

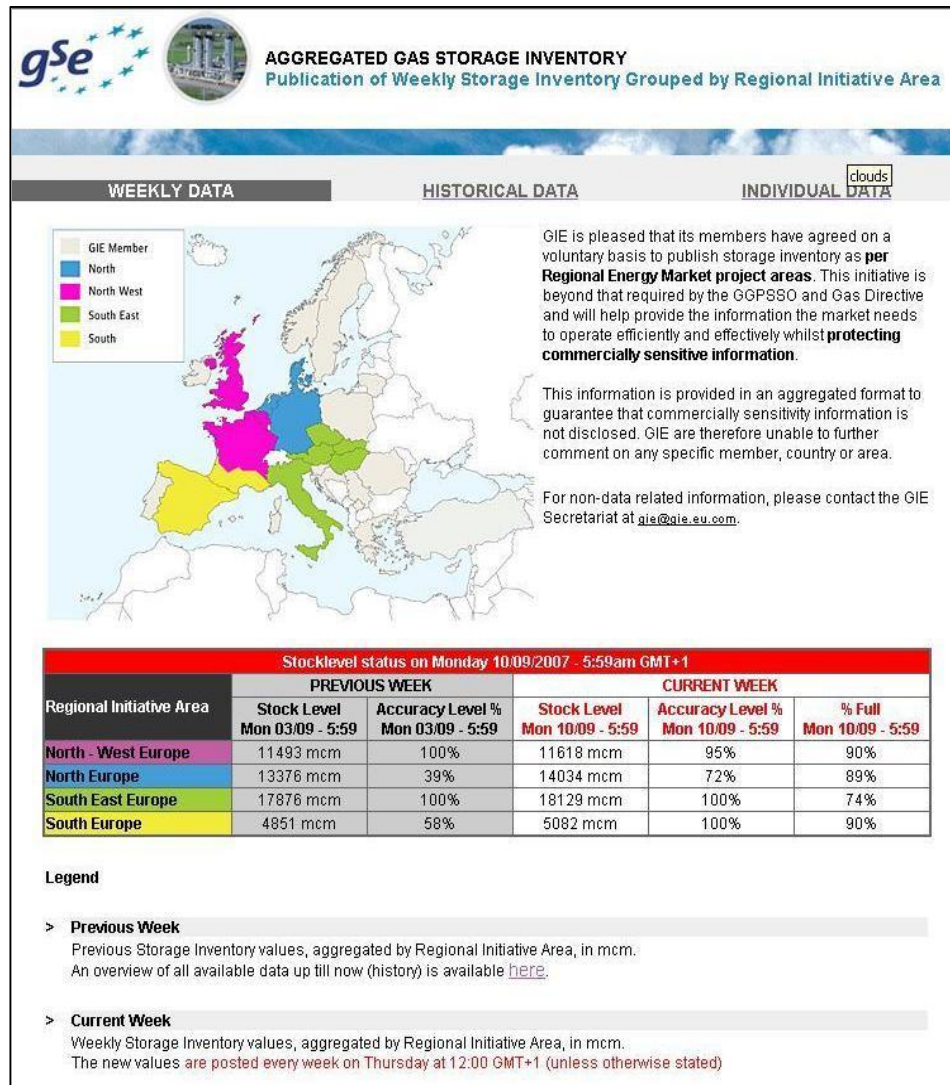


GSE Transparency Initiatives

Madrid Forum XIII
16/17 October 2007



Aggregated gas storage inventory



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

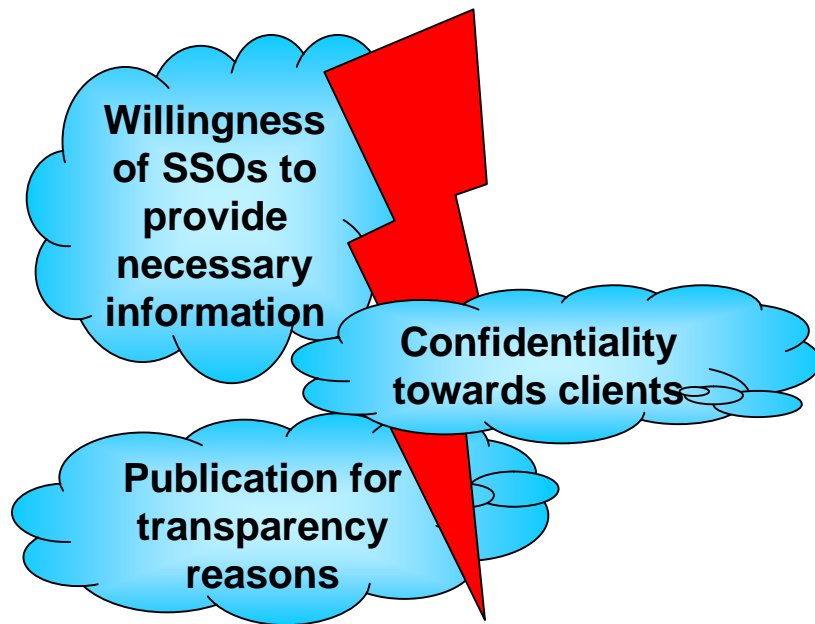
Protection of commercially sensitive information

aggregated form to guarantee that commercially sensitive information is not disclosed



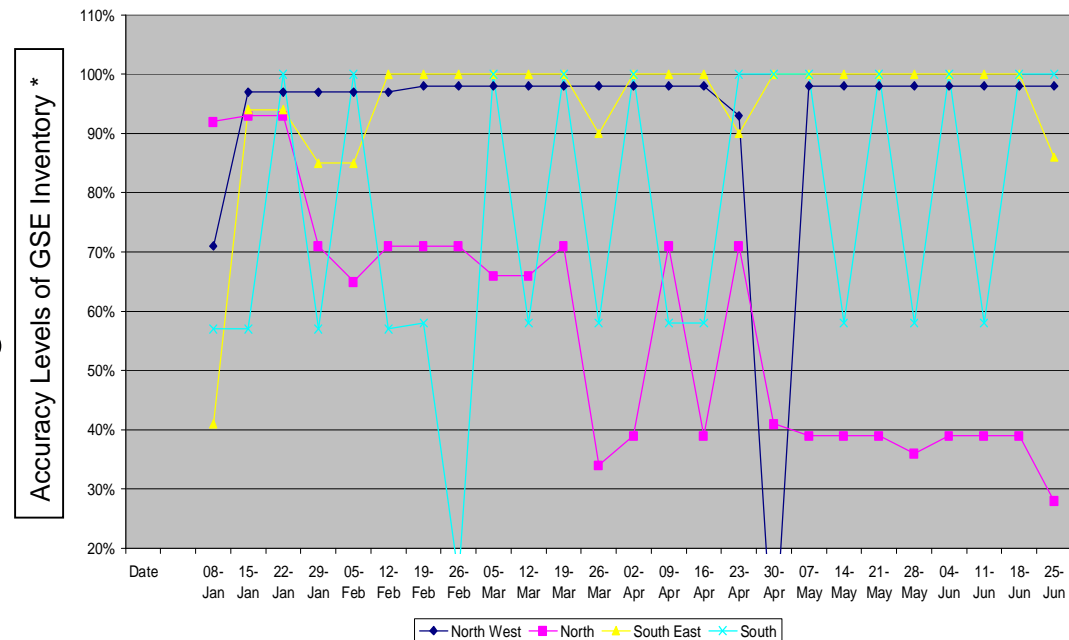
Aggregated Gas Storage Inventory: Current Issues

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



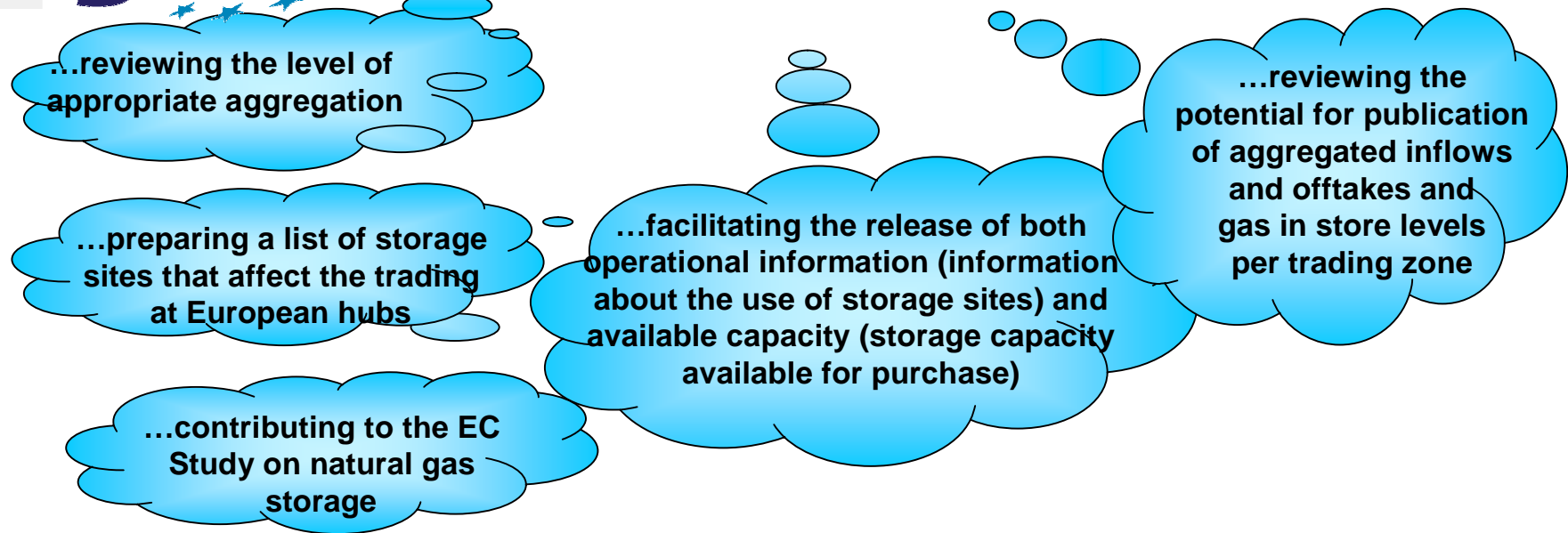
* Source: GSE

Accuracy Levels of GSE Inventory





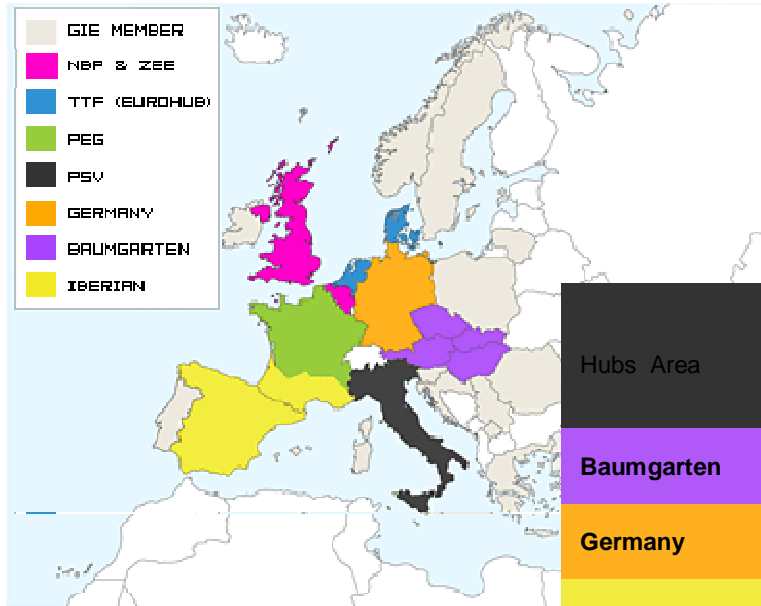
GSE Transparency work-plan



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

<div>  Gas Storage Europe </div> <div>STORAGE INVESTMENT DATABASE</div> 									
<div> Homepage Database </div>									
Legend <div> <div>Planned</div>Project at an early evaluation stage <div>Committed</div>Project evaluated by the company with detailed studies and possibly undergoing planning and permitting stages <div>Under Construction</div>Project already started (procurement and physical operations) </div>									
						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										
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	Woltersberg	Reservoir	Expansion	Planned	45	by 2010	5 July 2007	GSE
31	GERMANY	Saar Ferngas	Frankenhal	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



Unbekannte