Natural Gas Facts & Figures

New Approach & Proposal
4. Underground Gas Storage

*Source: WOC2 database*

- Types of UGS,
- per countries: distribution, WGV, maps
- per type: distribution, WGV,
- TPA
- Projects
UGS Working Gas Volume by countries

UGS Working Gas Volume by Countries (bcm)

Turkey
Belgium
Belarus
Japan
Belgium
Croatia
New Zealand
Ireland
Portugal
Armenia
Kyrgyzstan
Sweden

UGS Working Gas Volume by Countries smaller than 2.0 bcm
UGS Working Gas Volume by regions

**UGS in the World**

**Working Gas Volume Distribution by Regions (bcm)**

- **Asia Pacific**: 138,1 bcm (38%)  
- **CIS**: 113,6 bcm (32%)  
- **Middle-East**: 4,0 bcm (1%)  
- **North America**: 3,0 bcm (1%)  
- **L.America & Caribbean**: 1,4 bcm (0%)  
- **Asia**: 0,1 bcm (0%)  

**Total**: 358,8 bcm
UGS Working Gas Volume by storage type

UGS in the World
Working Gas Volume Distribution by Storage Types (bcm)

Total = 358,8

- Gas Field: 272,7 (76%)
- Aquifer: 45,7 (13%)
- Oil Field: 18,2 (5%)
- Rock Cavern: 22,2 (6%)
- Salt Cavern: 0,1 (0%)

Aquifer  Gas Field  Oil Field  Rock Cavern  Salt Cavern
UGS Working Gas Volume distribution in Europe

UGS in Europe
Working Gas Volume Distribution by Storage Types (bcm)

Total = 98,7

- Aquifer: 68,1 bcm (69%)
- Gas Field: 16,9 bcm (17%)
- Oil Field: 12,7 bcm (13%)
- Rock Cavern: 1,0 bcm (1%)
- Salt Cavern: 0,1 bcm (0%)

[Diagram showing the distribution of gas storage types with Aquifer in red, Gas Field in blue, Oil Field in green, Rock Cavern in black, and Salt Cavern in gray.]

INTERNATIONAL GAS UNION
UNION INTERNATIONALE DU GAZ
UGS: number of facilities

Specific Working Gas Volume and No. of UGS by Countries

- **No. of UGS Facilities**
- **Specific Working Gas Volume**

Excluding long-term strategic reserves in Russia
Age of UGS facilities

Age of storages

- Abandoned mine
- Aquifer
- Gas Field
- Oil Field
- Rock Cavern
- Salt Cavern

No. of UGS Facilities
UGS Working Gas Volume by Storage operators (Bcm)
Development of new storage capacity compared to the storage capacity in the previous triennium (bcm)
UGS in the World
Reported Planned Working Gas Volume Distribution by Regions (bcm)

- Asia: 64.7 bcm (54%)
- Asia Pacific: 24.7 bcm (21%)
- CIS: 11.7 bcm (10%)
- Middle-East: 12.4 bcm (10%)
- North America: 0 bcm (0%)
- L.America & Caribbean: 0 bcm (0%)

Total: ±18.6 bcm
UGS distribution worldwide
UGS distribution in Europe
UGS distribution in CIS