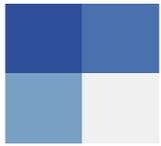




GSE Transparency Initiatives

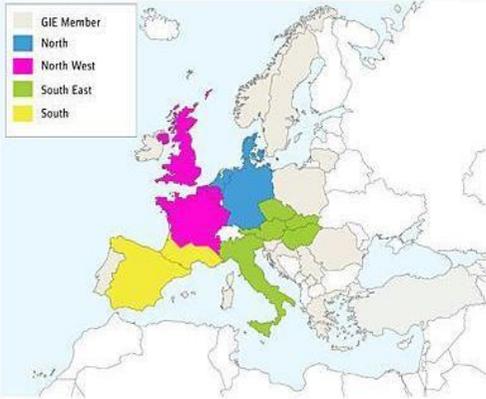
Madrid Forum XIII
16/17 October 2007



Aggregated gas storage inventory

gse  **AGGREGATED GAS STORAGE INVENTORY**
Publication of Weekly Storage Inventory Grouped by Regional Initiative Area

WEEKLY DATA HISTORICAL DATA INDIVIDUAL DATA clouds



GIE is pleased that its members have agreed on a voluntary basis to publish storage inventory as **per Regional Energy Market project areas**. This initiative is beyond that required by the GGPSSO and Gas Directive and will help provide the information the market needs to operate efficiently and effectively whilst **protecting commercially sensitive information**.

This information is provided in an aggregated format to guarantee that commercially sensitive information is not disclosed. GIE are therefore unable to further comment on any specific member, country or area.

For non-data related information, please contact the GIE Secretariat at gie@gie.eu.com.

| Regional Initiative Area | Stocklevel status on Monday 10/09/2007 - 5:59am GMT+1 | | | | |
|--------------------------|---|--------------------------------------|---------------------------------|--------------------------------------|----------------------------|
| | PREVIOUS WEEK | | CURRENT WEEK | | |
| | Stock Level Mon 03/09 - 5:59 | Accuracy Level % Mon 03/09 - 5:59 | Stock Level Mon 10/09 - 5:59 | Accuracy Level % Mon 10/09 - 5:59 | % Full Mon 10/09 - 5:59 |
| North - West Europe | 11493 mcm | 100% | 11618 mcm | 95% | 90% |
| North Europe | 13376 mcm | 39% | 14034 mcm | 72% | 89% |
| South East Europe | 17876 mcm | 100% | 18129 mcm | 100% | 74% |
| South Europe | 4851 mcm | 58% | 5082 mcm | 100% | 90% |

Legend

- > **Previous Week**
Previous Storage Inventory values, aggregated by Regional Initiative Area, in mcm.
An overview of all available data up till now (history) is available [here](#).
- > **Current Week**
Weekly Storage Inventory values, aggregated by Regional Initiative Area, in mcm.
The new values are posted every week on Thursday at 12:00 GMT+1 (unless otherwise stated)

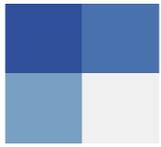
GIE members agreed on a voluntary basis to publish storage data

The initiative goes beyond the requirements by the GGPSSO and Gas Directive

Provision of information which the market needs to operate efficiently and effectively

Protection of commercially sensitive information

aggregated form to guarantee that commercially sensitive information is not disclosed



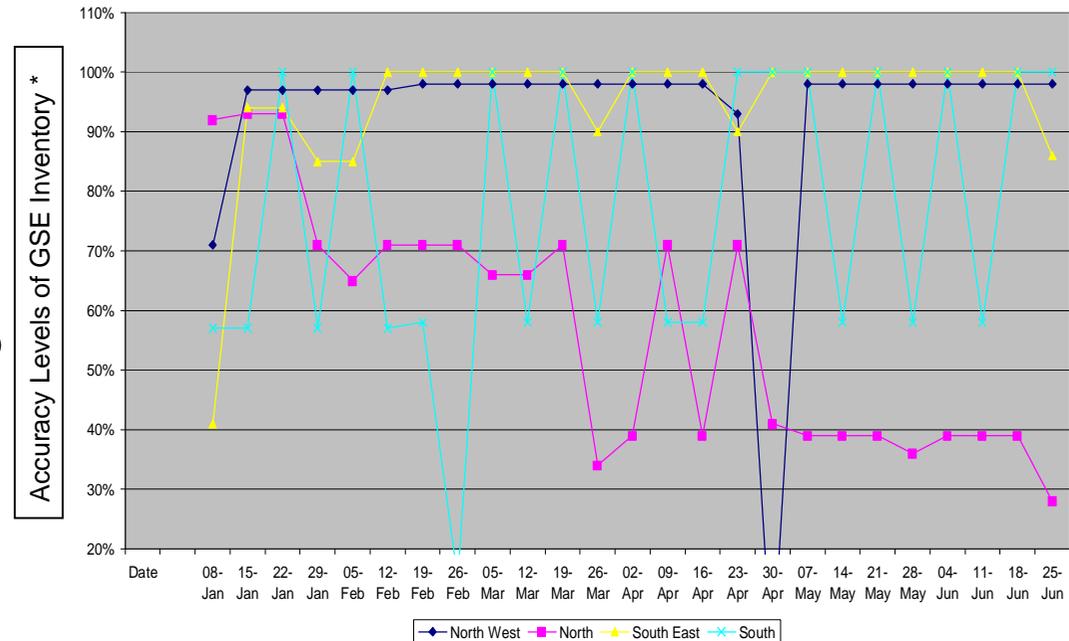
Aggregated Gas Storage Inventory: Current Issues

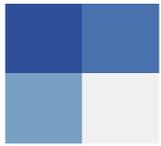
- § Accuracy levels for North Region have gone down especially during holiday season
- § Image problem for GSE initiative and SSOs



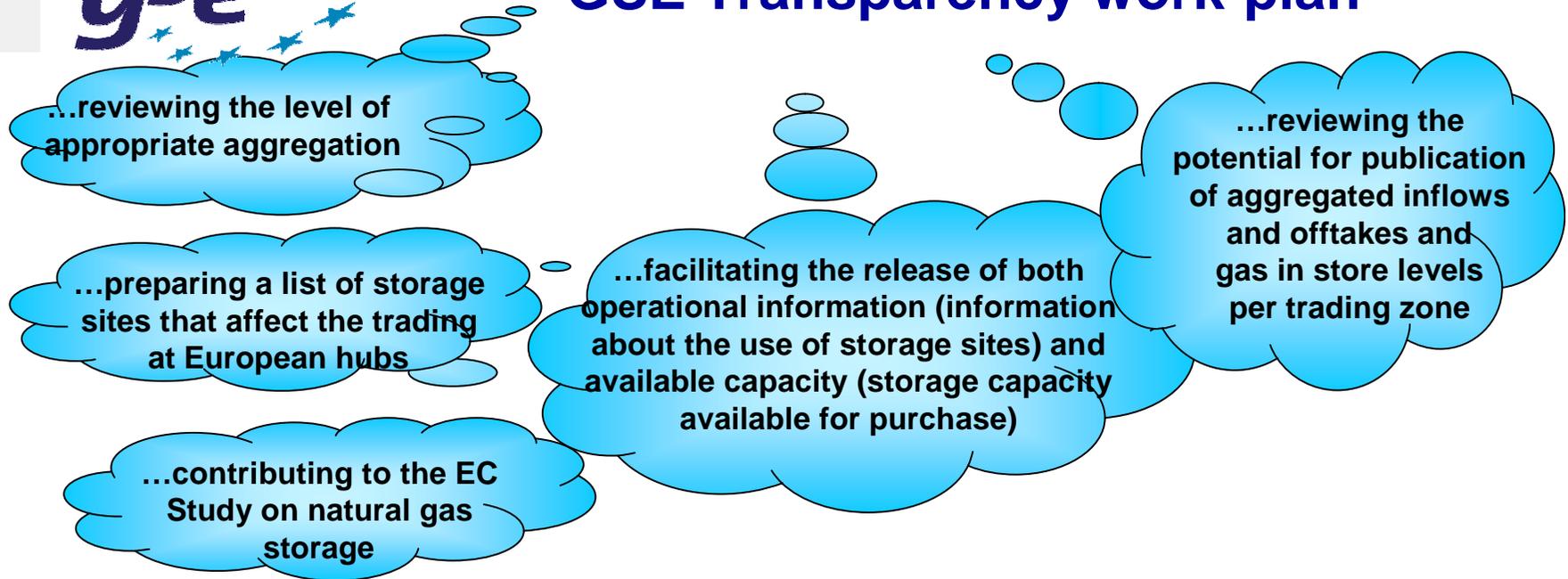
* Source: GSE

Accuracy Levels of GSE Inventory

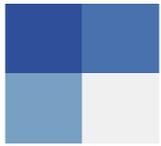




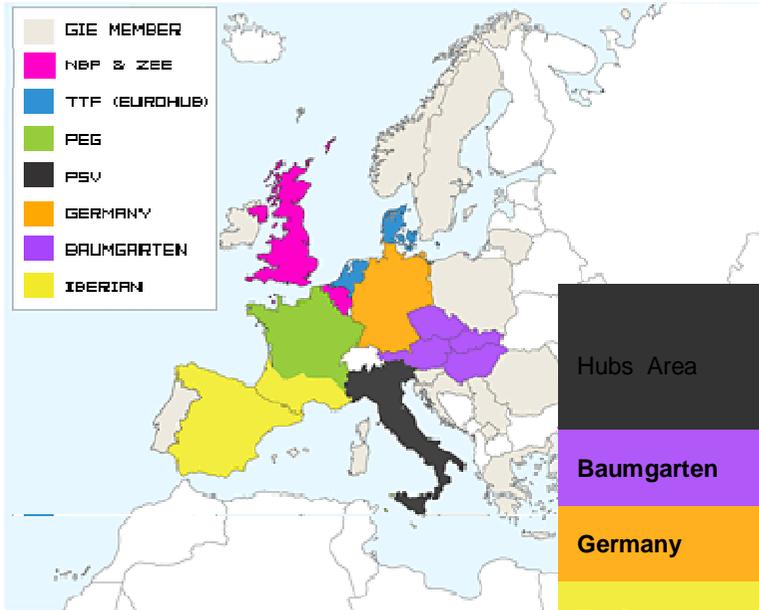
GSE Transparency work-plan



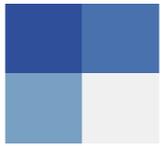
| Project | Delivery Date |
|--|-------------------------------|
| Aggregated Storage Inventory by Traded Hub | 1 st October 2007 |
| Available Storage Capacity | 1 st November 2007 |



Gas Storage Inventory: Aggregation by hubs



| Hubs Area | PREVIOUS WEEK | | CURRENT WEEK | | |
|---------------|---------------------------------|---|---------------------------------|---|----------------------------|
| | Stock Level Mon 01/10 - 5:59 | Accuracy Level % Mon 01/10 - 5:59 | Stock Level Mon 08/10 - 5:59 | Accuracy Level % Mon 08/10 - 5:59 | % Full Mon 08/10 - 5:59 |
| Baumgarten | 10450 mcm | 100% | 10415 mcm | 100% | 99% |
| Germany | 4234 mcm | 34% | 10995 mcm | 70% | 75% |
| Iberian | 5370 mcm | 100% | 5427 mcm | 100% | 97% |
| NBP&ZEE | 3365 mcm | 84% | 3897 mcm | 84% | 92% |
| PEG | 8311 mcm | 100% | 8451 mcm | 100% | 97% |
| PSV | 8278 mcm | 100% | 8450 mcm | 100% | 61% |
| TTF (Eurohub) | 872 mcm | 87% | 991 mcm | 87% | 88% |



GSE Storage Investment database





STORAGE INVESTMENT DATABASE

[HOME PAGE](#) | [DATABASE](#)

Legend

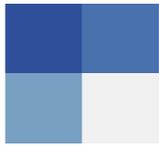
- Planned** Project at an early evaluation stage
- Committed** Project evaluated by the company with detailed studies and possibly undergoing planning and permitting stages
- Under Construction** Project already started (procurement and physical operations)

| | | | | | | TOTAL STORAGE CAPACITY ADDITIONS | | | | |
|----------------|-----------------|----------------------|------------------|--------------|--------------------|----------------------------------|---------------|------------------|----------------|--|
| | | | | | | 36635 | | | | |
| Country | Company | Name of facility | Type of facility | Investment | Status | Expected Capacity (Mcm WG) | Expected date | Last Update date | Source of info | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| AUSTRIA | OMV Gas | Schonkirchen Tief | Reservoir | New facility | Planned | 1000 | by 2015 | 5 July 2007 | GSE | |
| AUSTRIA | RAG | Haidach | Reservoir | New facility | Under construction | 1200 | by 2010 | 5 July 2007 | other | |
| AUSTRIA | RAG | Haidach | Reservoir | New facility | Under construction | 1200 | by 2013 | 5 July 2007 | other | |
| BELGIUM | Fluxys | Loenhout | Aquifer | Expansion | Under construction | 100 | by 2010 | 5 July 2007 | GSE | |
| BELGIUM | Fluxys | Poederlee | Aquifer | New facility | Planned | 300 | by 2015 | 5 July 2007 | GSE | |
| BULGARIA | Bulgargaz | Chiren | Reservoir | Expansion | Planned | 700 | by 2015 | 5 July 2007 | other | |
| CZECH REPUBLIC | Rwe Gas storage | Not specified | Reservoir | Expansion | Planned | 555 | by 2015 | 5 July 2007 | GSE | |
| DENMARK | Dong Storage | Stenlille | Aquifer | Expansion | Under construction | 90 | by 2010 | 5 July 2007 | GSE | |
| FRANCE | Gaz de France | Céré La Ronde/Soings | Aquifer | Expansion | Planned | 200 | by 2013 | 5 July 2007 | GSE | |





Back-up slide



Adresse http://www.gie.eu.com/gse/storageprojects/downloads/20070706_GSE%20Storage%20Projects%20Database_FINAL.xls Wechsle

F35 New facility

| | B | C | D | E | F | G | H | I | J | K |
|----|--|-------------------|----------------------------|-------------------------|-------------------|--------------------|-----------------------------------|----------------------|-------------------------|-----------------------|
| 1 | GSE STORAGE INVESTMENT DATABASE @ JULY 2007 | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| | Country | Company | Name of facility | Type of facility | Investment | Status | Expected Capacity (Mcm WG) | Expected Date | Last Update Date | Source of Info |
| 4 | AUSTRIA | OMV Gas | Schonkirchen Tief | Reservoir | New facility | Planned | 1000 | by 2015 | 5 July 2007 | GSE |
| 5 | AUSTRIA | RAG | Haidach | Reservoir | New facility | Under construction | 1200 | by 2010 | 5 July 2007 | other |
| 6 | AUSTRIA | RAG | Haidach | Reservoir | New facility | Under construction | 1200 | by 2013 | 5 July 2007 | other |
| 7 | BELGIUM | Fluxys | Loenhout | Aquifer | Expansion | Under construction | 100 | by 2010 | 5 July 2007 | GSE |
| 8 | BELGIUM | Fluxys | Poederlee | Aquifer | New facility | Planned | 300 | by 2015 | 5 July 2007 | GSE |
| 9 | BULGARIA | Bulgargaz | Chiren | Reservoir | Expansion | Planned | 700 | by 2015 | 5 July 2007 | other |
| 10 | CZECH REPUBLIC | Rwe Gas storage | Not specified | Reservoir | Expansion | Planned | 555 | by 2015 | 5 July 2007 | GSE |
| 11 | DENMARK | Dong Storage | Stenlille | Aquifer | Expansion | Under construction | 90 | by 2010 | 5 July 2007 | GSE |
| 12 | FRANCE | Gaz de France | Céré La Ronde/Soings | Aquifer | Expansion | Planned | 200 | by 2013 | 5 July 2007 | GSE |
| 13 | FRANCE | Gaz de France | Etrez/Manosque | Salt cavity | Expansion | Planned | 200 | by 2013 | 5 July 2007 | GSE |
| 14 | FRANCE | Gaz de France | Hauterives | Salt cavity | New facility | Planned | 100 | by 2013 | 5 July 2007 | GSE |
| 15 | FRANCE | Gaz de France | Ile-de-France Nord/Gournay | Aquifer | Expansion | Planned | 300 | by 2013 | 5 July 2007 | GSE |
| 16 | FRANCE | Gaz de France | Trois Fontaines | Reservoir | New facility | Committed | 80 | by 2010 | 5 July 2007 | GSE |
| 17 | FRANCE | TIGF | Izaute/Lussagnet | Aquifer | Expansion | Planned | 240 | by 2015 | 5 July 2007 | GSE |
| 18 | FRANCE | TIGF | Pécorade | Reservoir | New facility | Planned | 750 | by 2015 | 5 July 2007 | GSE |
| 19 | GERMANY | EDF-EnBW | Etzel | Salt cavity | New facility | Planned | 400 | by 2010 | 5 July 2007 | other |
| 20 | GERMANY | EEG | Peckensen | Salt cavity | New facility | Planned | 500 | by 2015 | 5 July 2007 | GSE |
| 21 | GERMANY | E-On | Kiel-Ronne | Salt cavity | New facility | Planned | 50 | by 2015 | 5 July 2007 | other |
| 22 | GERMANY | EWE | Fluntorf | Salt cavity | New facility | Planned | 150 | by 2015 | 5 July 2007 | other |
| 23 | GERMANY | EWE | Nintermoor | Salt cavity | New facility | Planned | 180 | by 2015 | 5 July 2007 | other |
| 24 | GERMANY | EWE | Rudersdorf | Salt cavity | New facility | Planned | 300 | by 2015 | 5 July 2007 | other |
| 25 | GERMANY | Gas Union | Reckrod | Salt cavity | New facility | Planned | 30 | by 2015 | 5 July 2007 | other |
| 26 | GERMANY | GHG | Empelde | Salt cavity | New facility | Planned | 110 | by 2015 | 5 July 2007 | other |
| 27 | GERMANY | KSG | Stassfurt | Salt cavity | New facility | Planned | 290 | by 2015 | 5 July 2007 | other |
| 28 | GERMANY | RWE | Epe | Salt cavity | Expansion | Under construction | 70 | by 2010 | 5 July 2007 | GSE |
| 29 | GERMANY | RWE | Xanten | Salt cavity | Expansion | Planned | 125 | by 2015 | 5 July 2007 | GSE |
| 30 | GERMANY | RWE | Wolfersberg | Reservoir | Expansion | Planned | 45 | by 2010 | 5 July 2007 | GSE |
| 31 | GERMANY | Saar Ferngas | Frankenthal | Aquifer | Expansion | Planned | 130 | by 2015 | 5 July 2007 | other |
| 32 | GERMANY | VNG | Bernburg | Salt cavity | New facility | Planned | 300 | by 2015 | 5 July 2007 | other |
| 33 | GERMANY | Wintershall | Jemgum | Salt cavity | New facility | Planned | 700 | by 2015 | 5 July 2007 | other |
| 34 | GERMANY | Wintershall | Reckrod-Walf | Salt cavity | New facility | Planned | 120 | by 2015 | 5 July 2007 | other |
| 35 | HUNGARY | MSzKSz Zrt | Not specified | Reservoir | New facility | Planned | 1200 | by 2010 | 5 July 2007 | GSE |
| 36 | ITALY | Edison Stoccaggio | Cellino | Reservoir | Expansion | Committed | 30 | by 2010 | 5 July 2007 | GSE |
| 37 | ITALY | Edison Stoccaggio | Collalto | Reservoir | Expansion | Under construction | 520 | by 2010 | 5 July 2007 | GSE |
| 38 | ITALY | Edison Stoccaggio | Cotignola | Reservoir | New facility | Committed | 570 | by 2013 | 5 July 2007 | GSE |

DB

Unbekannte