

14 - 15 June 2017 | Prague





Another tough year for storage operators, will it end soon?

Zbynek Pokorny, innogy Gas Storage

innogy

# Thank you for choosing ETCSEE over many other competing events in Prague!





#### But you can still make these...

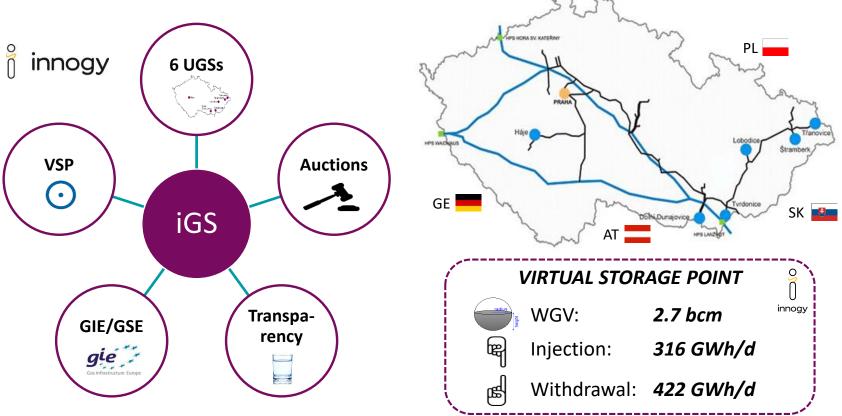


#### Festival of Microbreweries



Minibeer Festival

### Like many others, innogy Gas Storage operates on a fully open market



# iGS offers storage capacity electronically via its Auction System or Customer Portal

### **Online AUCTIONS**

- > Yearly contracts (firm)
  - Existing capacity
     1 to 5 years
  - Newly built capacity up to15 years
- > Monthly contracts (firm) 1 to 24 months



- On-line ascending clock auctions
- All conditions known ahead of the auction

#### **Online REQUESTS**

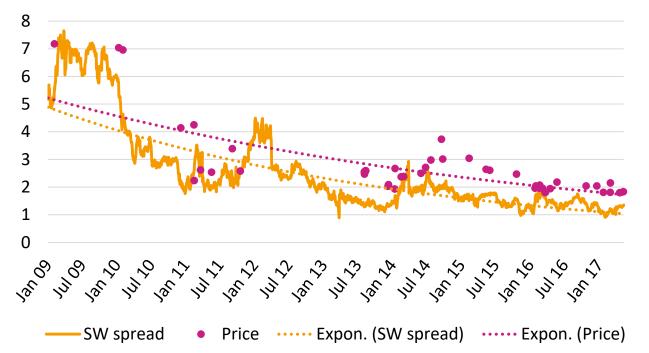
- > Daily contracts (firm) 1 to 90 days
- > Daily contracts (interruptible)
  1 day
- > Within-day contracts
   (firm)interruptible)



- On-line bidding platform with auction components
- Interruption probability decreases with higher bids
- + Management of contracts and reports

# Digest of iGS prices vs sum-win spread at the date of auction

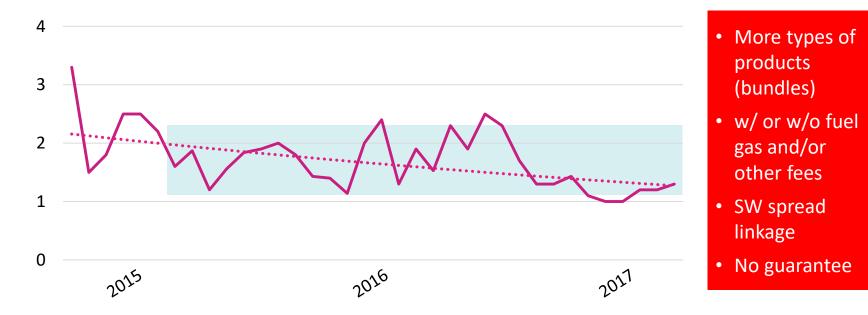
### iGS final auction prices (EUR/MWh)



- Selection of auctions
  - Similar storage products (firm bundles)
  - yearly
- Comparison of prices not so simple as shown here

### Storage prices in Europe at the level of S-W spread; genuine prices published rarely

Digest of storage prices in CEE and NWE (€/MWh)

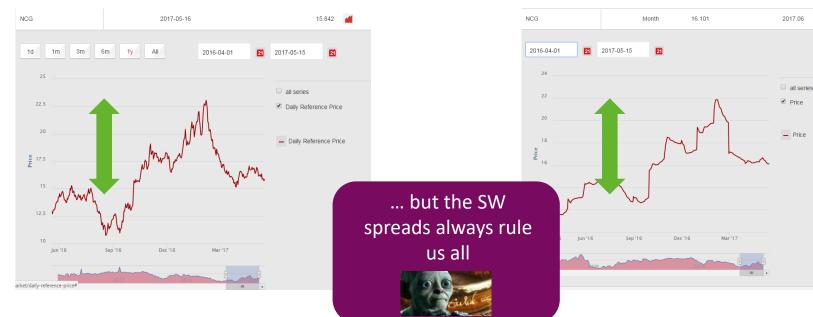


Source: Prices collected by innogy Gas Storage from different public sources

### We live in a "Kingdom of (SW) Spreads" Hey, there are other kingdoms out there!



i.



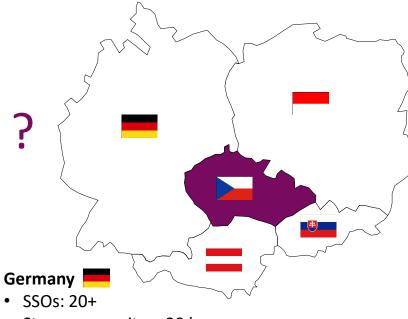
#### NCG: Daily reference price SPOT (€/MWh)

#### NCG: EGIX (€/MWh)

### Two very similar auctions and very different results...

Date	March 2017	March 2017
Capacity offered	100 GWh	100 GWh
Product	90 days	83 days
Starting price	2 EUR/MWh	2.04 EUR/MWh
Nr. of auction rounds	5	x
Final price	2.15 EUR/MWh	x
SW spread	1.22 EUR/MWh	1.29 EUR/MWh
Nr. of shippers	6 (3)	0

### CEE countries generally well equipped with storage capacity... Until when?



- Storage capacity: ~20 bcm
- Some storage sites already closed(!)
- \* At the moment connected to Slovakian distribution grid only Source: Gas Storage Europe, web pages of individual SSOs

Czech Republic 🝉

- innogy Gas Storage: 2,707 mcm
- MND Gas Storage: 280 mcm
- Moravia Gas Storage: 170 (450) mcm
- SPP Storage\*: 576 mcm

#### Slovakia 💾

- Nafta: 2,705 mcm
- Pozagas: 655 mcm

### Poland

- Gas Storage Poland: 2,985 mcm
- PGNiG: 250 mcm

### Austria

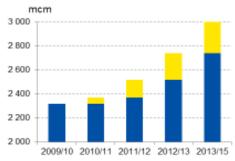
- OMV Gas Storage: 2,650 mcm
- RAG Energy Storage: 1,615 mcm
- astora: 985 mcm
- GSA (Gazprom): 1,840 mcm
- Uniper Energy Storage: 1,830 mcm

### Expansion plans in the drawers already covered with dust...

#### Back in 2011 (ETCEE)

### Current low demand for storage forces SSOs to revise their capacity development plans

Development of RGS's capacity (plan 2010)

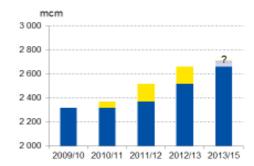


- > Some studies<sup>1</sup>) estimated that until 2030 Europe would require additional 50-70 bcm
- Many SSOs planed to invest in new capacities (apart from the allocation regime)
- payback is it possible under current environment?

> But: All investments must assure an adequate

Clingendael, IEA, Societe Generale Energy Trading CEE, Prague, 8-9 June 2011 Gas Storage in CSEE region

Development of RGS's capacity (plan 2011)

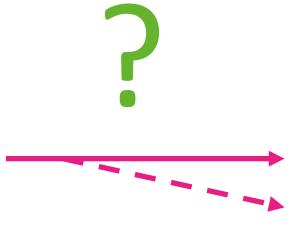


- > Today many SSOs revise their expansion plans due to the low interest
- > ...Sell before build" or even ...Do not build at all" principle
- > Short-term vs. long-term contracts

Zbynek Pakomy, RINE Gas Starage, s.r.a.

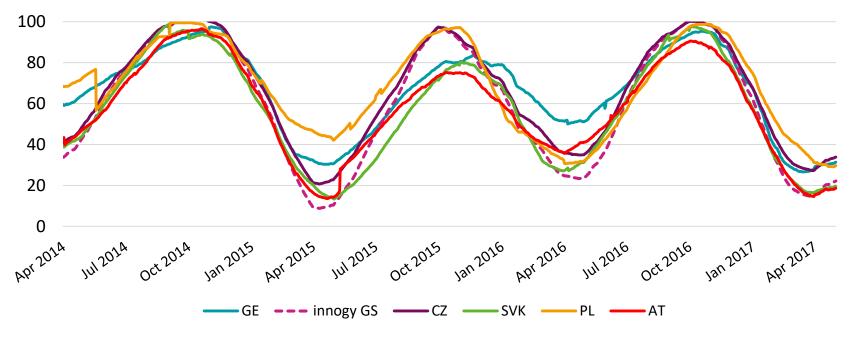
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#### Today



### Physical usage of individual storages among the countries/SSOs/UGSs varies

Filling levels of storages in individual countries (%)

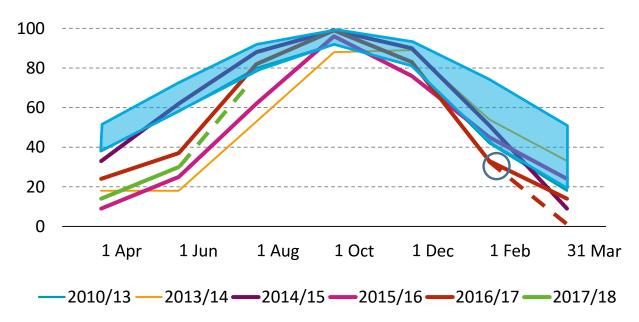


Source: Gas Storage Europe, AGSI+

Zbynek Pokorny, innogy Gas Storage, ETCSEE 2017 in Prague

This winter, iGS experienced heavy usage of its storages; gas stock level at the end of January 2017 at 34% (lowest ever)

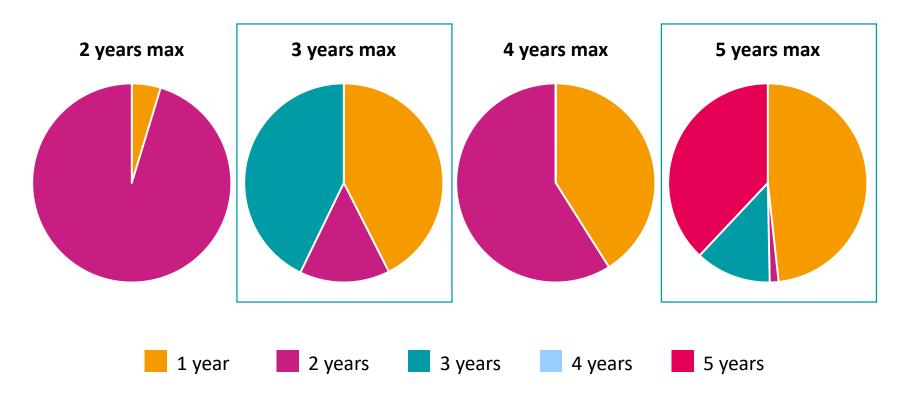
Filling level of iGS storages (%)



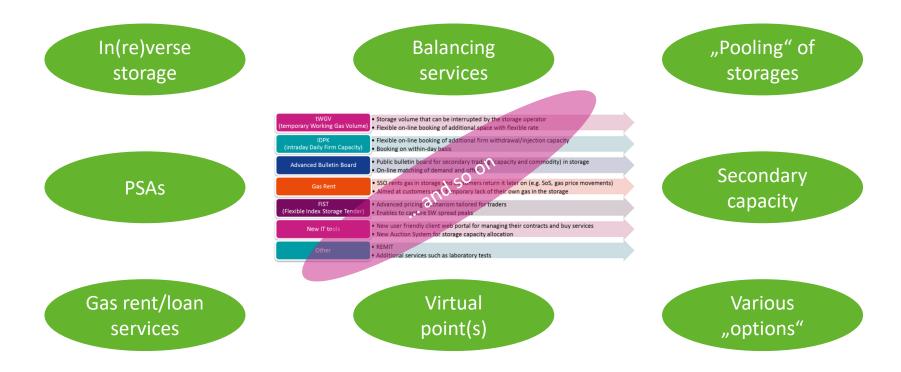
Massive withdrawals in 2016/17 winter together with customers' forecasts indicated iGS storage to be **practically depleted** at the end of March 2017

•

 In March, the situation changed dramatically When iGS capacity offered on long-term basis, shippers still ready to book for 3+ years



### SSOs try to support their main product with additional services but...



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### Backup

## Advanced virtualization of the Czech virtual storage point – under discussion



