

ET/EGO-Virgo
relations and exchanges

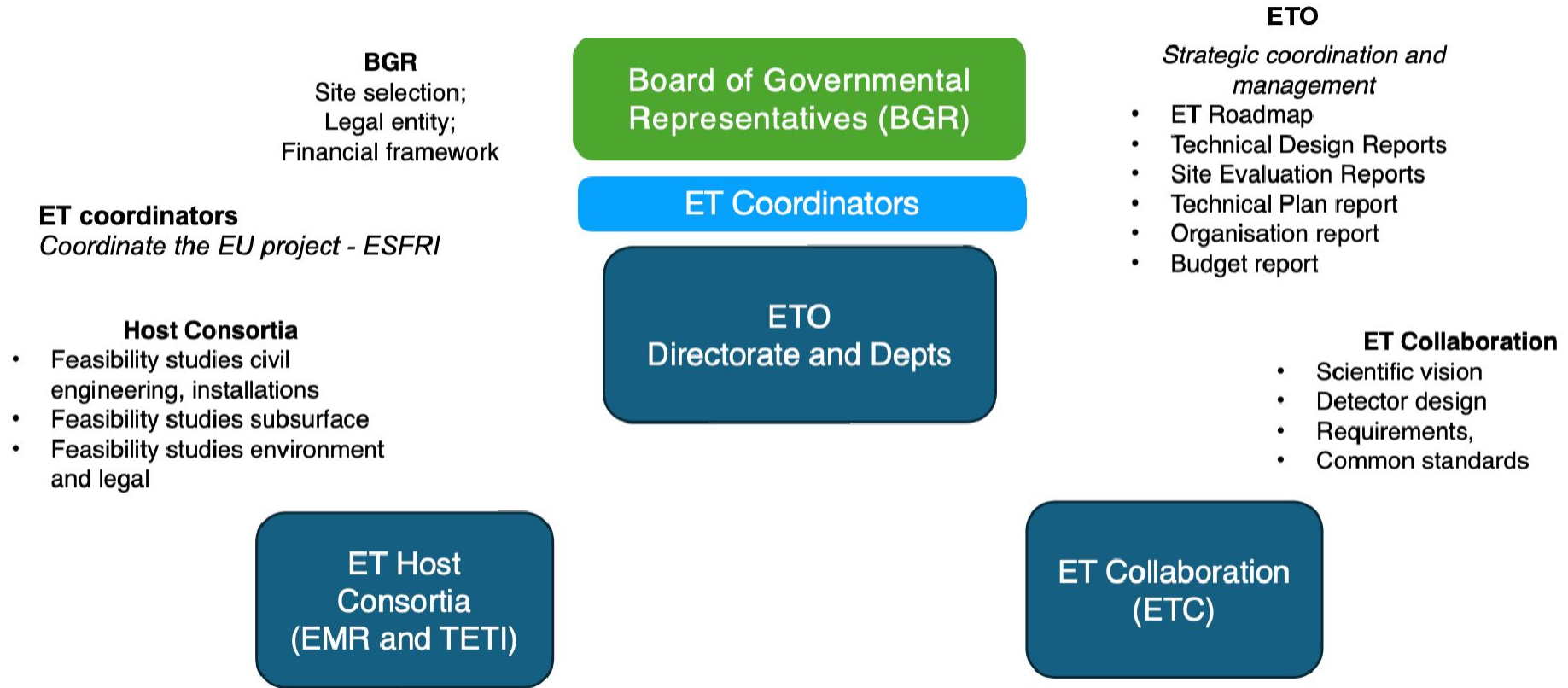
Context

- The gravitational-wave community in Europe consist of a limited group of experts (instrument, data analysis, theory)
- Yet, Virgo & ET operate largely independently of each other
 - Instead of along some common roadmap
- This creates several challenges
 - Limited funding resources are split between projects
 - Delineation of work between the two projects
- Consequences
 - Missed opportunities for synergy
 - Inefficiencies due to limited continuity and long-term planning

Call for stronger cooperation

- Increasing community call for better cooperation/integration
 - Leadership of the two projects should open communication channels
- Areas of discussion
 - Leverage each other's expertise
 - Synergistic use of human/financial resources
- Roadmap: from Virgo to Einstein Telescope
 - Recognise the landscape of the European ground-based detectors
 - Establish a trajectory from Virgo to Einstein Telescope
 - Set out mechanisms for synergy between the project

Current status of the main ET partners



Bilateral Discussions at Different Levels (example)

	Virgo	Einstein Telescope
Strategic coordination	EGO Council	BGR
Management	VirgoLab	ET Organisation
Scientific Vision	Virgo Collaboration	ET Collaboration
Detector Design	VirgoLab	ET Collaboration
Research & Development	Virgo Collaboration	ET Collaboration
...

Concluding Remarks

- Evident that communication channels are needed between Virgo and ET
 - Projects are inextricably linked
 - Better leverage human/financial resources
- Initiate the conversation at various levels of organisation
 - New organisational structures should be mandated to engage with the appropriate ET counterpart
- Setup rules of engagement between the projects
- Work towards a joint roadmap/vision document