



Next steps

Student survey

Follow-up meeting

Planning

WG8 mailing list

<https://e-groups.cern.ch/e-groups/EgroupsSubscription.do?egroupName=rd51-wg8>

WG8

Training and Dissemination

<https://drd1.web.cern.ch/activities-wg8>

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DRD1 Community Meeting, June 2023

WG8: Training and Dissemination

- Topical workshops
- Schools
- Technical trainings
- Knowledge and technology transfer
- Education and outreach
- Supporting and promoting careers

Knowledge exchange and facilitating scientific collaboration

Events

- Organisation of regular topical workshops ([stand-alone / linked to DRD1 Collaboration Meetings?](#))
- Dedicated workshops on specific topics of interest
 - [Cross-technology topics? Format/length?](#)
- Identify current topics of interest and give examples of topical workshops

Resources / repositories - in synergy with other WGs

- Repository for DRD1 notes - link to existing notes
- WG3: Database on gases / materials / detector mechanics
- WG6: Forum for sharing experiences, knowledge, and best practices on gaseous detectors
- WG7: Laboratory Handbook, Database of facilities with potential local support from DRD1 members
- [Find common approach to collect / retain / keep updated information](#)

Reference	Description	Deliverable Nature
D8.1.1	Organisation of topical workshops	Event
D8.1.2	Creation of repository for DRD1 notes	Online repository

Training and dissemination

- Highlight importance of schools for young researchers as well as for spreading experience and approaches on common tasks and techniques
- Target students, postdocs, senior researchers
 - Technology-focused schools - MPGD / RPC / Wires / ...?
 - Gaseous detector physics school - DRD1 School?
- Topical schools - Simulations / Electronics / ... ?
- Technical training events - link with WG6

Reference	Description	Deliverable Nature
D8.2.1	Organisation of gaseous detectors school	Event
D8.2.2	Identification of technical training interests and opportunities	List of possible activities
D8.2.3	Organisation of technical training course	Training event
D8.2.4	Creation of expert database	Web resource

Knowledge and technology transfer

- Events/resources dedicated to exchanging experiences on knowledge transfer to industry - WG6 - Production
- Technical training courses in collaboration with WG6 - Production
- List of experts and resources on technical topics as well as organisational challenges on technology transfer activities

Career promotion

- DRD1 award for young researchers presented during collaboration meeting
- Invite young researcher to leadership roles within collaboration (e.g. WG (co-)convenorship, organising topical workshops, ...)
- Opportunities for blue-sky R&D through Common Projects
- Link to ECFA TF9 activities and proactively promote measures via ECFA policy towards universities and institutes for the valorisation of R&D experts
- Job opportunities posting on DRD1 website: <https://drd1.web.cern.ch/other-jobs>
 - Listing and posting jobs forwarded by DRD1 institutes

Reference	Description	Deliverable Nature
D8.3.1	Create job opportunities listing	Web resource
D8.3.2	Initiate DRD1 award for young researchers	Event
D8.3.3	Promote young researcher participation in collaboration activities	Participation in events

Outreach and education

- Active contribution and support of internships and summer school programmes including CERN summer student program and at other Institutes
- Promoting gas detector lectures and laboratory activities in university courses as well as external schools and training events
- Share information about existing / planned initiatives and promote participation

Reference	Description	Deliverable Nature
D8.4.1	Identify outreach activities and promote participation	Report on webpage
D8.4.2	Identify existing education setups and resources	Report on webpage
D8.4.3	Provide resources for educational setup	Description, technical plans, documentation ⁸

WG8 activities

- Defined goals and deliverables in draft proposal
- Synergies with deliverables defined by other WGs (repositories, resources, databases, ...)
- Define common tools and approach to organise / make accessible and keep up to date resources
- Strong interest expressed in survey to participate in training events
- Contact interested institutes and discuss plans for participation in WG8 activities

Technical resources planned by different WGs

Common resources - deliverables per WG			
WG	Resource	Implementation	Status
3	Common gas properties database	Consider adapting existing solution - possibly similar to Aachen Gas DB	Meeting with Stefan and WG3 convenors in Sept
3	Report for a common approach		
3	Common construction material database	Model after existing gas properties database - similar solution?	
3	Common resistive materials database	Model after existing gas properties database - similar solution?	
4	Software repository, examples	Webpage: Compilation of available software packages, links Available access to resources?	
5	Documentation repository		
	Sharing of schematics/firmware/software	Gitlab	
6	Repository for reports	EOS + list in doc + links on webpage	
6	Production needs, facilities & capabilities from additional survey	DB, Common vs. collaboration facilities / access, existing equipment (also from large projects) that can be	Additional survey to be conducted
6	Technology transfer database / partners	List/page of industrial partners rather than DB, classify, which components, previous experience	
6	Online support forum (experiences / best practices)		Discourse forum drd1-forum.web.cern.ch
7	Detector Laboratories Network	Webpage	
7	Laboratory Handbook		
7	Database of test beam facilities with potential local support	Table on webpage, link to https://irradiation-facilities.web.cern.ch/index.php	
7	Database of irradiation facilities with potential local support	Table on webpage, link to https://irradiation-facilities.web.cern.ch/index.php	
7	Database on ageing study setups		
7	Database on outgassing and ageing effects of tested materials		
7	Documentation of existing hardware / common infrastructure		
7	TWiki page with module manuals and schematics	Links to existing resources, new TWIKI/resources for other projects	
7	Test Facilities Database	Specific to DRD1	
8	Repository for DRD1 notes	EOS + list in doc + links on webpage, notification/"newsletter"	Created, identify responsible for maintenance
8	List of training opportunities		Created, fill, maintain
8	Database of experts on specific topics	WG convenors contacts	
8	Job opportunities listing	Webpage https://drd1.web.cern.ch/other-jobs	Created, fill, maintain
8	Provide resources for educational setup		
8	Common projects	Notes, repository	
	PhD community, representative, DRD1-young	thesis, school, representation/input	
	Regular newsletter communicating events, jobs, notes, etc.	Regular e-mail to drd1-all	Diego volunteered to organise

Technical solutions options (please list ideas)

Webpage

Twiki

Classical web forum

EOS/CERNbox space

Gitlab

Discord (check with WG5)

other ideas?

DRD1 Forum

Discourse Getting started ⓘ

Topics

My Posts •

Review 1 pending

Admin

More

Categories

- General
- WG4: Software and Sim...
- Simulation Tools
- WG6: Production and Te...
- Materials
- Tools

All categories

Tags

- mpgd

All tags

Configure defaults

Messages

Do you want live notifications when people reply to your posts? [Enable Notifications](#)

all categories ▾ all tags ▾ **Categories** Latest Top

Category Topics Latest

WG6: Production and Technology Transfer 2 [DLC for uRWELL detectors](#) Sep 5
[Coverlay materials](#) Sep 5

■ Materials ■ Tools

Staff 4 [Privacy Policy](#) Aug 24
[Terms of Service](#) Aug 24
[Admin Guide: Getting Started](#) Aug 22

Private category for staff discussions. Topics are only visible to admins and moderators.

General 1 [Welcome to DRD1!](#) 🎉 Aug 22

Create topics here that don't fit into any other existing category.

Site Feedback 0

Discussion about this site, its organization, how it works, and how we can improve it.

WG4: Software and Simulation 0

■ Simulation Tools