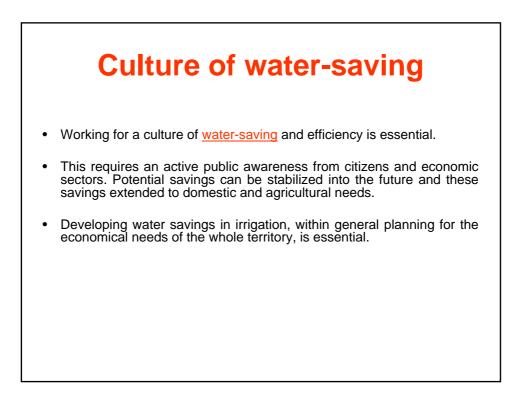
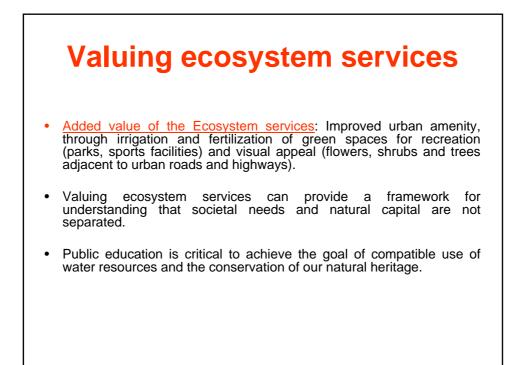


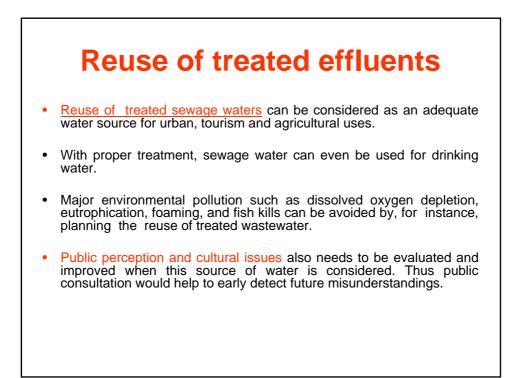
## Potential alternatives and needs with respect to existing water resources

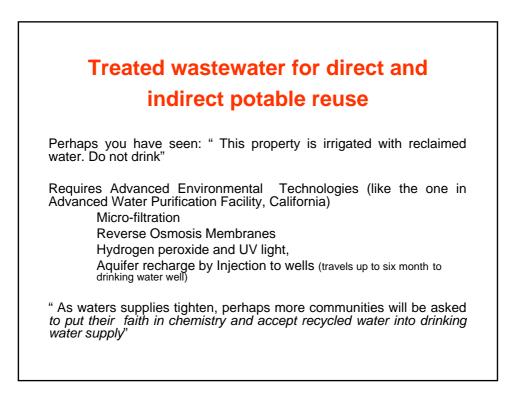
- Culture of water-saving and valuing ecosystem services
- Improvement of wastewater treatment quantitatively and qualitatively
- Reuse of treated effluents
- Treatment of drinking water
- Protection of aquifers





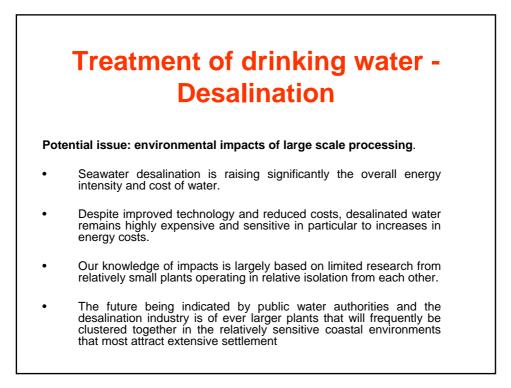






## **Treatment of drinking water**

- <u>Desalination for drinking water treatment</u> is a current option to obtain water resources that could be considered as independent of potential changes in climate.
- Energy needs and costs are high.
- Desalination should not be considered the only option.



## **Protection of aquifers**

- Use of ground waters requires adequate protection of aquifers.
- Overexploited aquifers affect available water for surficial aquatic ecosystems and may create problems of subsidence and salt water intrusion.
- Recharging aquifers requires good chemical and microbiological quality of the waters. Some techniques to improve the water quality of underground waters exist, even at the large scale.
- Recovered ground water wells can provide additional resources (up to 25 Mm3 in Catalonia which could be raised to 90 Mm3 during extreme droughts).

