

**Inter-oPEN**  
 Interoperability of the Power  
 Electronic dominated grid by openness

**Kick-Off Training Week**  
**Agenda**  
**(Preliminary)**

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

**Day 1: Tuesday, 06.05.2025**

Start	Topic	Speaker / Responsible
<b>12:30 – 13:30</b>	Arrival, registration, lunch	<i>RWTH EUPM</i> (=Velten Skorwider, Rojda Özkan)
<b>13:30 – 13:40</b>	Welcome and introduction	Antonello Monti <i>RWTH ACS</i>
<b>13:40 – 13:50</b>	Setting the Scene: Inter-oPEN	Antonello Monti <i>RWTH ACS</i>
<b>13:50 – 14:20</b>	Ice Breaker: Getting to know each other	Bettina Schäfer <i>RWTH ACS</i>
<b>14:20 – 14:50</b>	Administrative project issues	Rojda Özkan <i>RWTH EUPM</i>
<b>14:50 – 15:05</b>	Coffee break	<i>RWTH EUPM</i>
<b>15:05 – 15:10</b>	Introduction to power electronics for renewable energy integration (TM 1)	Ilka Jahn <i>KTH</i>
<b>15:10 – 15:55</b>	Power system needs/constraints and towards large scale HVDC grids in the EU context	Thomas Leibfried <i>KIT</i>
<b>15:55 – 16:40</b>	Components: power electronic devices for power systems, choppers/DBS, DCCBs, cables/OHLs, MOVs, and other key components	Ilka Jahn <i>KTH</i>
<b>16:40 – 17:25</b>	Session on open science	Antonello Monti <i>RWTH ACS</i>



<b>17:25 – 17:30</b>	Recap of day 1 + administrative issues if applicable	Antonello Monti <i>RWTH ACS</i>
<b>17:30</b>	End of day 1	

## Day 2: Wednesday, 07.05.2025

<b>Start</b>	<b>Topic</b>	<b>Responsibility</b>
<b>8:30 – 9:00</b>	Arrival and registration	<i>RWTH EUPM</i>
<b>9:00 – 9:05</b>	Welcome and introduction	Antonello Monti <i>RWTH ACS</i>
<b>9:05 – 9:10</b>	Introduction to power electronics for renewable energy integration (TM 1)	Geraint Chaffey <i>KUL</i>
<b>9:10 – 9:55</b>	Introduction to HVDC converters and converter control	Eduardo Prieto Araujo <i>UPC</i>
<b>9:55 – 10:40</b>	HVDC grid protection	Geraint Chaffey <i>KUL</i>
<b>10:40 – 10:55</b>	Coffee break	<i>RWTH EUPM</i>
<b>10:55 – 11:40</b>	Introduction to offshore wind integration	Eduardo Prieto Araujo <i>UPC</i>
<b>11:40 – 12:25</b>	HVDC grid operation and control	Alexander Bisseling <i>KIT</i>
<b>12:25 – 13:25</b>	Lunch break	<i>RWTH EUPM</i>
<b>13:25 – 14:10</b>	Multivendor: towards multivendor HVDC systems – needs, ongoing work, challenges	Ilka Jahn <i>KTH</i>
<b>14:10 – 14:55</b>	Functional modelling and testing: state of the art and future needs	Melanie Hoffmann <i>TUBS</i>
<b>14:55 – 15:10</b>	Coffee break	<i>RWTH EUPM</i>
<b>15:10 – 15:25</b>	Summary of TM1, final Q&A	Geraint Chaffey <i>KUL</i>
<b>15:25 – 16:10</b>	Session on diversity	Azadeh Kermansaravi <i>TU DELFT</i>
<b>16:10 – 16:20</b>	Recap of day 2 + administrative issues if applicable	Bettina Schäfer <i>RWTH ACS</i>
<b>16:20 – 16:50</b>	Doctoral Candidates: Election to the Supervisory Board	Bettina Schäfer <i>RWTH ACS</i>  <i>RWTH EUPM</i>
<b>16:50</b>	End of day 2	



**Day 3: Thursday, 08.05.2025**

Start	Topic	Responsibility
8:30 – 9:00	Arrival and registration	<i>RWTH EUPM</i>
9:00 – 9:10	Welcome and introduction	Bettina Schäfer <i>RWTH ACS</i>
9:10 – 9:40	Ice Breaker: Speed Date	Bettina Schäfer <i>RWTH ACS</i>
9:40 – 9:45	Overview of the work packages and discussion	Bettina Schäfer <i>RWTH ACS</i>
9:45 – 10:15	Overview WP3: Engineering components for swift interoperability <i>10 min presentation + 20 min discussion</i>	Ilka Jahn <i>KTH</i>
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>
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>
11:15 – 11:30	Coffee break	<i>RWTH EUPM</i>
11:30 – 12:15	Session on industry expectations	Sébastien Lepy, Geethu Joseph <i>CRESYM</i>
12:15 – 13:00	Session on communication and dissemination	Sébastien Lepy, Geethu Joseph <i>CRESYM</i>
13:00 – 14:00	Lunch break	<i>RWTH EUPM</i>
14:00 – 14:05	Introduction to (open-source) software as aspects of resilient power grids (TM 2)	Antonello Monti <i>RWTH ACS</i>
14:05 – 14:50	Reproducible and Open-Source Software Practices	Azadeh Kermansaravi <i>TU DELFT</i>
14:50 – 15:35	CRESYM – opensource research for the energy sector	Sébastien Lepy <i>CRESYM</i>
15:35 – 15:50	Coffee break	<i>RWTH EUPM</i>
15:50 – 16:35	Harmony	Azadeh Kermansaravi <i>TU DELFT</i>
16:35 – 17:20	DPSim	Georgii Tishenin <i>RWTH ACS</i>



<b>17:20 – 17:30</b>	Recap of day 3 + administrative issues if applicable	Antonello Monti <i>RWTH ACS</i>
<b>17:30</b>	End of day 3	

#### Day 4: Friday, 09.05.2025

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

