bulletpoints presentation

Requirements flow scheme:
https://drive.google.com/file/d/1i_huu3kgjLH98MpVHHXZYsVVoioaq4oa/view?usp=sharing

- Efforts towards building a comprehensive requirement flow for the ET-LF integrated tower interfacing to ETO

- Important because: Communication to Engineers + Acknowledged Figure of merit to evaluate concepts + Interfaces definition

- Next: Set-up small group to Repeat method to define (unqualified) Input Requirements for subsystems (cryostat, suspension, payload, vacuum tank)

- Finally: Quantifying more requirements over coming period

Compact ET-LF integrated tower concept

- Concept for a compact - Single cavern - lateral access (12m height 4m diameter) tower has been studied to minimize envelope and acquire stiff suspension connection to the rock. (Baseline cryogenic payload parameters are used)

- Seismic platform and Suspension chain controls and noises have been included in the performance evaluation with promising results, with plan of attack to include the global control

- 3 wires from cryo platform to previous stage (last room temperature filter) is chosen to solve yaw control issues and minimize actuators within cryostat.

- Convincing simulated evidence to meet ice-growth requirements with compact concept, but simulation should be reviewed and validated by ETpf measurements

- In discussion after: Concerns have been raised about lateral access to the payload (duty cycle, openness about vacuum simulation details, is seismic platform for cryostat helpful?, next step: heatlinks should be included)

Kind regards,
Robin & Michele