



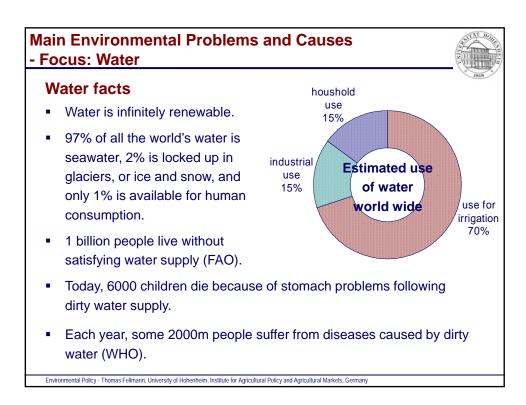


Pollution of water resources is the most commonly cited example of an external cost, or externality, in economics.

## What is water pollution?

- For a natural scientist, it is the discharge of a substance into a body of water which results in changes in the functioning of the system.
- For an economist, a definition includes in addition the requirement that water pollution adversely affects at least one person's wellbeing or that it adversely affects production.

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# Main Environmental Problems and Causes - Focus: Water



### **Dimensions of water supply**

Quantity

Some 80 countries, which are home to 40% of the world's population, were suffering from serious water shortages by the mid-1990's.

#### Quality

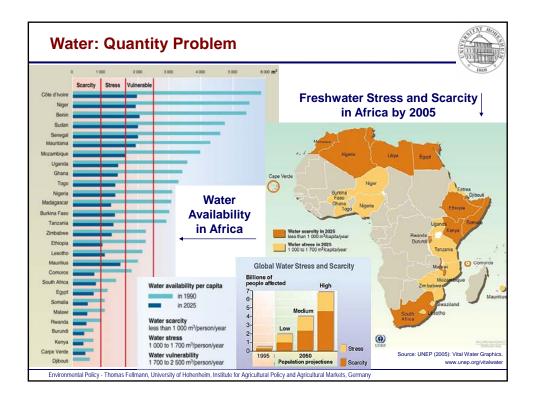
2000: 1.1 billion people without access to safe drinking water.

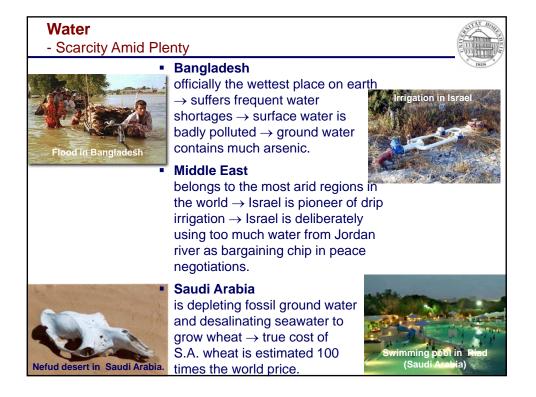
### Distribution

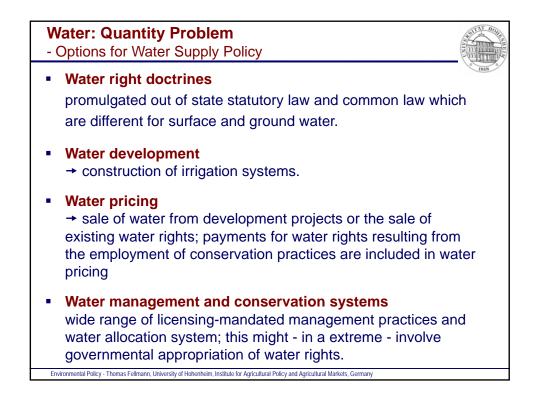
Some places in the world have more water than they can possibly use (e.g. Canada, Austria, Ireland), others have to little (e.g. Australia, Northern China, Middle East). Water is expensive to transport.

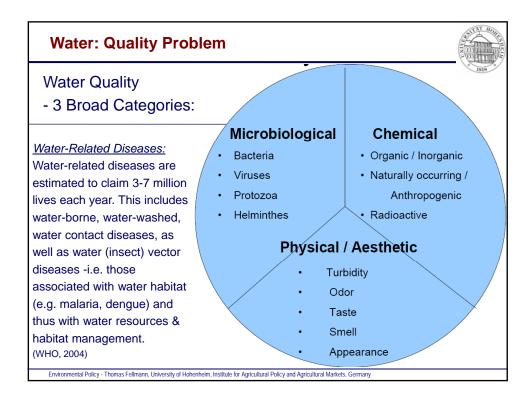
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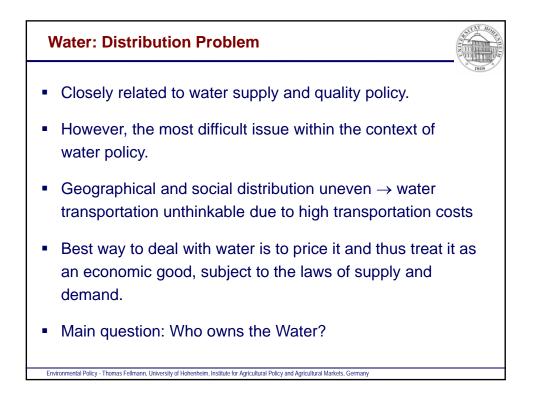


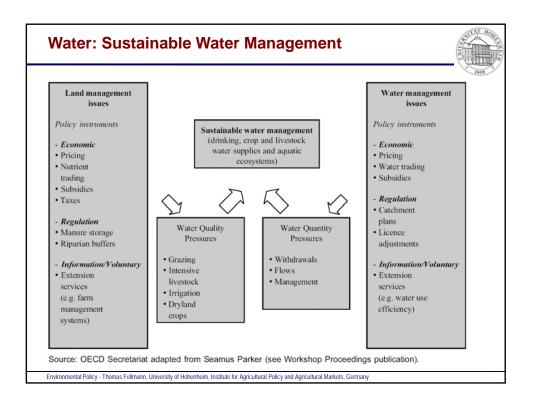




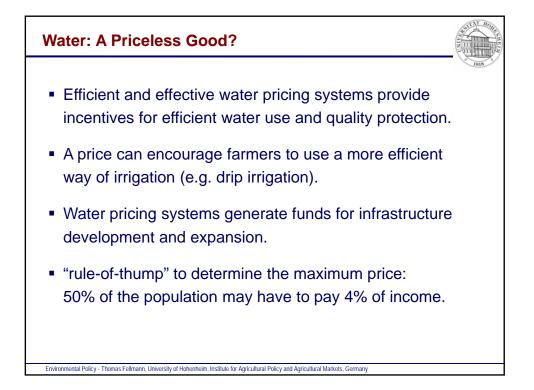












Water	ANTAT MOILES
- Methods of Resolution	
<ul> <li>Chile Proper pricing for water. Water stamps for poor people to meet their bills.</li> </ul>	a faits
<ul> <li>South Africa         Government is put in charge of the country's water. Water allocations are temporary and tradeable. Basic minimum quantity (25 I) of water is cheap or free. Higher charges for greater consumption.     </li> </ul>	
<ul> <li>Australia         Separation of water rights from property rights → water belongs to the crown, users have only access rights. A system of trading was introduced.     </li> </ul>	