

Kick-Off Meeting including TM1 and TM2 Agenda

Meeting date: Tuesday, 06.05.2025, - Friday, 09.05.2025

Meeting venue: E.ON ERC main building
RWTH Aachen University
Mathieustraße 10
52074 Aachen
Germany




Meeting link: <https://rwth.zoom-x.de/j/67150899643?pwd=kwETqUch0CBGsRP2zV4OAcjvtj3liA.1>
Meeting-ID: 671 5089 9643
Code: 896778

Day 1: Tuesday, 06.05.2025

Participants: All doctoral candidates, RWTH ACS, KIT, KTH

Start	Topic	Speaker / Responsible	Room
12:30 – 13:30	Arrival, registration, lunch	<i>RWTH EUPM</i> (=Velten Skorwider, Rojda Özkan)	<i>Foyer</i>
13:30 – 13:40	Welcome and introduction	Antonello Monti <i>RWTH ACS</i>	00.26
13:40 – 13:50	Setting the Scene: Inter-oPEn	Antonello Monti <i>RWTH ACS</i>	00.26
13:50 – 14:20	Ice Breaker: Getting to know each other	Bettina Schäfer <i>RWTH ACS</i>	00.26
14:20 – 14:50	Administrative project issues	Rojda Özkan <i>RWTH EUPM</i>	00.26
14:50 – 15:05	Coffee break	<i>RWTH EUPM</i>	<i>Foyer</i>
15:05 – 15:10	Introduction to power electronics for renewable energy integration (TM 1)	Ilka Jahn <i>KTH</i>	00.26
15:10 – 15:55	Power system needs/constraints and towards large scale HVDC grids in the EU context	Thomas Leibfried <i>KIT</i>	00.26
15:55 – 16:40	Components: power electronic devices for power systems, choppers/DBS,	Ilka Jahn <i>KTH</i>	00.26




	DCCBs, cables/OHLs, MOVs, and other key components		
16:40 – 17:25	Session on open science	Antonello Monti <i>RWTH ACS</i>	00.26
17:25 – 17:30	Recap of day 1 + administrative issues if applicable	Antonello Monti <i>RWTH ACS</i>	00.26
17:30	End of day 1		
19:00	Self-paid dinner: Kaiserwetter Karree Alter Posthof 13 52062 Aachen https://kaiserwetterkarree.de/	Directions: 	

Day 2: Wednesday, 07.05.2025

Participants: All doctoral candidates, RWTH ACS, KUL, UPC, KIT, KTH, TUBS, TU DELFT. Note: All partners are invited to join the working dinner which will take place at 7 pm.

Start	Topic	Responsibility	Room
8:30 – 9:00	Arrival and registration	<i>RWTH EUPM</i>	<i>Foyer</i>
9:00 – 9:05	Welcome and introduction	Antonello Monti <i>RWTH ACS</i>	00.26& 00.27
9:05 – 9:10	Introduction to power electronics for renewable energy integration (TM 1)	Geraint Chaffey <i>KUL</i>	00.26& 00.27
9:10 – 9:55	Introduction to offshore wind integration	Eduardo Prieto Araujo <i>UPC</i>	00.26& 00.27
9:55 – 10:40	HVDC grid protection	Geraint Chaffey <i>KUL</i>	00.26& 00.27
10:40 – 10:55	Coffee break	<i>RWTH EUPM</i>	<i>Foyer</i>
10:55 – 11:40	Introduction to HVDC converters and converter control	Eduardo Prieto Araujo <i>UPC</i>	00.26& 00.27
11:40 – 12:25	HVDC grid operation and control	Alexander Bisseling <i>KIT</i>	00.26& 00.27
12:25 – 13:25	Lunch break	<i>RWTH EUPM</i>	<i>Foyer</i>
13:25 – 14:10	Multivendor: towards multivendor HVDC systems – needs, ongoing work, challenges	Ilka Jahn <i>KTH</i>	00.26& 00.27




14:10 – 14:55	Functional modelling and testing: state of the art and future needs	Melanie Hoffmann <i>TUBS</i>	00.26& 00.27
14:55 – 15:10	Coffee break	<i>RWTH EUPM</i>	<i>Foyer</i>
15:10 – 15:25	Summary of TM1, final Q&A	Geraint Chaffey <i>KUL</i>	00.26& 00.27
15:25 – 16:10	Session on diversity	Azadeh Kermansaravi <i>TU DELFT</i>	00.26& 00.27
16:10 – 16:20	Recap of day 2 + administrative issues if applicable	Bettina Schäfer <i>RWTH ACS</i>	00.26& 00.27
16:20 – 16:50	Doctoral Candidates: Election to the Supervisory Board	Bettina Schäfer <i>RWTH ACS</i> <i>RWTH EUPM</i>	00.26& 00.27
16:50	End of day 2		
19:00	Working dinner including a 3 course menu and 2 beverages p.p. Restaurant Elisenbrunnen Friedrich-Wilhelm-Platz 14 52062 Aachen https://eb-aachen.de/	Directions: 	

Day 3: Thursday, 08.05.2025

Participants: All doctoral candidates, all supervisory board members, all stakeholder board members. **Note:** Stakeholder board members should participate to the first half of the day and can leave after the lunch break. Supervisory board members who don't have any active role in the afternoon can leave after the lunch break.

Start	Topic	Responsibility	Room
8:30 – 9:00	Arrival and registration	<i>RWTH EUPM</i>	<i>Foyer</i>
9:00 – 9:10	Welcome and introduction	Bettina Schäfer <i>RWTH ACS</i>	00.24
9:10 – 9:40	Introduction round	Bettina Schäfer <i>RWTH ACS</i>	00.24
9:40 – 9:45	Overview of the work packages and discussion	Bettina Schäfer <i>RWTH ACS</i>	00.24
9:45 – 10:15	Overview WP3: Engineering components for swift interoperability <i>10 min presentation + 20 min discussion</i>	Ilka Jahn <i>KTH</i>	00.24



10:15 – 10:45	Overview WP4: Integration of a resilient and flexible power system <i>10 min presentation + 20 min discussion</i>	Aleksandra Lekić, Tuanku Badzlin Hashfi <i>TU DELFT</i>	00.24
10:45 – 11:15	Overview WP5: Enabling interoperability from legal and regulatory viewpoint <i>10 min presentation + 20 min discussion</i>	Ceciel Nieuwenhout, Marina Markellou <i>RUG</i>	00.24
11:15 – 11:30	Coffee break	<i>RWTH EUPM</i>	<i>Foyer</i>
11:30 – 12:15	Session on industry expectations	Sébastien Lepy, Geethu Joseph <i>CRESYM</i>	00.24
12:15 – 13:00	Session on communication and dissemination	Sébastien Lepy, Geethu Joseph <i>CRESYM</i>	00.24
13:00 – 14:00	Lunch break	<i>RWTH EUPM</i>	<i>Foyer</i>
14:00 – 14:05	Introduction to (open-source) software as aspects of resilient power grids (TM 2)	Antonello Monti <i>RWTH ACS</i>	00.24
14:05 – 14:50	Reproducible and Open-Source Software Practices	Azadeh Kermansaravi <i>TU DELFT</i>	00.24
14:50 – 15:35	CRESYM – opensource research for the energy sector	Sébastien Lepy <i>CRESYM</i>	00.24
15:35 – 15:50	Coffee break	<i>RWTH EUPM</i>	<i>Foyer</i>
15:50 – 16:35	Harmony	Azadeh Kermansaravi <i>TU DELFT</i>	00.24
16:35 – 17:20	DPSim	Georgii Tishenin <i>RWTH ACS</i>	00.24
17:20 – 17:30	Recap of day 3 + administrative issues if applicable	Antonello Monti <i>RWTH ACS</i>	00.24
17:30	End of day 3		
19:00	Self-paid dinner: White House Aachen <i>Pontstraße 141-149</i> <i>52062 Aachen</i>	Directions: 	

Day 4: Friday, 09.05.2025
Participants: All doctoral candidates, RWTH ACS

Start	Topic	Responsibility	Room
8:30 – 9:00	Arrival and Registration	<i>RWTH EUPM</i>	<i>Foyer</i>
9:00 – 9:05	Welcome and introduction	Antonello Monti <i>RWTH ACS</i>	00.23
9:05 – 9:10	Introduction to (open-source) software as aspects of resilient power grids (TM 2)	Antonello Monti <i>RWTH ACS</i>	00.23
9:10 – 10:40	RT simulation	Antonello Monti <i>RWTH ACS</i>	00.23
10:40 – 10:55	Coffee break	<i>RWTH EUPM</i>	<i>Foyer</i>
10:55 – 11:40	LFE and LF more in general	Antonello Monti <i>RWTH ACS</i>	00.23
11:40 – 12:25	Automation platform	Antonello Monti <i>RWTH ACS</i>	00.23
12:25 - 12:40	Summary of TM2, final Q&A	Antonello Monti <i>RWTH ACS</i>	00.23
12:40 – 13:40	Lunch break	<i>RWTH EUPM</i>	<i>Foyer</i>
13:40	End of day 4, departure		

