

## Programme

### Tuesday 7 September

19h00 Welcome Dinner (Arnhem, sponsored by TenneT)

### Wednesday 8 September

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8h30	Registration and Coffee
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9h00	Welcome ( <b>Ben Voorhorst, COO TenneT</b> )
9h15	Opening address ( <b>Antonella Battaglini, Elected Executive Director RGI</b> )
9h30	Grid planning beyond sub-regional and national borders ( <b>Dr Mihai Paun, ENTSO-E</b> )
09h45	Super grids and smart grids, system flexibility ( <b>Prof. Tim Green, Imperial College London</b> )
10h00	Response & Discussion ( <b>Christophe Schramm, European Commission</b> )

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10h30	Coffee break
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11h00	Technical developments to be used in HV network State of art technology and innovation: - AC vs. DC – when is AC not sufficient and when is DC not reasonable? - Overheads line vs. cables– when are cables necessary or needed and when are they not reasonable? ( <b>Alan Croes, TenneT</b> )
11h20	Advantages and disadvantages of lines and cables in terms of costs, operation, reliability and lifetime (photo show of different technologies) ( <b>Bo Westmann, ABB</b> )
11h35	Response & Discussion ( <b>David Porter, KEMA</b> )
12h00	'Learning from each other': Grid planning show case NL - Learning from Dutch approach (National Zoning Scheme) - Project planning, licensing and spatial planning procedure from national level to local output ( <b>Hanneke Brouwer, Dutch Ministry of Economic Affairs</b> )
12h20	Response & Discussion ( <b>Dr Peter Ahmels, Deutsche Umwelthilfe</b> )

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13h00	Lunch break
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14h30	Project reality I: the Netherlands: 20 km AC-cabling 380 kV in the Randstad area study and monitoring ( <b>Dr Marjan Popov, University of Delft</b> )
14h50	Project reality II: Germany: Underground cables and environmental impacts (a.o. Thuringia-line and Wahle-Mecklar-line debate) ( <b>Dr Wilfried Fischer, 50Hertz Transmission GmbH and Jens Siegmann, Transpower</b> )
15h30	What do we learn: Best practices and guidelines (open discussion)

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16h00	Wrap up and Reception
17h00	End

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