



AGGM Austrian Gas Grid Management AG

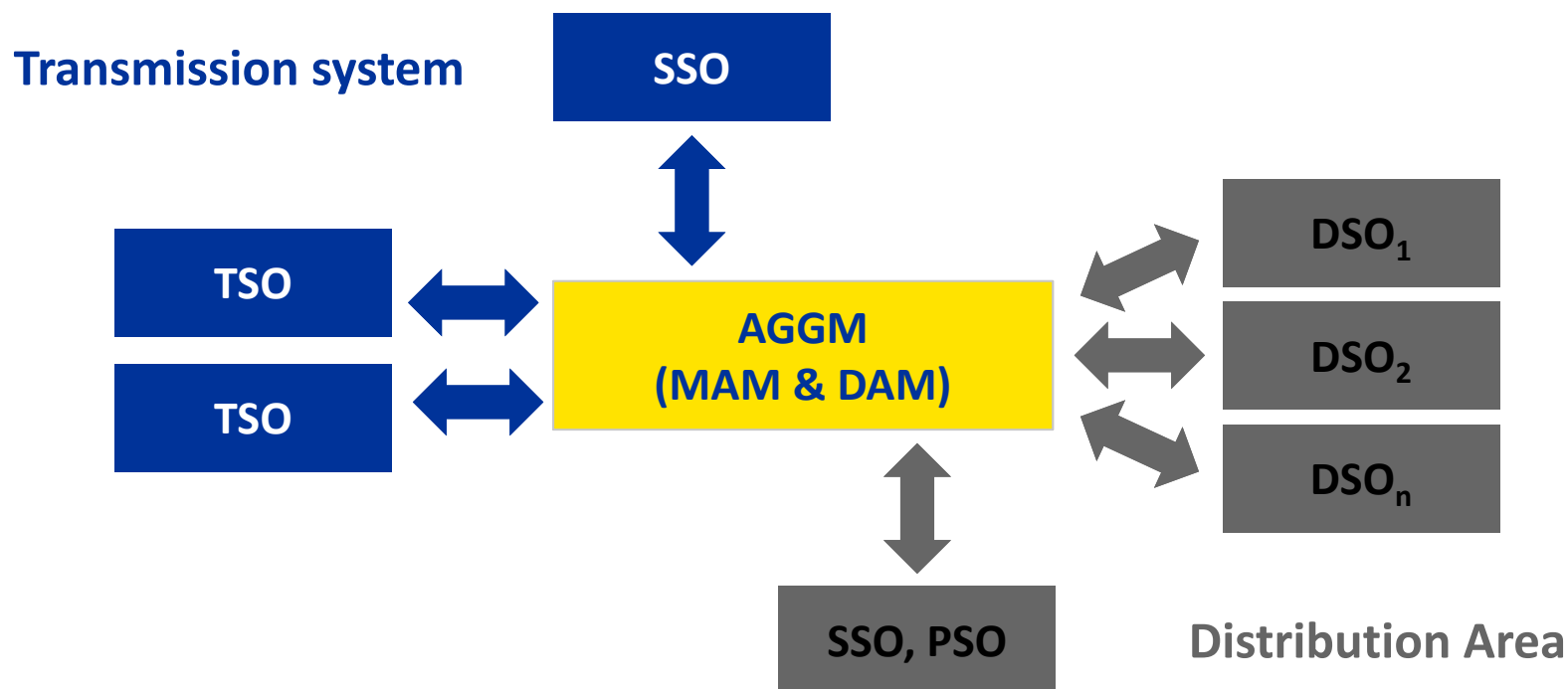
Maintenance Information Meeting 2019/2020

28th November 2019

- ▶ **Principles of Maintenance Coordination**
- ▶ Review Maintenance Coordination 2019
- ▶ Current Status Maintenance Coordination 2020
- ▶ Publication

- ▶ *[MAM]* coordinate[s] maintenance of the transmission and distribution network [...] such that the impact on system users is kept as small as possible
Sec. 14. (1) 11. Natural Gas Act
- ▶ *[DAM]* coordinate[s] maintenance of the distribution pipeline systems listed in Annex 1 such that the impact on network users is kept as small as possible
Sec. 18. (1) 28. Natural Gas Act
- ▶ Regulation (EU) No. 1227/2011 (REMIT)
- ▶ ACER Manual of Procedures on [...] and inside information reporting

- ▶ Securing end consumer demand
- ▶ No unplanned restrictions of operation due to maintenance measures
- ▶ Prevention and/or minimization of capacity restrictions for balance groups
- ▶ Optimizing necessary operative restrictions
 - ▶ Simultaneous execution of maintenance activities, which do not add up operative implications
 - ▶ Dissolving maintenance activities, which otherwise would add up their operative implications
- ▶ Transparent publication and information of the market participants pursuant to the REMIT provisions



- ▶ Annual planning for following year by November – Publication of „Integrated Annual Maintenance Plan“ (IAMP) by AGGM
- ▶ Planning/updates during the year:
 - ▶ Including new/updated projects and measures – Update of IAMP
 - ▶ Ongoing tracking of execution and completion of the maintenance activities

- ▶ **Transmission System**
 - ▶ 1st August AGGM sends questionnaires to TSOs & SSOs
 - ▶ 5th September Questionnaires return to AGGM
 - ▶ 20th September 1st Integrated Annual Maintenance Plan (IAMP) draft to TSOs & SSOs
 - ▶ 1st week in October Coordination meeting with TSOs & SSOs
 - ▶ 15th October 2nd IAMP draft to TSOs & SSOs
 - ▶ 15th November Publication of maintenance activities of the following year by TSOs
- ▶ **Distribution System**
 - ▶ 1st September AGGM sends questionnaires to DSOs & SSOs
 - ▶ 30th September Questionnaires return to AGGM
 - ▶ October: (bilateral) coordination meetings with DSOs & SSOs (if necessary)
- ▶ **November** AGGM Publication of one single IAMP
- ▶ **28th November 2019** Maintenance Information Meeting
- ▶ **During calendar year** Regular IAMP adaptations minimum 4 weeks (distribution) or 42 days (transmission) in advance

- ▶ Asset owners are obliged to publish insider information concerning planned maintenance activities via REMIT and ACER compliant publications
 - ▶ TSOs in Austria publish planned capacity reductions via ENTSOG Transparency Platform and on their website
 - ▶ SSOs and PSO in Austria publish planned capacity reductions via individual platforms and on their website
 - ▶ TSOs, SSOs and PSOs in Austria publish UMMs via individual platforms – within OMV convergence on CEGH REMIT platform

- ▶ AGGM publishes
 - ▶ the IAMP on its website*
 - ▶ UMMs via the CEGH REMIT platform**

* <https://www.aggm.at/en/network-information/maintenance-coordination>

** <https://www.gashub.at/remit>

- ▶ Principles of Maintenance Coordination
- ▶ **Review Maintenance Coordination 2019**
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- ▶ In 2019 up to now 37 maintenance activities of TSOs leading to capacity restrictions at relevant entry/exit points (publication by TSOs and in IAMP of AGGM)
- ▶ Trans Austria Gasleitung (TAG) – 23 activities
 - ▶ execution according to annual planning for 2019
 - ▶ some changes and new measures during the year
- ▶ Gas Connect Austria (GCA) – 14 activities
 - ▶ execution according to annual planning for 2019
 - ▶ additional changes and new measures during the year

- ▶ Up to now about 250 maintenance activities registered in 2019 affecting the distribution area – activities in all distribution systems!
- ▶ Several challenging maintenance projects 2019, but effective implications on market participants in practice could be kept low:
 - ▶ only 2 capacity restrictions at Entry/Exit Points of DA to be published by AGGM

- ▶ Highlights maintenance DA 2019 (excerpts):
 - ▶ Reconstruction pipeline Auersthal – Laa (subproject 3 of 3) → auxiliary transport via Laa to be organized
 - ▶ Several pipeline inspections / pig-runs demanding special operation modes and gas flow conditions in network level 1
 - ▶ Several ESD Tests and station works in transmission system implicating the DA
 - ▶ Exchange of valves, controllers and insulation spacers → pipeline interruptions and special operation modes in network level 1
 - ▶ Pipeline reallocation Vorarlberg → pipeline interruption for interconnection works → supply of downstream systems to be ensured and auxiliary transport from Switzerland
 - ▶ Auxiliary transport from Vorarlberg to Germany caused by a grid damage in the German gas grid

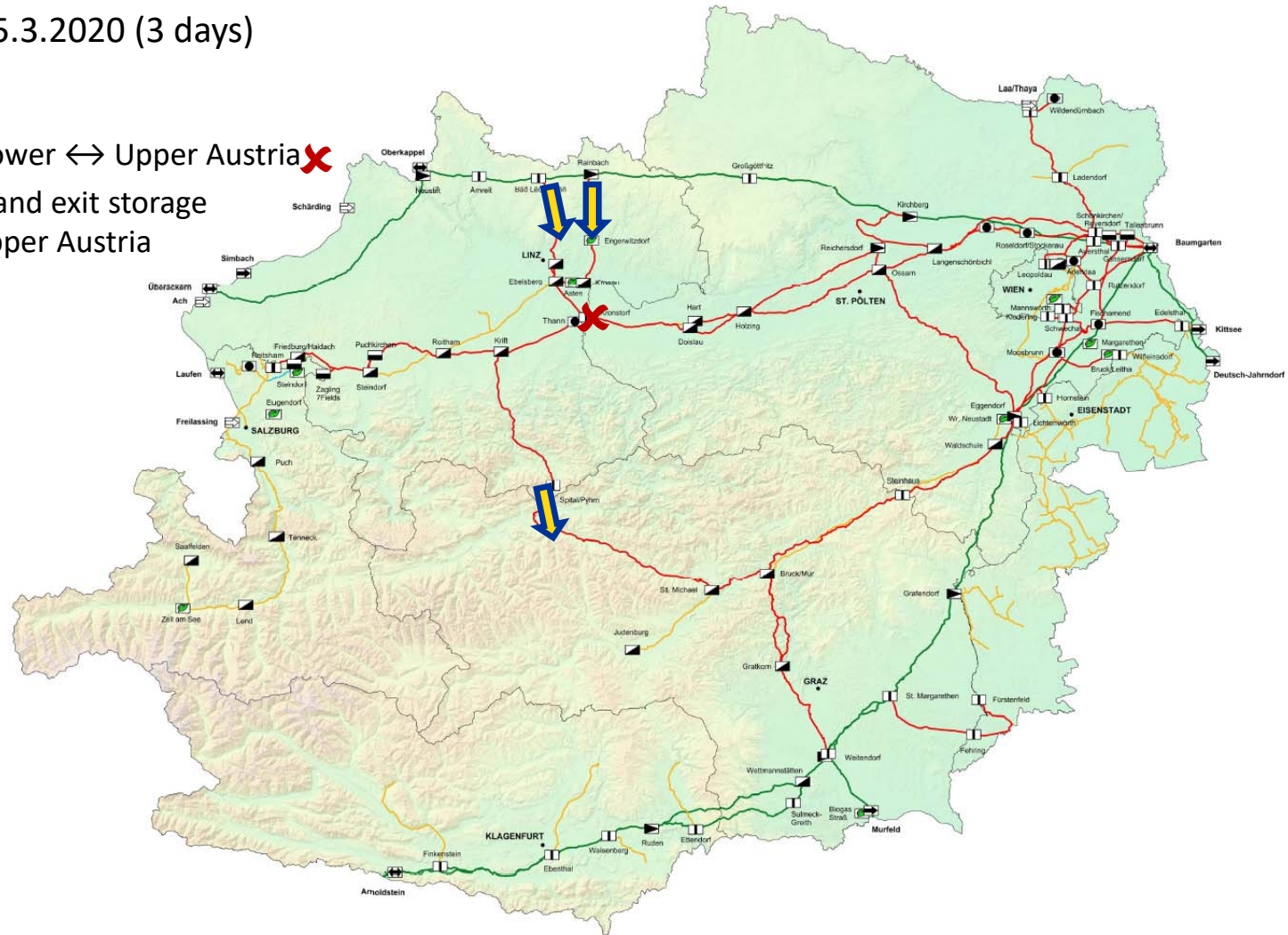
- ▶ Principles of Maintenance Coordination
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- ▶ Publication

- ▶ Publication of maintenance activities by TSOs and of IAMP 2020, version 1 by AGGM on 15th November 2019
- ▶ Trans Austria Gasleitung (TAG)
 - ▶ Several System Tests (few hours)
 - ▶ Station works in Eggendorf, Grafendorf and Weitendorf causing capacity restrictions of several days in June and July
- ▶ Gas Connect Austria (GCA)
 - ▶ Several System Tests (few hours)
 - ▶ Station Works in Baumgarten and Oberkappel causing capacity restrictions of several days in April, July and October.
 - ▶ Station Works in Rainbach (GCA.08) causing longer capacity restrictions of 25 days in July. This maintenance activity has an impact on the DA (next slide)
 - ▶ Consequences from TAG maintenance activities on the SOL pipeline (Murfeld)

- ▶ During annual planning 2020 more than 70 activities registered, but currently only three affecting capacities of storage interconnection in DA
 1. Station Maintenance in Kronstorf (23.-25.03.2020, 3 days) – interruption of interconnection between Lower and Upper Austria
 2. GCA.08: WAG compressor station Rainbach (6.-31.07.2020, 25 days) – potential impact on interruptible injection capacities of storage facilities in Upper Austria
 3. ESD Tests Baumgarten (08.09.2020, 8 hours)
- ▶ AGGM Evaluation of the consequences of maintenance activities 2020
 - ▶ Annual capacity booking of storage and production facilities not yet finished
 - ▶ Parameters of the standard capacities 2020 to be derived by AGGM
 - ▶ Current publication of IAMP for DA contains draft evaluation based on capacity data 2019
- ▶ Capacity relevant maintenance activities 2020 of the SSOs and PSOs in DA
 - ▶ Maintenance weeks of the RAG storage facilities in April and October 2020 (each about 1 week)
 - ▶ Maintenance of the OMV storage facilities in August 2020 (about 2 weeks)
 - ▶ Annual maintenance OMV Production Aderklaa (about 4 weeks in autumn 2020)

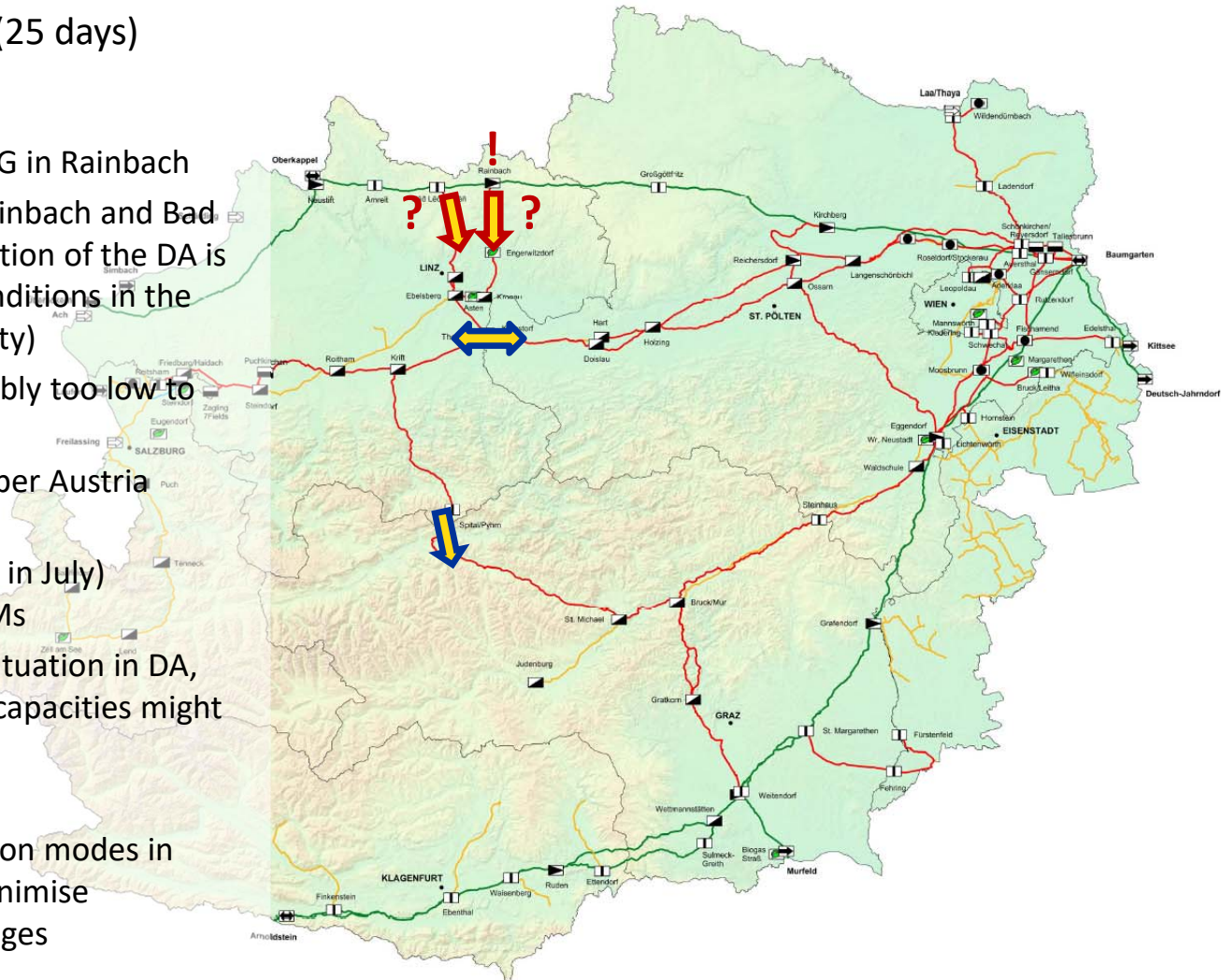
Annual maintenance Kronstorf

- ▶ Duration: 23.-25.3.2020 (3 days)
- ▶ Impacts:
 - ▶ Connection Lower ↔ Upper Austria ✘
 - ▶ limited entry and exit storage volumes in Upper Austria



GCA.08: Compressor station Rainbach

- ▶ Duration: 6.-31.7.2020 (25 days)
- ▶ Impacts on DA:
 - ▶ No compression at WAG in Rainbach
 - ▶ Delivery pressure in Rainbach and Bad Leonfelden in the direction of the DA is depending on flow conditions in the WAG (direction, quantity)
 - ▶ Delivery pressure possibly too low to enter the DA
 - ▶ storage injection in Upper Austria affected
 - ▶ DFP of SC (= booked SC in July) guaranteed → no UMMs
 - ▶ depending on overall situation in DA, interruptible injection capacities might be restricted
 - ▶ reference in IAMP
 - ▶ optimisation of operation modes in progress in order to minimise consequences for storages



- ▶ Principles of Maintenance Coordination
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- ▶ Integrated Annual Maintenance Plan (IAMP) on AGGM website:
<https://www.aggm.at/en/network-information/maintenance-coordination>
 - ▶ Page 1: Synopsis of capacity relevant maintenance activities of Austrian TSOs at relevant points
 - ▶ Page 2: Synopsis of capacity relevant maintenance activities of Austrian TSOs at non relevant points
 - ▶ Page 3: capacity restrictions at entry/exit points in DA caused by maintenance work as well as synopsis of capacity relevant maintenance activities of Austrian SSOs/PSOs
- ▶ Capacity restrictions at entry/exit points in DA caused by maintenance work are additionally published by means of versioned UMMs per entry/exit point on the CEGH REMIT platform
<https://www.gashub.at/remit>
- ▶ AGGM provides on its website links to maintenance publications of the relevant system operators in Austria and of the TSOs in neighbouring countries
<https://www.aggm.at/en/network-information/maintenance-coordination>
- ▶ E-mail address instandhaltung@aggm.at for maintenance communication with AGGM in operation

- ▶ CEGH REMIT platform (<https://www.gashub.at/remit>)
 - ▶ listed by ACER as “Inside Information Platform” → standards observed
 - ▶ Relaunch of platform accomplished → option to create templates and use wildcards in postings
 - ▶ Publication freely available (RSS feed and e-mail notifications)
 - ▶ Free registration service for individual inside information publications
- ▶ UMMs of AGGM via CEGH REMIT platform only
- ▶ AGGM Newsletter and AGGM Info will continue to be available on the [AGGM Platform](#)

- ▶ Publication of the amended IAMP including DA (based on draft evaluation of the capacity restrictions) on the AGGM website (28th November 2019)
- ▶ Confirmation of the announced maintenance activities in DA for 2020, including AGGM-ID, to the respective system operator by AGGM (Dec. 2019)
- ▶ Final evaluation of the capacity restrictions in DA as soon as the definitive capacity data for 2020 are available → amendment of the IAMP and publication of the respective UMMs by AGGM till mid of January 2020
- ▶ Enhancement of IAMP presentation planned

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Abbreviations

ACER	Agency for the Cooperation of Energy Regulators
ESD	Emergency Shut Down
DA	Distribution Area
DAM	Distribution Area Manager
DFP	dynamically firm part
DSO	Distribution System Operator
IAMP	Integrated Annual Maintenance Plan
MA	Market Area
MAM	Market Area Manager
PSO	Production System Operator
REMIT	Regulation on Wholesale Energy Market Integrity and Transparency
SC	standard capacity
SSO	Storage System Operator
TS	Transmission System
TSO	Transmission System Operator
UMM	Urgent Market Message
VTP	Virtual Trading Point