

Evolution of the CE Consortium

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Status of the CE Consortium

Currently, being a Consortium member does **not** come with any FTE commitment

If you are not a member, join [here!](#)

538+ members

The Consortium is currently steered by us (Salvo and Jocelyn) as a volunteer team. A future elected governance structure is outlined in our Consortium document (<https://dcc.cosmicexplorer.org/CE-M2200001>). The volunteer team will host elections and transfer leadership to an elected team when we think it's appropriate, or when 5% of the community requests it.

Current activities of the Consortium

- ❖ We have held [monthly science calls](#) for the last 2+ years
 - Alternating times (Europe friendly and Asia/Austrian friendly)
 - 2 x 25m presentations per call, usually about recent CE-related papers or works
 - Occasional once-off presentations from the CE Project
 - Any Consortium member can fill a request for a slot (link above)
- ❖ neXt-Gen Collaborative Design (XGCD) with ET
 - Started in January this year
 - ~every other month 1.5h long meeting on instrument topics of common interests for ET and CE

How should the Consortium work moving forward?

- A proposal: both in instrument and observational science, the Project brings to the Consortium questions that need to be answered to move the Cosmic Explorer concept design forward
 - Similar to how we organized the panels during this Symposium – people were “tasked” with answering specific questions
 - It is also working well for the neXt-Gen Collaborative Design (XGCD) effort with ET
 - Is there a need for more instrument discussions in the Consortium?
- Possible topics around which people might cluster in small groups have started emerging from the Symposium
 - What science is missed if we have 2 next-gen detectors instead of 3 (ngGW recommendation)? What if something goes wrong and we only have one?
 - What compelling science can we do that is relevant for DOE?
- So... What is the Consortium? 🤔

Cosmic Explorer Consortium: Membership

The Cosmic Explorer Consortium is intended to **organize and represent the broader Cosmic Explorer community**, which will include scientists across related fields, technical and nontechnical contributors to the Project, people working with Cosmic Explorer, and other interested parties.

Membership in the Cosmic Explorer Consortium does not preclude membership in the Cosmic Explorer Project **or in other collaborations**.

Members are **encouraged to collaborate with each other**, as well as scientists outside the Cosmic Explorer Consortium, on projects related to Cosmic Explorer. **Commitment to specific Scientific Collaborations is not required to join the Cosmic Explorer Consortium.**

Cosmic Explorer Consortium: Objectives

1. Bringing together the scientific, technical, individual, interpersonal, cultural, and systems expertise needed for the development and effective use of Cosmic Explorer.
2. Facilitating the contribution of talents and perspectives from across the astronomy and physics community to Cosmic Explorer's science and technology.
3. Supporting equitable participation in creating, and equitable access in using, the knowledge, infrastructure, and innovations that result from Cosmic Explorer.
4. Working to ensure responsible and fair allocation of necessary and available Consortium resources across people, processes, and priorities.

How can we work toward these objectives? Do we need to seek out additional resources?

Cosmic Explorer Consortium: Activities

Consortium activities will include, but are not limited to:

- Coordinating regular Cosmic Explorer Science calls and organizing meetings, workshops, conferences, and schools related to the activities of the Consortium,
- Contributing to detector technology and science case development for Cosmic Explorer; communicating the potential of Cosmic Explorer through community participation and white paper contributions,
- moderating and maintaining the Cosmic Explorer Consortium mailing list to share announcements, scientific news, and other items of community interest.
- ...

Examples: CE Science calls, CE Science Letters, all of your contributions to white papers and workshops.

Cosmic Explorer Consortium: Structure

- The CE Consortium will host **Forums**: open discussion of topics [e.g. past forum on Consortium document]
- The CE Consortium will encourage the formation of:
 - **Topical Groups** to explore CE's scientific potential. Groups can set up their own interaction structure through external wikis and repositories. Groups are encouraged to advertise efforts on the CE mailing list and document resources and summaries of work in the Document Control Center. The Consortium will maintain a directory of active Groups.
 - **Collaborations** to answer specific science questions. Collaborations are self-governing and may develop bilateral agreements with each other, with the CE Project or with other entities. Membership, authorship, and publication policies for Scientific Collaborations will be **determined by each Collaboration**.

*Should we host more forums or do more to encourage the formation of these groups? Do *you* want to engage in these activities? Topical interest in Waveforms, Computational/Analysis challenges, instrumental science?*

CE Consortium Survey opens TODAY April 25

- Demographic and involvement survey of **CE Consortium**
 - Opens at the end of the CE Symposium today April 25 through May 23
 - Individual invitation emails sent by CERSE through Qualtrics
 - If you participated in the CE Project survey you are invited to participate in the CE Consortium survey as well
 - If you are not a CE Consortium member or just joined and would like to participate in the survey, please **send an email to Rae Jing Han <rjhan@uw.edu> to be added to the invitation list**

