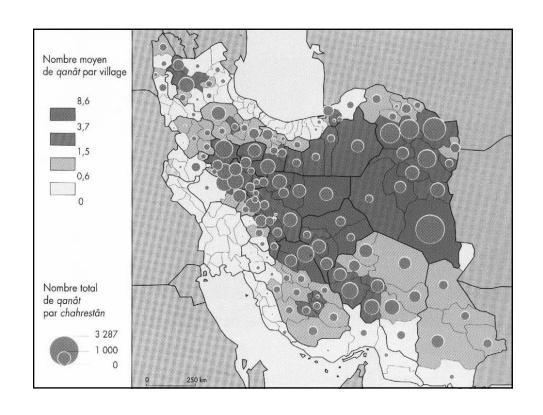


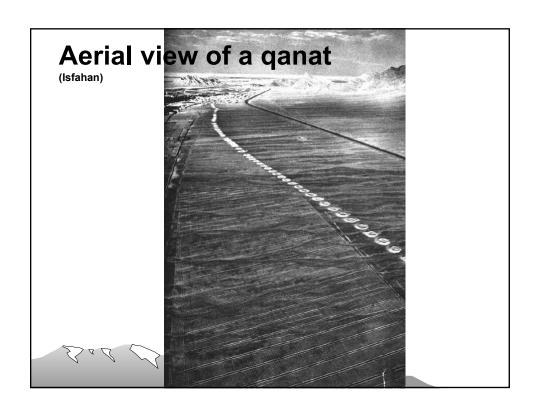


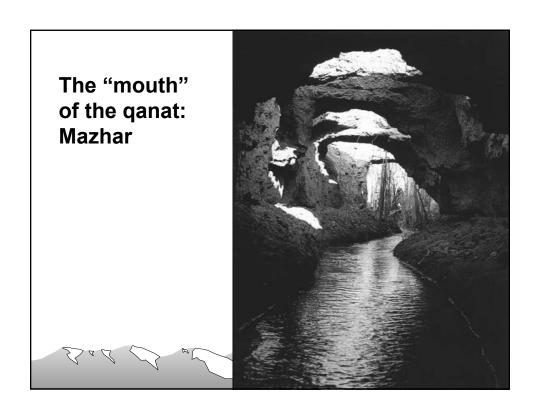
Qanat: a tunnel ground water harvesting system

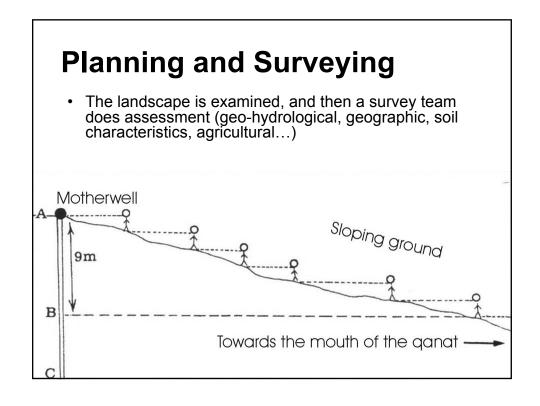
- An ancient system
- Global in geographic extent and history
- Indigenous knowledge & technology
- Still functional and productive in Iran
- Falling into disrepair and neglect
- Victim of the modernisation mentality

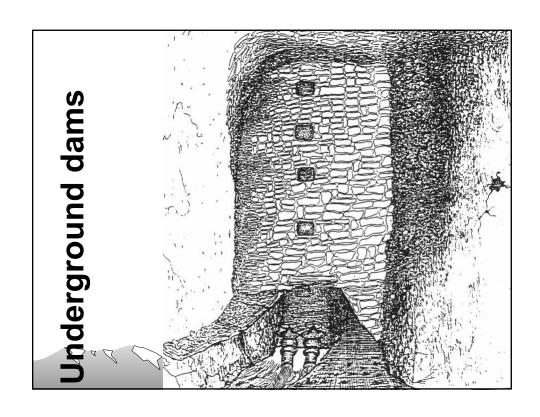


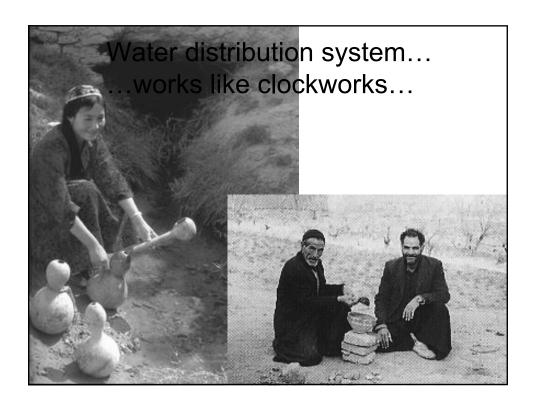






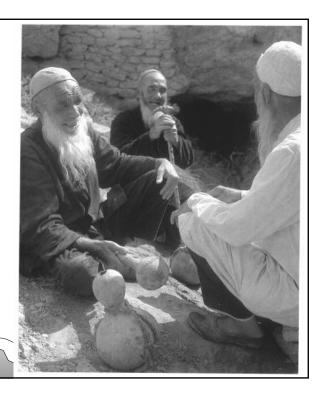






The real water managers...

..."oriental despotism" or democracy at work?



Well	Qanat
Usage of groundwater sources more than the existing capacity	Usage of groundwater sources according to the existing capacity
Unsustainable use of water resources	Sustainable use of water sources
Worsening of water quality with respect to salinity and hardness	Protection of water quality and its amelioration in long-term
After a while agricultural lands are degraded and left unused	Improves agricultural lands and enhances cultivation in long-term
Worsening quality of land	Better quality of land
No cultivation system to follow	A cultivation system that works
Weak collaborative work	Strong collaborative work
Unsustainable agricultural communities	Sustainable agricultural communitie
Enhances desertification	Prevents desertification
Unsuitable drinking water for rural and urban dwellers	Very suitable drinking water for urba and rural dwellers

