

EnC SoS Coordination Group – 8th meeting GAS Sub Group

**Proposal for disruption scenarios as discussed with
the Gas Coordination Group during the meeting 22nd
March 2017**

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Background



> Extract of Article 6 (revision from 1 February 2017)

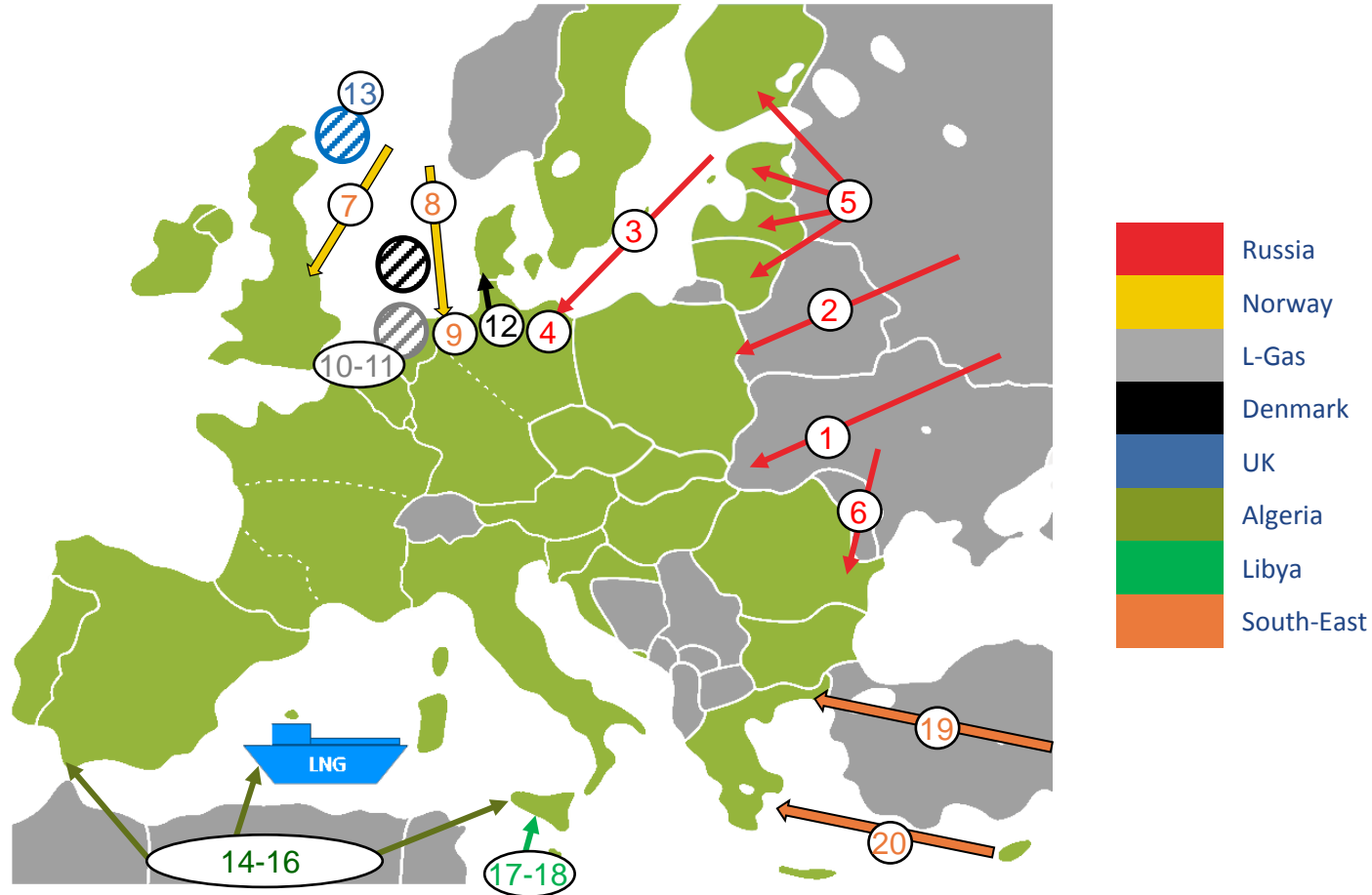
By 1 November 2017 ENTSO for Gas shall carry out a Union wide simulation of [...] disruption scenarios. [...] The scenarios and the methodology shall be defined by ENTSO for Gas in cooperation with the Gas Coordination Group.

- > Risk groups stated in the Annex 1 are the basis for the scenarios.
- > Scenarios need to be defined now by ENTSOG and GCG, for the EU wide simulation to be issued by 1 November 2017.



Overview of the scenarios

> Supply and infrastructure disruptions scenarios



> Based on the existing infrastructure



General assumptions



1. Disruption duration

- 2 months for offshore infrastructures
- 2 weeks for onshore infrastructures
- to be defined for other disruptions



2. Gas demand assumptions

- Highest winter demand since 2009/2010
- Highest winter demand + 2-week cold spell in 20 years
- Highest winter demand + Peak-Day in 20 years

Risk Groups from Annex I

> Eastern gas supply risk groups

> Ukraine



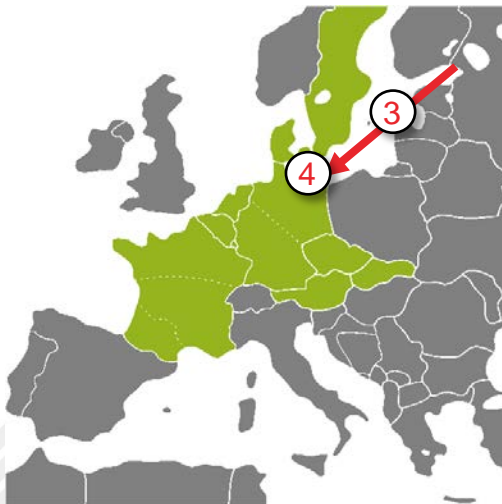
> Belarus



> North-Eastern



> Baltic Sea



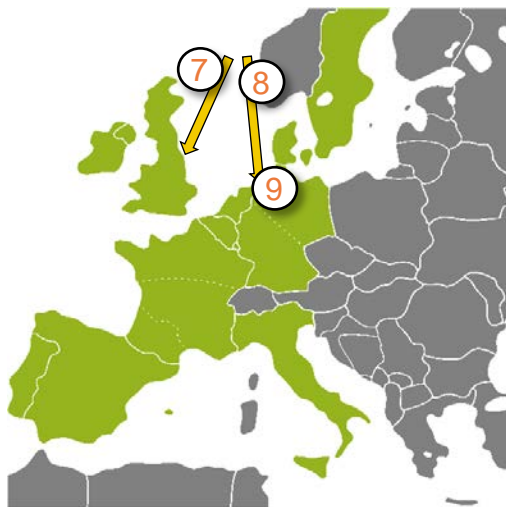
> Trans-Balkan



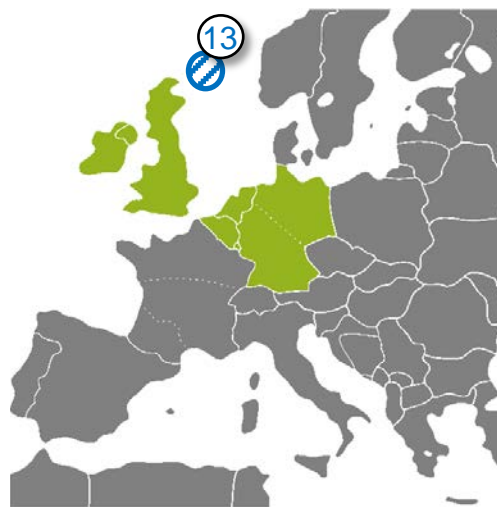
Risk Groups from Annex I

> North Sea gas supply risk groups

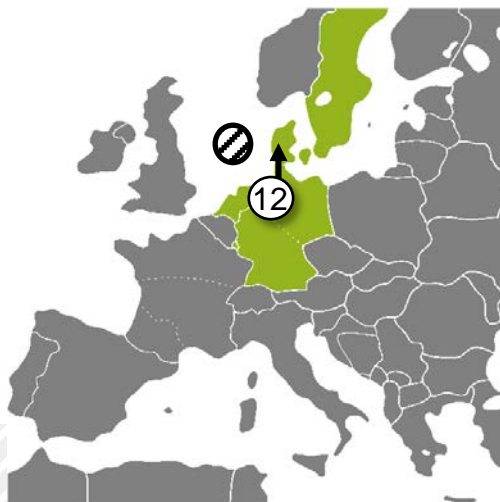
> Norway



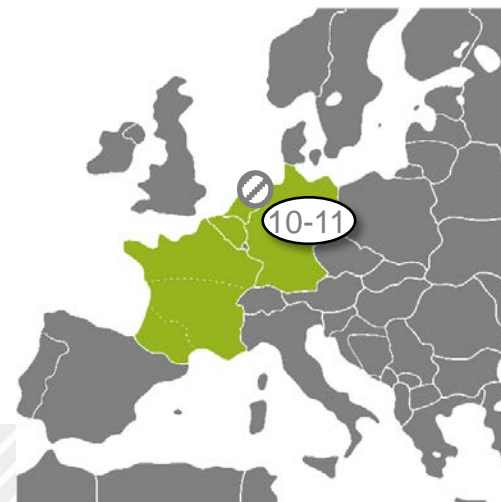
> UK



> Denmark



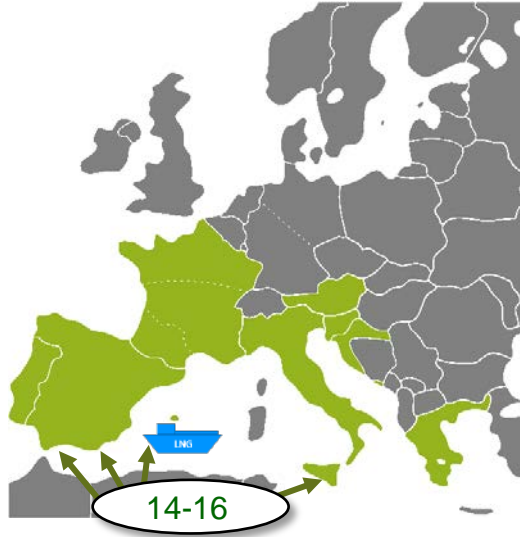
> Low calorific gas



Risk Groups from Annex I

> North-African gas supply risk groups

> Algeria



> Libya





Summary of simulation scenarios



Scenarios for supply and infrastructure disruptions			The highest winter demand since 2009/2010		
			Duration of disruption (non-defined reasons) - to be defined by GCG	2 months (January-February) disruption (offshore facilities)	2 weeks (15 - 28 February) disruption (onshore facilities)
Risk Group	#	Infrastructure / pipelines disrupted			
Ukraine	1	Disruption of all imports to EU via Ukraine	X		
Belarus	2	Disruption of all imports to EU via Belarus	X		
Baltic-sea	3	Disruption of one offshore pipeline of Nord Stream		X	
	4	Disruption of the onshore infrastructure of Nord Stream (Greifswald)			X
North-Eastern	5	Disruption of all imports to the Baltic states and Finland	X		
Trans-Balkan	6	Disruption of the largest infrastructure to the Balkan region (RO – BG – GR)			X
Norway	7	Disruption of the largest offshore infrastructure to the UK		X	
	8	Disruption of the largest onshore infrastructure from Norway (Emden station)			X
	9	Disruption of the largest offshore infrastructure to continental EU		X	
L-gas	10	Interruption of UGS Norg			X (1 week disruption)
	11	Disruption of Groningen production	X		
Denmark	12	No production as of 2018 + disruption of the largest infrastructure to Denmark (Eilund)			X
UK	13	Disruption of the largest offshore production infrastructure		X	
Algeria	14	Disruption of the largest offshore infrastructure to Italy		X	
	15	Disruption of the largest offshore infrastructure to Spain		X	
	16	Disruption of all imports from Algeria, including LNG	X		
Libya	17	Disruption of the largest offshore infrastructure to Italy		X	
	18	Disruption of all imports from Libya	X		
Southern Gas Corridor	19		No existing infrastructure		
Eastern-Mediterranean	20				

22 March, GCG meeting. Highlights 1

GCG members were asked to comment the following questions

> **Till 3rd April 2017**

- **Gas demand assumptions (ENTSOG's proposals)**

> **Till 18th April 2017**

- **LNG disruption. How to consider?**
- **Combination of several routes disruption**
- **Political driven disruption periods (1 m, 2m, 6m?)**
- **Limitation of supply**
- **Other relevant comments**

22 March, GCG meeting. Highlights 2

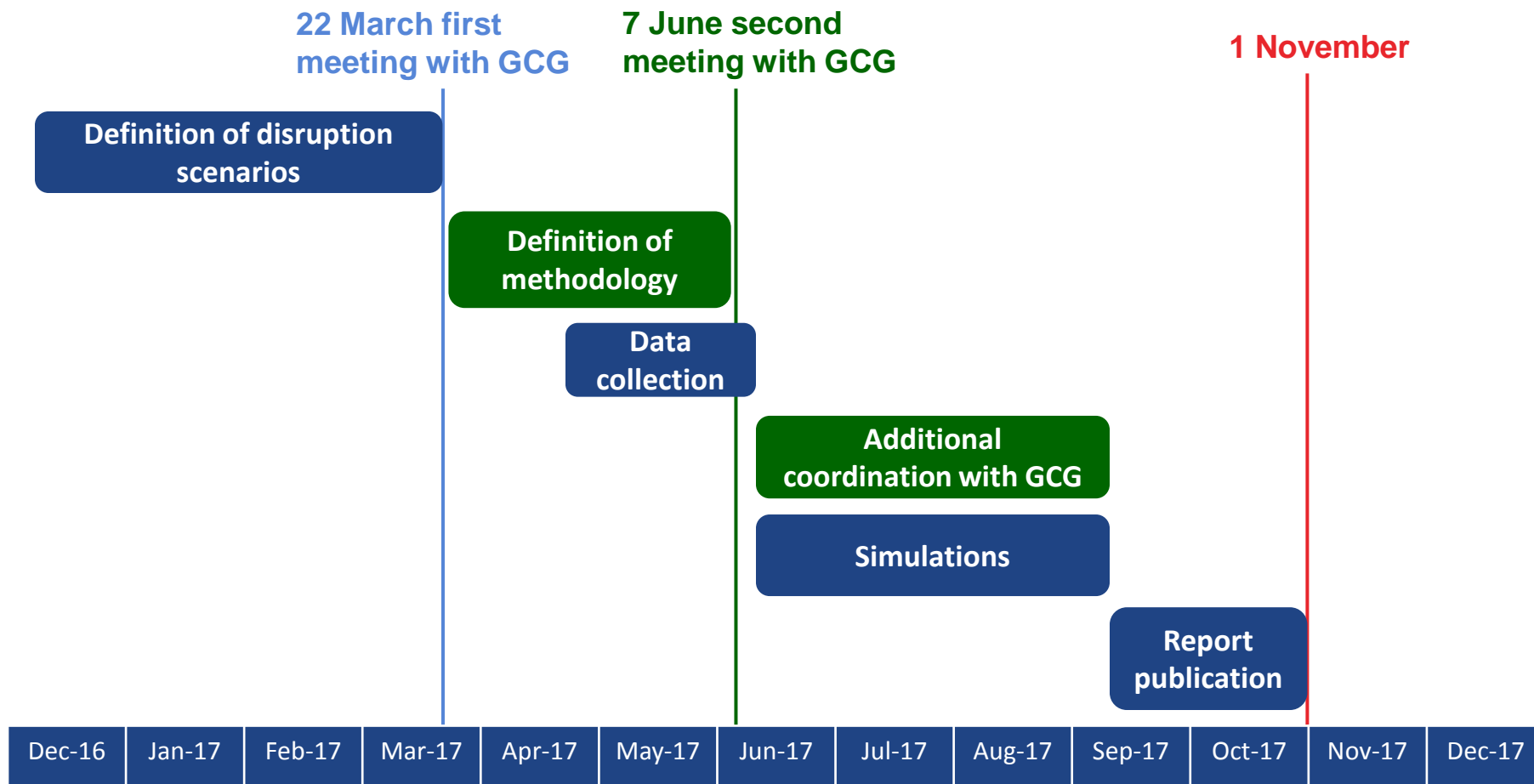
- > EC recommends to GCG
 - to have standard durations for the disruptions
 - not to consider too extreme scenarios (low likelihood)
- > Other proposals to GCG
 - Propose other risk group-specific scenarios
 - Consider not necessarily full disruptions, but also limitation for a long period

Comments expected by mid-April



Next steps

> Methodology will be presented on 7 June





Energy Community Contracting Parties

Article 15



Cooperation with the Energy Community Contracting Parties

- 1. Where the Member States and the Energy Community Contracting Parties cooperate in the process of the establishment of risk assessments and preventive action and emergency plans, such cooperation may include, in particular, identifying the interaction and correlation of risks and consultations with a view to ensuring consistency of preventive action and emergency plans across the border.**
- 2. In this respect, Energy Community Contracting Parties may participate in the Gas Coordination Group upon invitation by the Commission on all matters of mutual concern.**



Thank You for Your Attention

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