

COUPLED NATURAL AND ECONOMIC SYSTEMS; THE ROLE OF EFFICIENT WATER RESOURCE MANAGEMENT IN ECONOMIC RECOVERY.

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WATER ECONOMICS



Fresh water used in agricultural development



Raw materials production that requires fresh water.



Freshwater needed globally to support industrialization.



Fresh water needed for animal production globally



Freshwater required for irrigated agriculture which account for 40% of food production

Treatment and Reuse

Water management Infrastructures

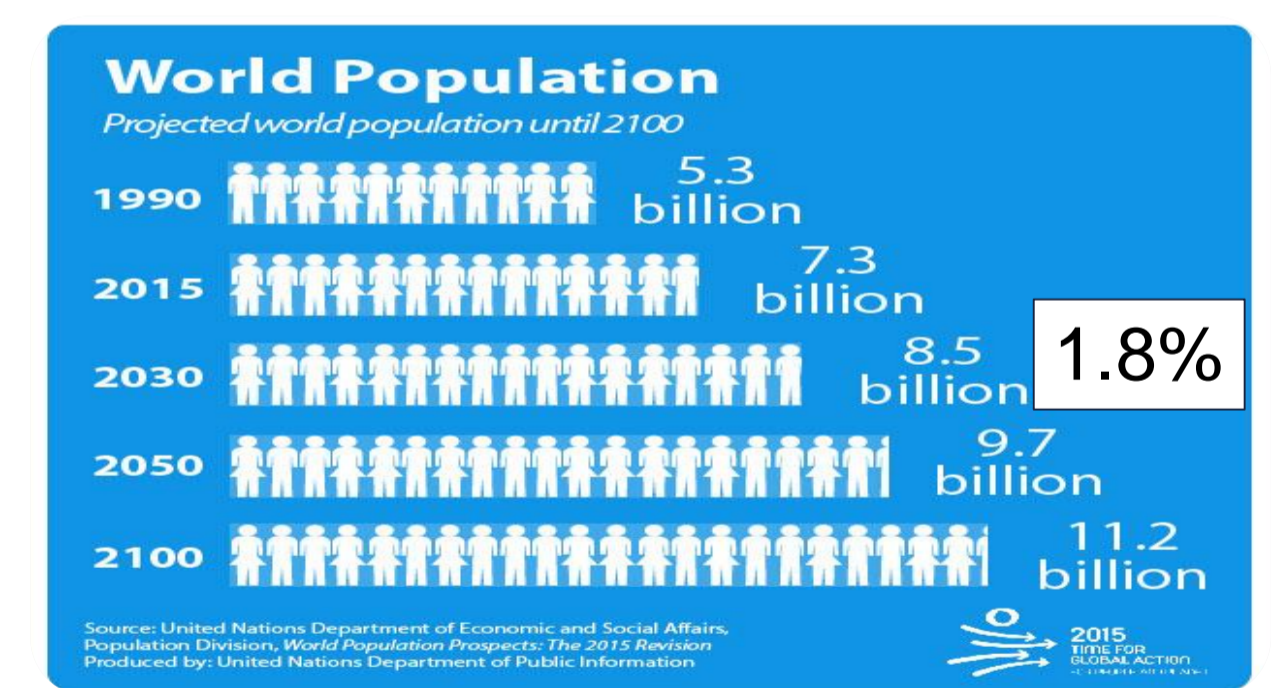
Pollutants control

EFFICIENT MANAGEMENT OF WATER RESOURCES

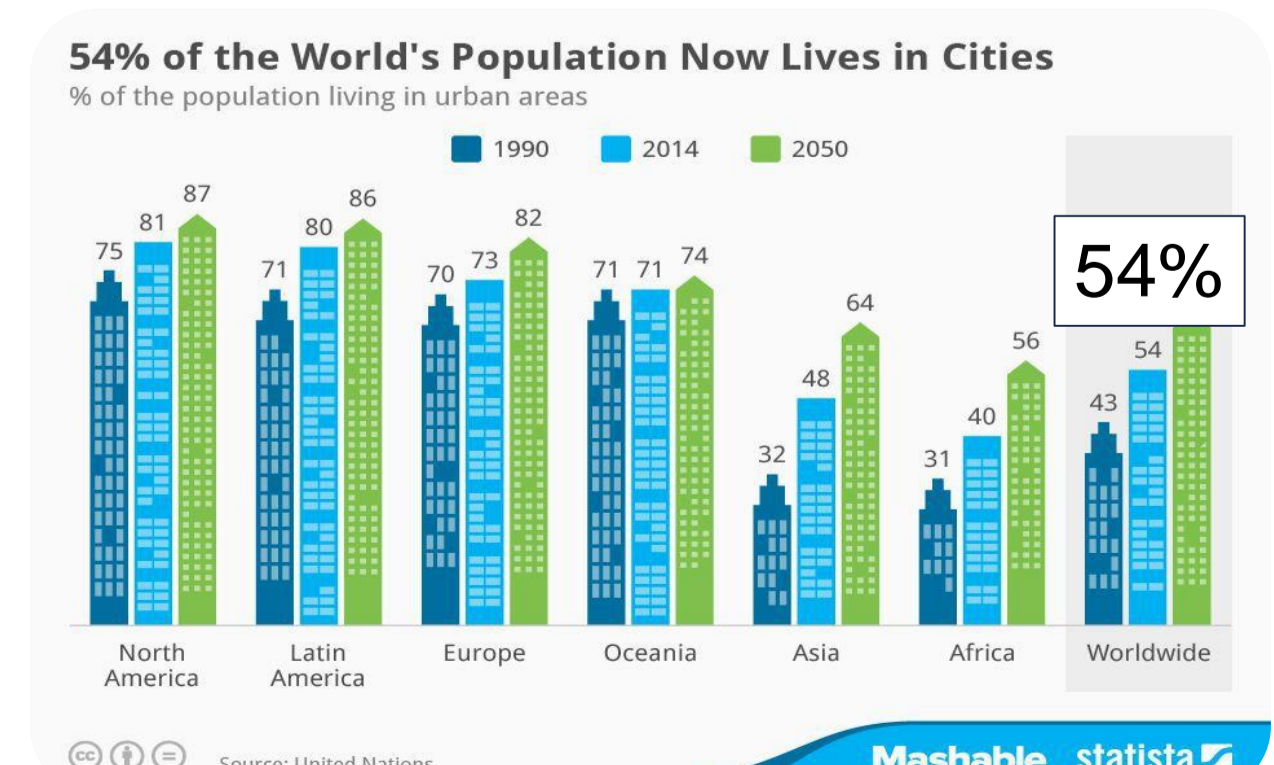
THREATS TO SUSTAINABLE WATER AVAILABILITY



Average increase in land and ocean Temperature since 1981 (NOAA). Climate change contributes to surface and ground water contamination.



Pesticides used annually.



SELECTED REFERENCES

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- The World Bank (2020). Water in Agriculture. <https://www.worldbank.org/en/topic/water-in-agriculture>.
- Max Roser (2019) - "Pesticides". Published online at OurWorldInData.org. Retrieved from: <https://ourworldindata.org/pesticides>