


How does water contribute to welfare?

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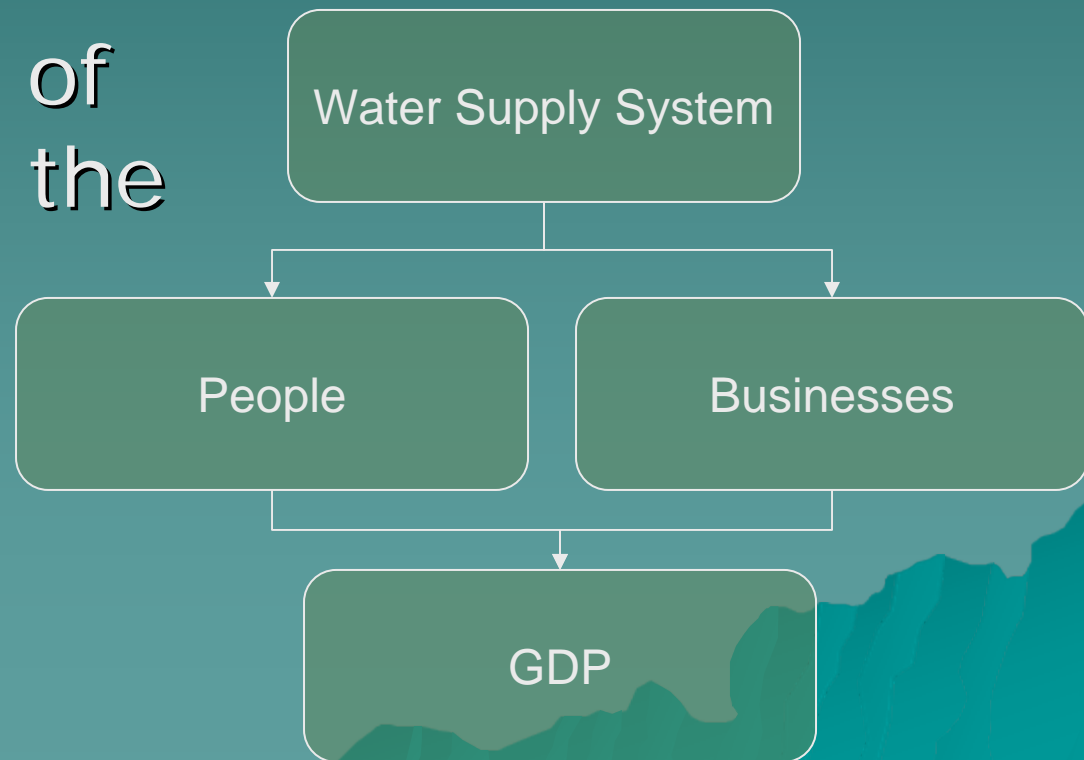


Overview

- ◆ The opportunity
 - ◆ What is quality of life?
 - ◆ How does water affect quality of life?
 - ◆ Water flows
 - ◆ Economic flows
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The Opportunity

- ◆ Provide water supply systems that optimise contributions to welfare
- ◆ Trace the flow of water through the economy and environment



Quality of Life

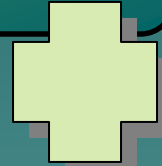
- ◆ Dozen of different indices
- ◆ NZ:
 - UN Human Development Index
 - Economist Intelligence Unit's Quality of Life Indicator
 - Social Deprivation Index
 - GDP???

Quality of Life: UN Human Development Index

Material well-being



Health



Education



Quality of Life: The Economist

Material well-being



Health



Political stability and security



Family Life



Community life



Climate and geography



Job security



Political freedom



Gender equality




Water Supply → Quality of Life


Water Supply

Material well-being 


Political stability and security 

Climate and geography 

Health 


Family Life 

Job security 

Gender equality 

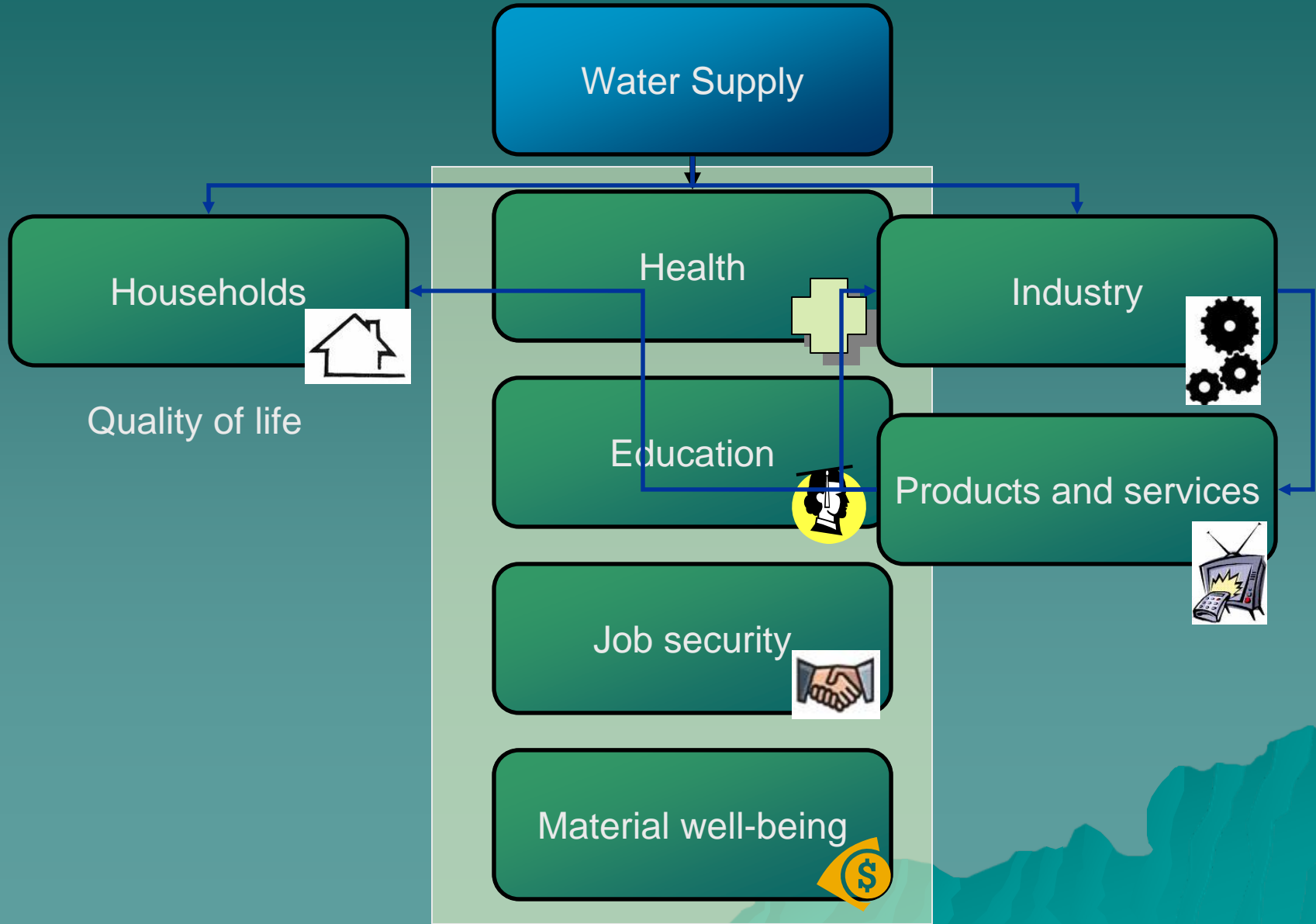
Education 

Community life 

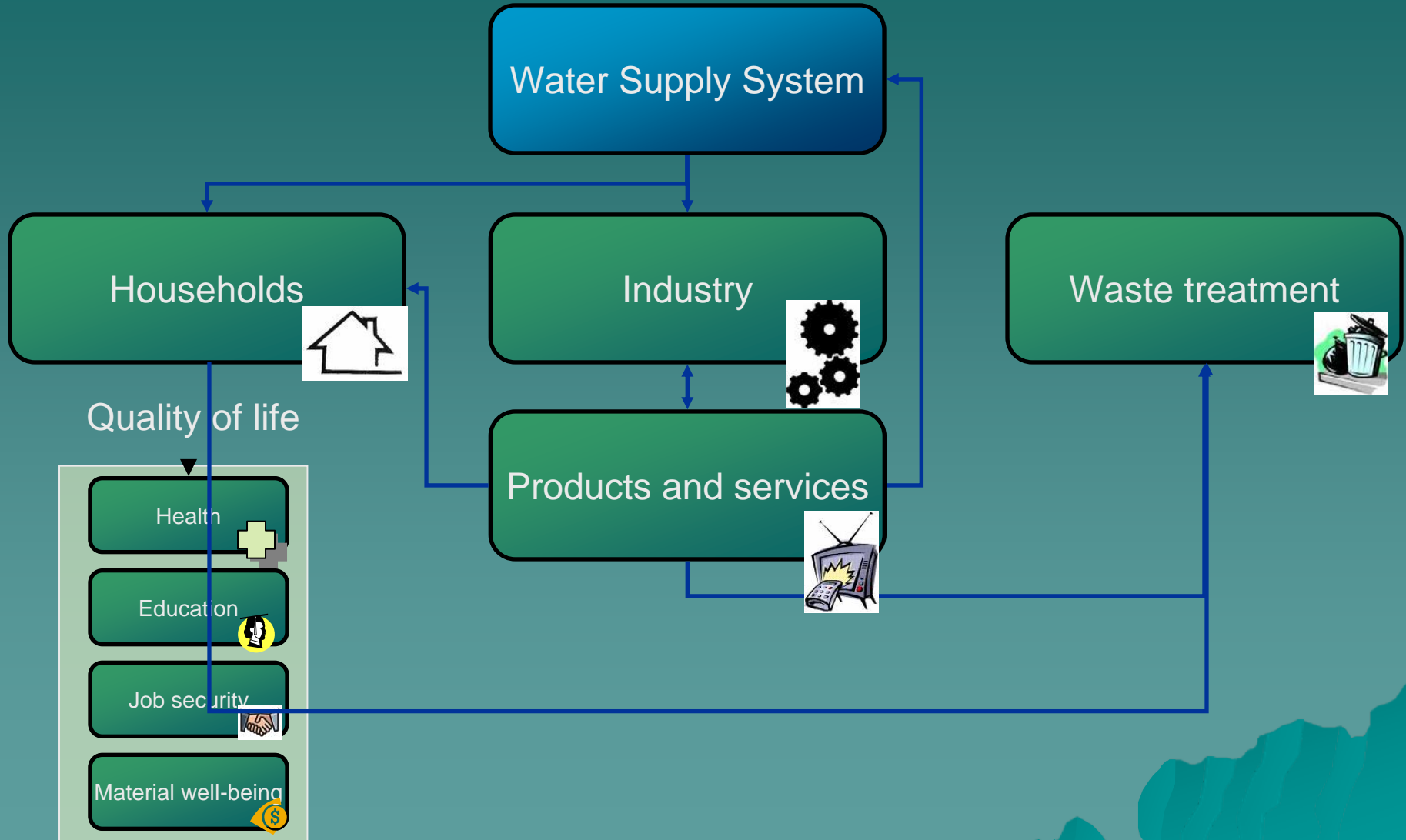
Political freedom 



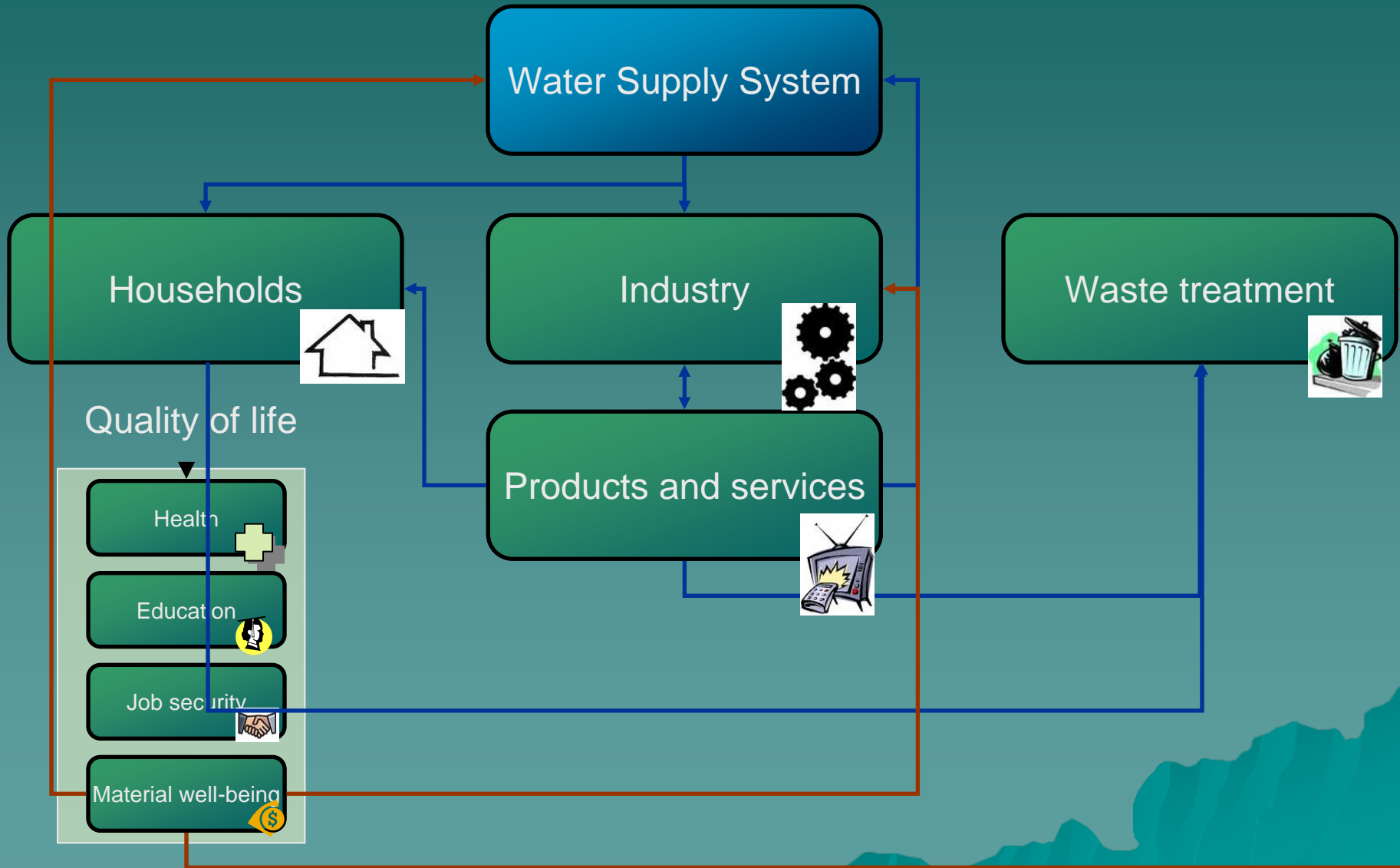
Water Flows



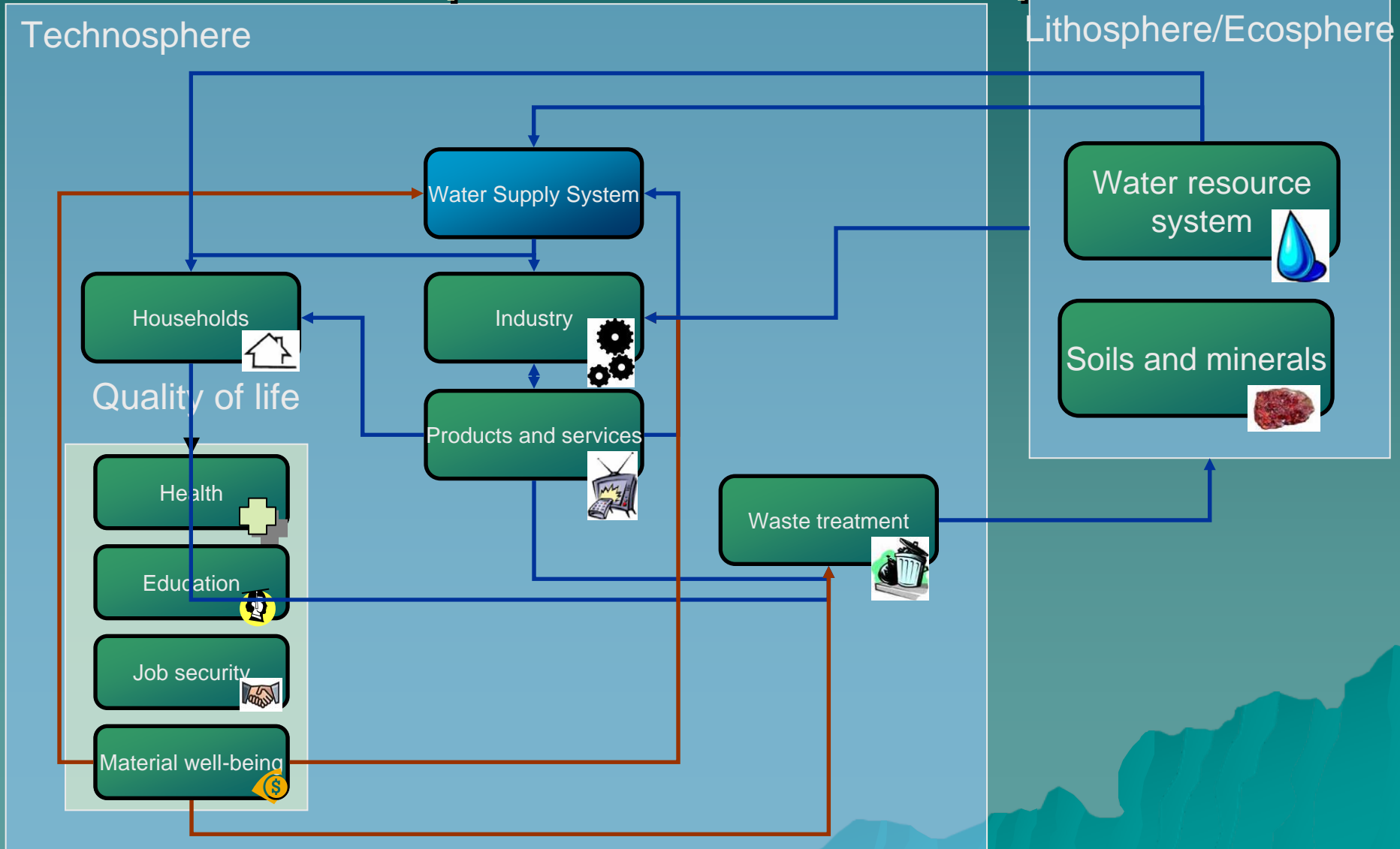
Water Flows



Economic Flows



Relationship between technosphere and lithosphere



Questions?