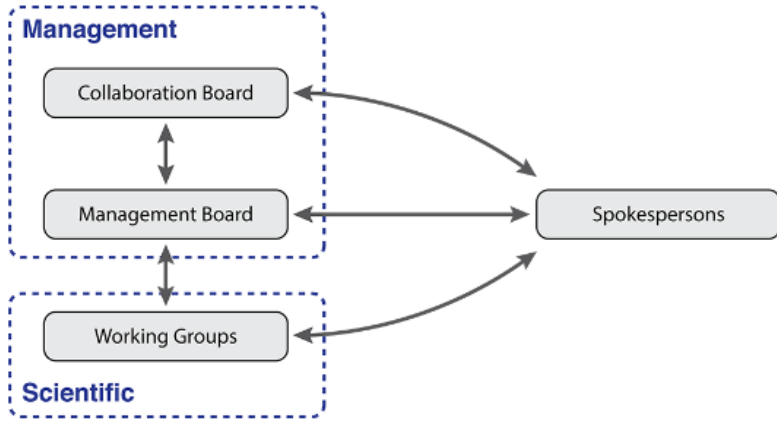


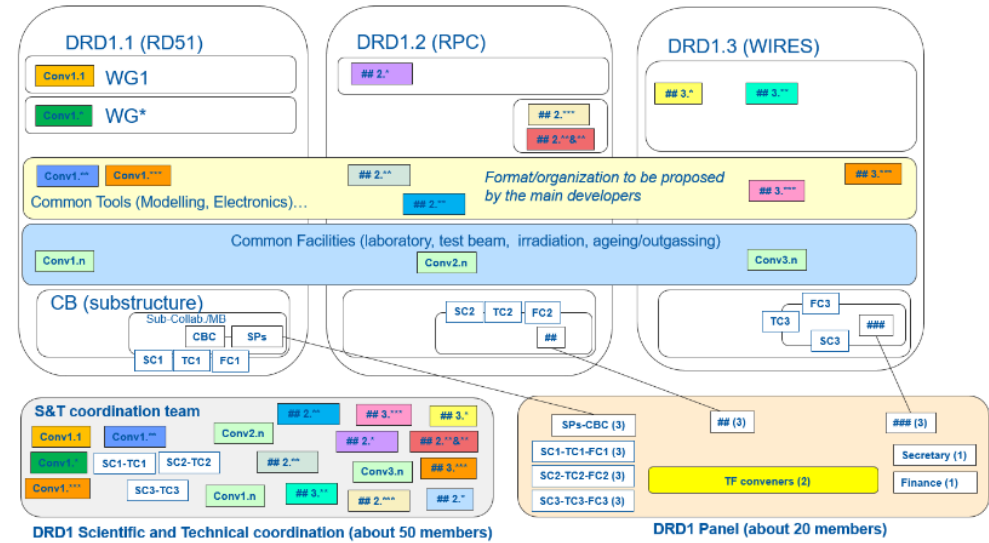
No technology related granularity



RD51 – Micropattern Gas Detectors

	WG1 New Structures and Technologies	WG2 Detector Physics and Performance	WG3 Training and Dissemination	WG4 Modelling of Physics Processes & Software Tools	WG5 Electronics for MPGDs	WG6 Production and Industrialisation	WG7 Common Test Facilities
Objectives	Design optimization Development of new geometries and techniques	Common test standards Characterization and understanding of physical phenomena in MPGD	Organisation of dissemination and training events for the MPGD community	Development of common software and documentation for MPGD simulations	Readout electronics optimization and integration with MPGD detectors	Development of cost-effective technologies and industrialization	Sharing of common infrastructure for detector characterization
Tasks	Large Area MPGDs	Common Test Standards	Topical Workshops	Algorithms	FE electronics requirements definition	Common Production Facility	Testbeam Facility
	Design Optimization New Geometries Fabrication	Discharge Protection	Schools (Electronics, Simulation, ...)	Simulation Improvements	General Purpose Pixel Chip	Industrialization	
		Ageing & Radiation Hardness			Large Area Systems with Pixel Readout		
	Development of Rad-Hard Detectors	Charging up and Rate Capability	Academy-Industry Matching Events	Common Platform (Root, Geant4)	Portable Multi-Channel System	Collaboration with Industrial Partners	Irradiation Facility
Development of Portable Detectors	Study of Avalanche Statistics	Dissemination of MPGD applications	Electronics Modeling	Discharge Protection Strategies			

Preserving some technology related granularity (in which format to be discussed)



Meetings

- (I) DRD1 Meeting (full community)
- (II) DRD1.# meeting (substructure collaboration meeting.. RD51, RPC,...)
- (III) Topical Workshop / Working group meeting (transversal between DRD1.#)

