

High Field Magnets Programme Working Groups

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February 29, 2024



Cross-cutting and in-depth

- WGs serve for in-depth expert discussions and collaboration.
- WGs have defined scope and may exist for a limited time.
- They shall not duplicate the status-update function of the HFM forum!
- The terms “teams / team meetings” are another way to look at WGs.
- The need for WGs arises when
 - multiple actors are active in the same area of expertise.
 - the topic requires a joint effort by actors from different fields, RD lines, or even programs/projects.

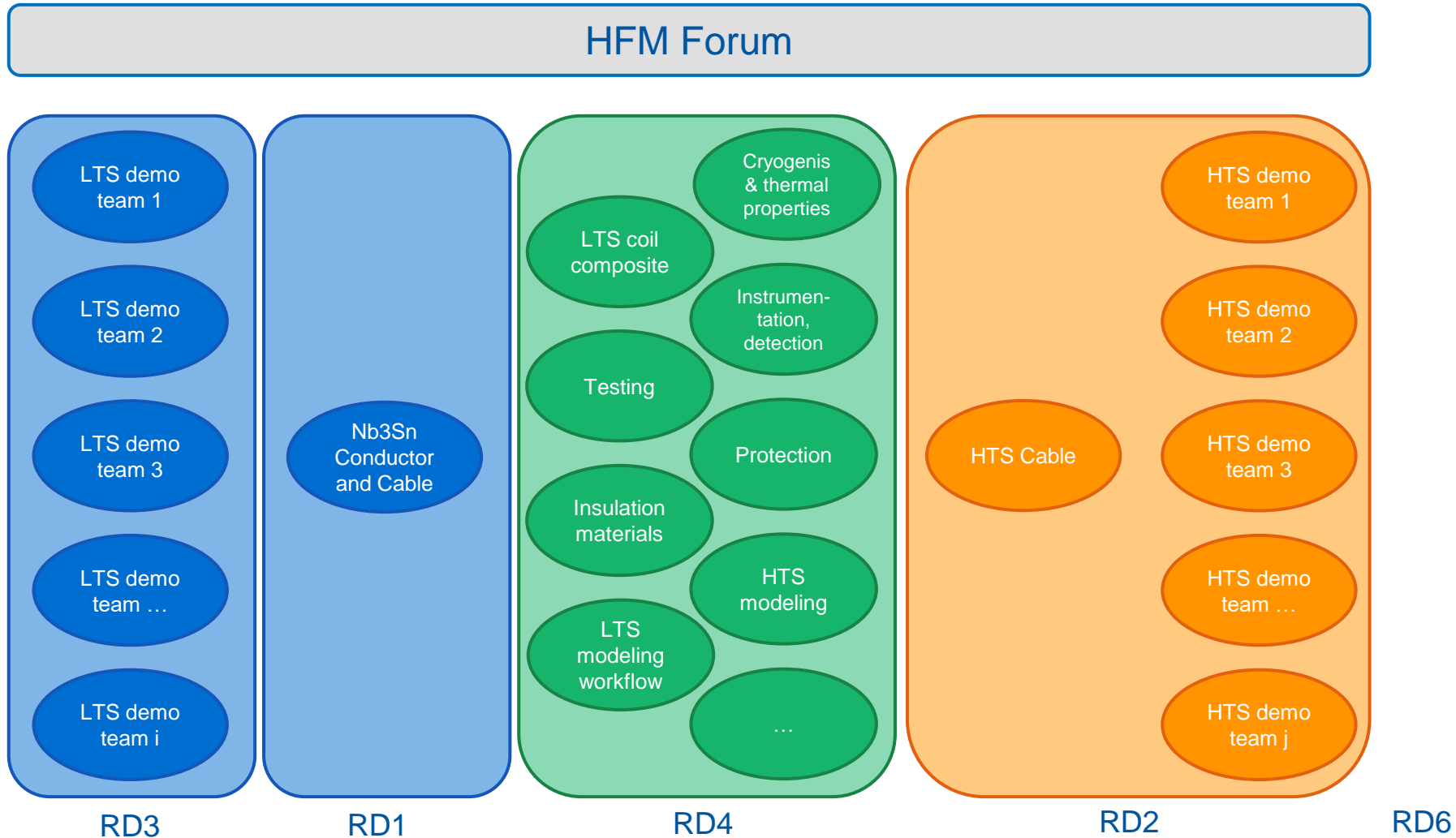


Light-weight and informal

- WGs are generally bottom-up initiatives
 - The last RDL4 meeting saw a demand for expert working groups.
- Existing examples:
 - Insulation WG (exists around the nucleus of ETHZ-PSI-CERN collaboration, every 1-2 months, contact: R. Piccin)
 - Common-coils WG (BNL, CIEMAT, IHEP, PSI, every 2 months, contact: D. M. Araujo)
 - To some extent, magnet projects are cross-cutting WGs
- Some early initiatives:
 - Quench and Analysis of Transients WG (contact: M. Wozniak)
 - LTS coil composite WG
 - HTS modeling WG
- Researchers who intend to form/modify/close a WG should inform concerned RDL coordinators and PLs.



HFM Collaboration Mechanisms

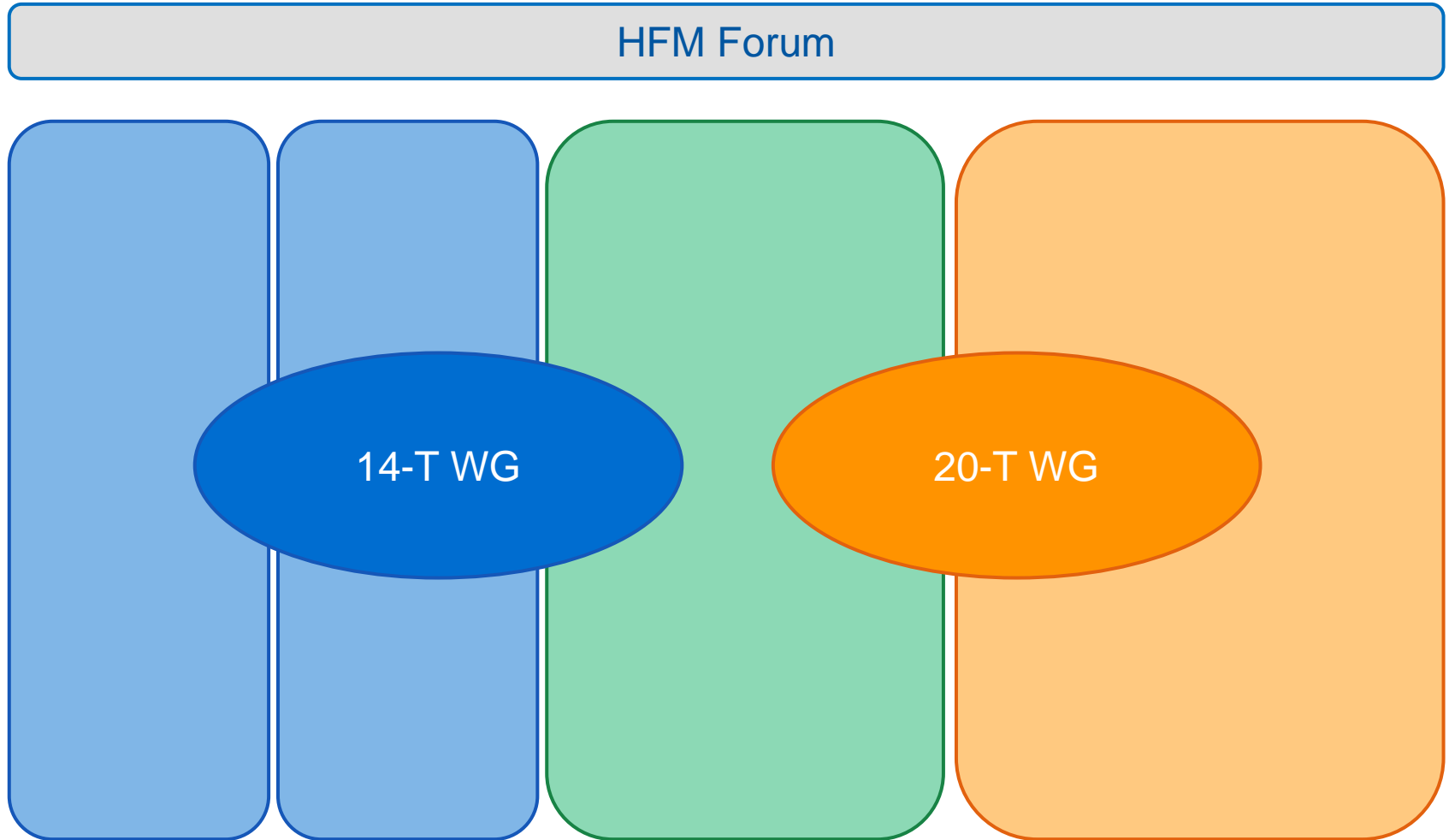


20-T and 14-T WGs?

- We are discussing the creation of a 20-T WG.
- Scope:
 - in-depth discussions of
 - (intermediary) targets/specifications
 - main technical challenges
 - brainstorming of solution strategies
 - bridging of RDL4 and RDL2 activities
 - discussion of multi-system problems spanning HFM and FCC such as sustainability / power consumption
 - merits of hybrid vs. all-HTS
 - etc.
- Could use HFM timeslot.
- A similar WG could be introduced around the 14-T goal.
- We may simply try it out and gather your feedback!



HFM Collaboration Mechanisms



Outlook: Tools

Collaboration Tools

- website for external communication
- intranet (sharepoint) for internal info and resources
- indico for HFM forum meetings, annual meeting, some WGs
- cernbox for WG data sharing
- messenger (CERN's Mattermost) for WG discussions beyond meeting



Outlook: Annual Mtg, Workshops

- The 2024 annual meeting will be held at CERN.
- In-person thematic workshops can be organized when the WG mechanism is not efficient enough.





HFM
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