

Ensuring supply for protected customers – role and actions of EU DSOs

Security of Supply Coordination group

Ljubljana, 22 September 2016

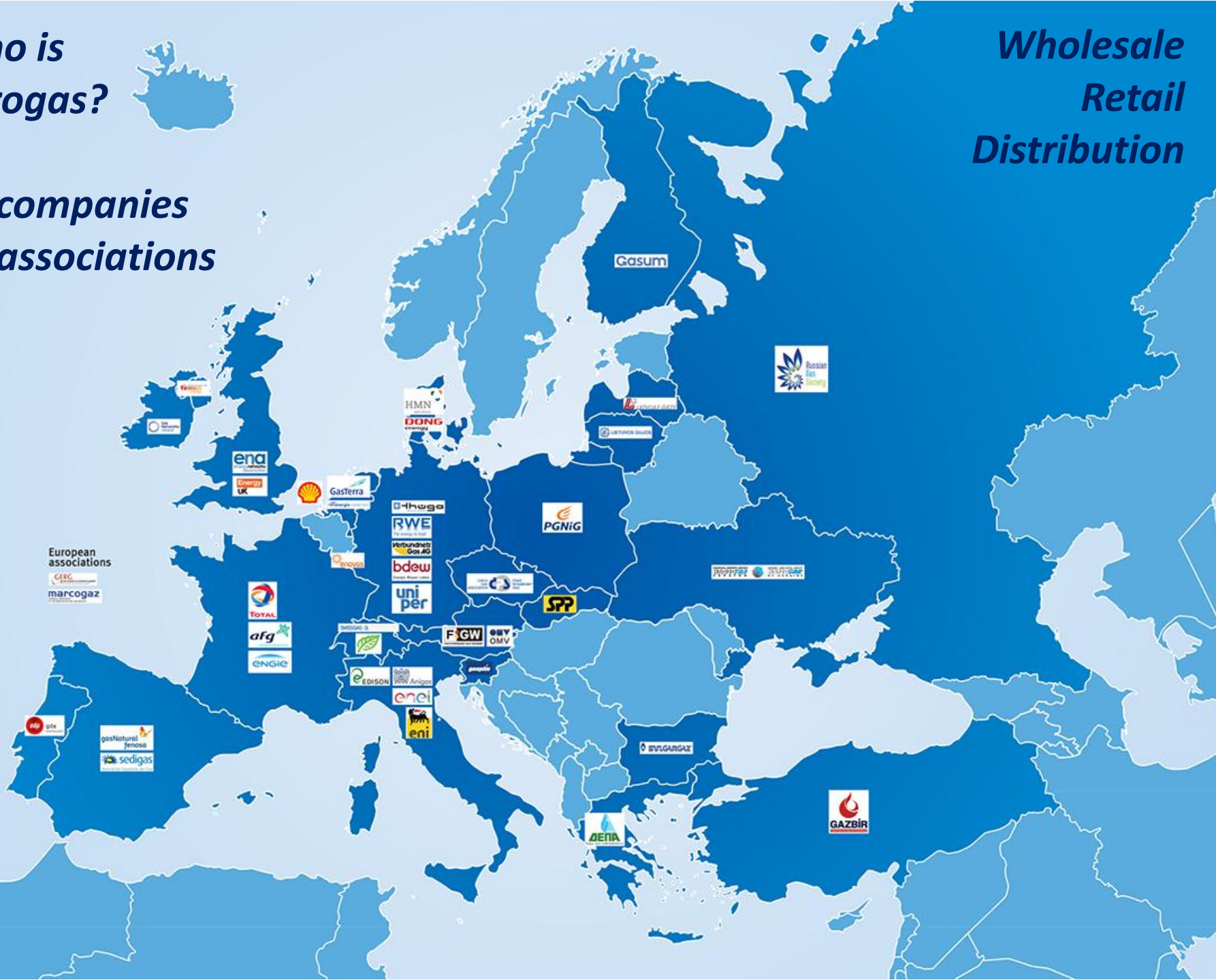
Joost Gottmer

Vice Chair, Distribution System Operators Committee

Who is Eurogas?

29 companies
14 associations

Wholesale
Retail
Distribution



Eurogas DIST

- Represent Gas DSOs across the EU
- A diverse range of companies and associations

EU gas DSOs

- 2 million kilometres of gas pipelines
- Over 1,250 DSOs
- 110 million customers

DSOs role in security of supply

- DSOs have little direct involvement in securing the supplies of gas, but in the event of a disruption will be on the front-line as nearly all customers are connected at this level

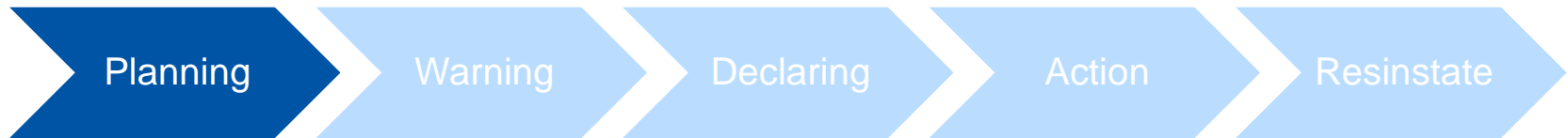


DSOs role in security of supply

- Interruptions in gas supply tend to be rare compared to electricity (CML is measured in seconds not in minutes)
- The key issue from a DSO perspective would be how to manage the interruption process in the event of an emergency and how to reinstate
 - Most gas used for heating appliances - also need electricity to run and therefore maintaining electricity supplies is equally as important as gas
- There are several steps to be considered

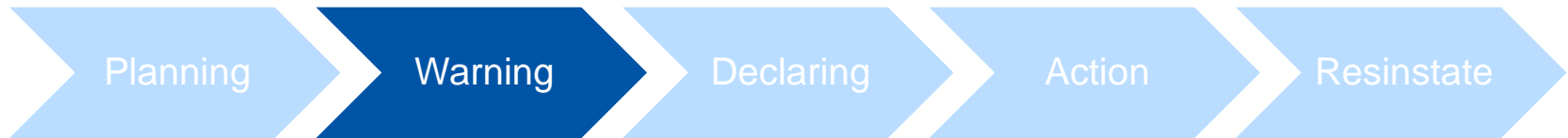


Emergency Management



- Meet EU and national rules
- Robust grid design (N-1/70%)
- Plans (crisis plans, communications plans, organisation, etc)
- Knowledge building of entire organisation (staff, engineers, PA)
- Update regularly

Emergency Management



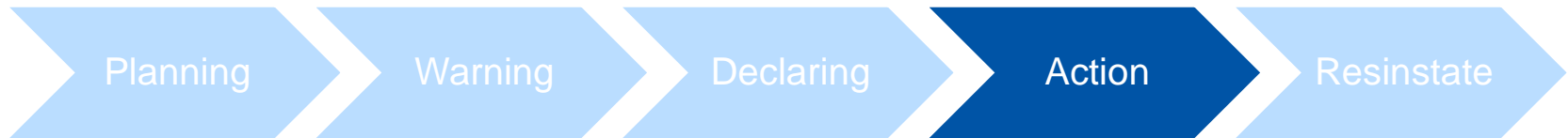
- Planned or unplanned interruption
- Local or wide spread
- Weather conditions (Netherlands: -16)
- Proper authorities (municipality, province, law enforcement)
- Planning with TSOs
- Communication with customers
- Preventive measures

Emergency Management



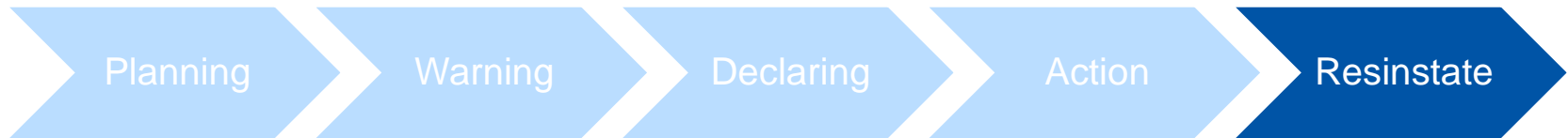
- Depending on location, impact
- Responsibility is shifted to TSO/proper authorities
- DSO thus becoming a service and knowledge provider

Emergency Management



- Communicating to customers
- Treatment of different customers
- Focus on residential customers
- Technical measures (re-route)

Emergency Management



- Most difficult and challenging!
- House-by-house reinstatement of gas supply
- What if : people are not at home? old and unreliable equipment? who's responsible?
- Learn lessons and improve

Conclusions

- DSOs can take limited preventive measures to avoid a disruption or limit it's impact
- Grid design does a lot if disruptions are local
- In case of a disruption: Plans, plans, plans
- Reinstatement after a disruption is the most challenging and most time consuming phase (will take weeks)

Thank you for your attention!

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