How much freshwater does each person need per day?

Survival $\approx 7.5 \mathrm{~L}$
Full hygiene $\approx 20 \mathrm{~L}$
About how many people lack access to safe freshwater? $\approx 2.5$ billion people
( $85 \%$ of human population lives in driest parts of
How much freshith)

## Topic 4.2

## Water Scarcity and Solutions

 Irrigation (agriculture - growing crops) Generating electricity (hydro-electric, steam turbines)Cooling (nuclear power stations, factories)
Products (cement, paper, clothes)
Consumables (foodstuff, beverages, medicines)
Waste disposal (domestic sewage, chemicals)

Water Stress by Country: 2040


Which regions or countries are facing the highest water stress?

Why are these facing higher water stress?

Why are some countries facing lower water stress?

[^0]
## Competing water uses for main income groups of countries ${ }^{6}$

Industrial use of water increases with country income, going from 10\% for low- and middle- income countries to 59\% for high-income countries.

Ref. 6: "Water for People, Water for Life" United Nations World Water Development Report, UNESCO, 2003
www.unesdoc.unesco.org


High-income countries



Mali (LEDC: North-West Africa) $\approx 4 \mathrm{~m}^{3}$ per year per person India (NIC: South Asia) $\approx 52 \mathrm{~m}^{3}$ per year per person USA (MEDC: North America) $\approx 215 \mathrm{~m}^{3}$ per year per person


[^0]:    

