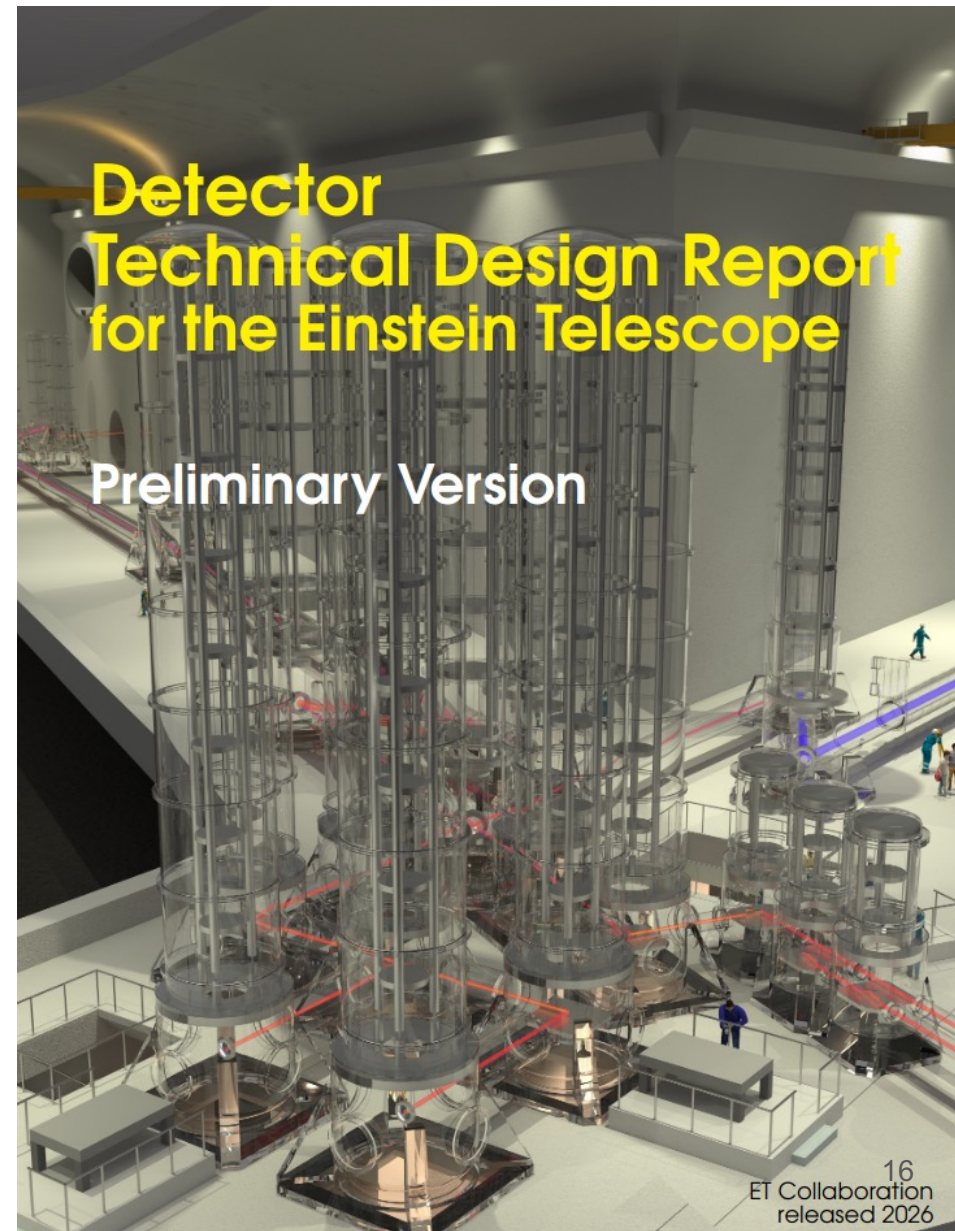
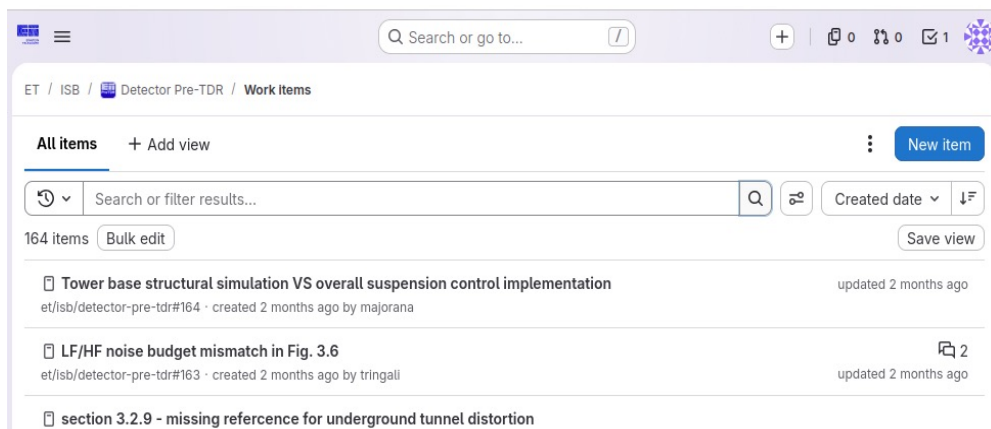
- **we work hand-in-hand with ETO, regular meeting SP/DSP with ETO directors**

# ET-PP deliverables from the Collaboration

- Refined Science Case: “BlueBook” published in JCAP (894 pages!)
- pre-TDR – see talk this afternoon
- Computing Model – see talk tomorrow
- Data Access Policy finalized

# Preparation of the pre-TDR

- First version of ~400 pages
- Internal review by the collaboration beginning of 2026 on gitlab (164 issues managed by the ~60 writers)
- External review, report received, comments will be addressed soon



# Status of the PBS

- 865 parameter files (some not yet in the database for several reasons)
- Started a first step of light review
  - Goal: All existing parameter files should be brought to an acceptable quality for upload to the PBS
  - Not yet a goal: detailed verification of interfaces and parameter values. This should be carried out once the PBS database is complete and using management tools of the database
- Later stage, once the PBS database is available, modification to PBS to be in agreement with pre-TDR

# Data Access Policy

- document finalized recently

Definition of ET Data .....	18
ET raw data .....	18
ET preprocessed data: “h-reconstructed” .....	18
ET alerts .....	19
ET pre-merger alerts .....	19
ET scientific and technical publications .....	20
ET data summary .....	20

## ET Alerts

Alerts will be released immediately after detection, including pre-merger triggers, and will contain all the information necessary to optimize counterpart searches and enable multi-messenger discoveries.

## Data Access Policy in the Einstein Telescope Era

Michele Punturo<sup>1</sup>, Michele Maggiore<sup>2</sup>, Stefano Bagnasco<sup>3</sup>, Marica Branchesi<sup>4</sup>,  
Gianluca Inguglia<sup>5</sup>, Alicia Magdalena Sintes Olives<sup>6</sup>

[ET-0360C-25](#)

## ET “h-reconstructed” data access

It is difficult to predict the exact timing for the data disclosing more than 10 years in advance of the first data taking, but we can imagine that the ET science data will be accessible about 18 months after the conclusion of the acquisition of a coherent chunk of data

(corresponding to a science run or a coherent subsection of it). This period could be reduced as confidence in the quality of the data improves, but it could also be increased in exceptional cases, such as problems with data qualification or inconsistent results, with a decision made by the relevant authorities.

- Annual Symposium/Meeting

- Symposium Aachen 15-19 June 2026
- Annual Meeting 2026, candidature approved: **Prague, November 2026**
- Symposium 2027, candidature: Elba Island, May 2027

Thanks !

## The following activities count toward Core membership:

1. Individual scientific work that fits within the core and long-term activities
2. Collective work performed within a RU corresponding to an activity agreed between the RU and the Collaboration
3. Service work for Standard and Service Boards
4. Management Role (SP/DSP, CB Chair, CB member/RU Leader, Board Chair, EB Member, Division Chairs, WP Leaders)

## activities (cont'd):

5. Management/leadership activities in a group working for ET
6. Documented activity of funding applications, that have been coordinated with the respective Board Chairs, for raising funds for a group working for ET (the effort is recognized independently of the success of the proposal)
7. Activity at the national or international level finalized to obtaining support for ET from governmental bodies or funding agencies, as well as activities from the national institute representatives