Update on DRD2 MoU

DRD Manager Forum

Organization

- Internal organization almost completed: Spokespersons and CB Chair elected
- The scientific action is taking place within 9 Tasks (sub-WP) (these are themed under 4 WPs, but are distinct and complementary)
- 18 Task Leaders were nominated and approved by CB in September
- Approved 4 new WP leaders (to be aligned with MOU organisational definitions)
- One Working Group (Infrastructures & Facilities) has been formed, the
 others (Computing & Software, Outreach and Training) will be created later
 when the collaboration can most directly benefit from them

Organization

WP1
Charge Readout
Elena Gramellini (UK)

1.1 Pixels & charge+light
Jonathan Asaadi (USA)
Elena Gramellini (UK)

1.2 Charge-to-light, electroluminescence & amplification Alexander <u>Deisting</u> (DE) Kostas Mavrokoridris (UK)

Ion detection
Group leaders

WP2 Light Readout Marci Kuzniak (PO)

2.1 Increased sensor quantum efficiency Paolo Agnes (IT) Miguel Garcia Peris (UK)

2.2 Higher efficiency
WLS and collection
Marci Kuzniak (PO)
Justo Martin-Albo (ES)

Improved sensors for LS & WC Group leaders WP3
Target Properties
Micheal Wurm (DE)

3.1 Target properties and isotope loading of LS & WC Micheal Wurm (DE) Hans Steiger (DE)

3.2 Target properties and isotope loading of noble elements Davide Franco (FR) Dmitrii Rudik (IT) WP4
Scaling-up Challenges
Roberto Santorelli (ES)

4.1 Radiopurity & background mitigation
Roberto Santorelli (ES)
Paul Scovell (UK)

4.2 Detector and target procurement/production & purification

Minfan Yeh (USA) Mauro Caravati (IT)

4.3 Large-area readouts

Jose Crespo (ES)

Daniel Dwyer (USA)

Material properties
Group leaders

WG1: Common infrastructures & Facilities

TBD



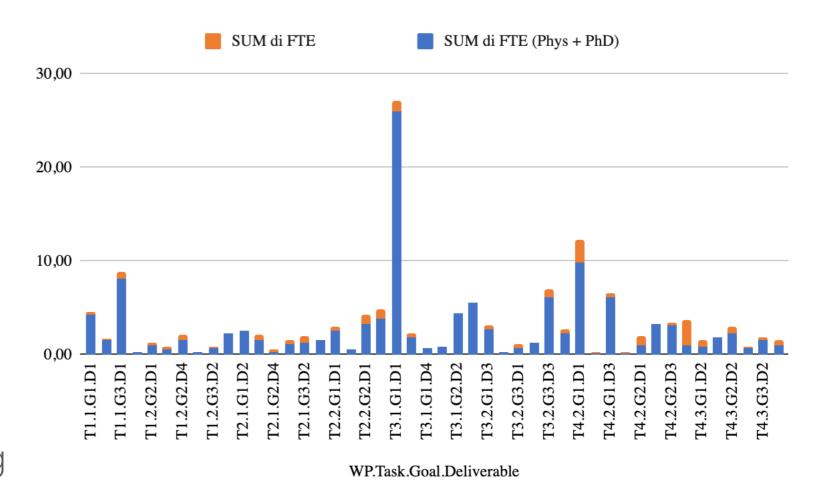
Annexes preparation

- Revisited the Deliverables & Milestones identified at the proposal level (2023)
- Via a series of mini-Workshops (September), each Task updated and reworked the deliverables and collected updated FTE/Funding commitment info
- We ensured that the plans and wording of deliverables is satisfactory for all our members to commit and sign the MOU
- Reminder: Most of our members do not have yet DRD funding. Commitments are right now minimal but clear enthusiasm to make scientific progress
- We plan to add the Working Group Annex later this year (as no members currently contribute to only WG, and right now it is absorbed in WP)



Tables at a glance

- 60 institutions
- 46 deliverables
- 123,94 FTE (Phys+PhD)
- 20,45 FTE (Eng + Tech)
- 21.439,00k€ total funding



A single task group (T4.1: Radiopurity and background mitigation, including a network of UL) is still missing from the global picture



Summary and next steps

- Annex tables are being finalized
- DRD2 (virtual) Collaboration meeting on 29 October to inform the collaboration of the updates, so that everyone is ready to sign the MOU when the time comes (final tables to be presented at DRDC meeting in 13-14 Nov.)
- Given the current absence of funding for most members, we are really working hard to keep the science activities at the forefront to make scientific advances
- The next year will be used to consolidate the newly formed activities to strengthen funding proposals for the upcoming rounds

