The Country’s Most Strict Groundwater Management System

中国の最も制限された地下水管理システム

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➢ 中国的最严格的水资源管理
➢ 中国的水资源管理模式
➢ 中国的水资源政策
Groundwater resources in China

China enjoys the total volume of water resources at about 2,800 billion m³. In year 2008, the total water supply volume reached 591 billion m³, where groundwater contributes about 18.3%.

- About 40% of agricultural land relies on groundwater for irrigation.
- Nearly 60% of cities rely on groundwater being the sources of water supply.
Critical issue induced by the continuous large groundwater extraction:

- continuous regional decreasing of groundwater level
- pollution to groundwater, etc

Percentage area of GW contamination

Pollution from Agricultural activities

Changes in the area of groundwater drawdown cones in part of PARs, 2008

地下水位の低下（2008年）
2. The most strict GW management

Establishment of “the most strict water resources management system” was initiated in 2009 by the Ministry of Water Resources.

- Quantity Control (max. volume consumption)
- Quality Control (prohibited external contamination)
- Efficiency Control (recycle and water-saving)

Ministry of Water Resources
The system is implemented based on monitoring

모니터링に基づき実施される管理システム

GW monitoring network

Main plains

Mountainous regions

Irrigation land

Source of water supply

Groundwater depression

Geo-environment
3. Expectations

- 期待される成果

Thank you for your attention

Arigato gozaimasu!