



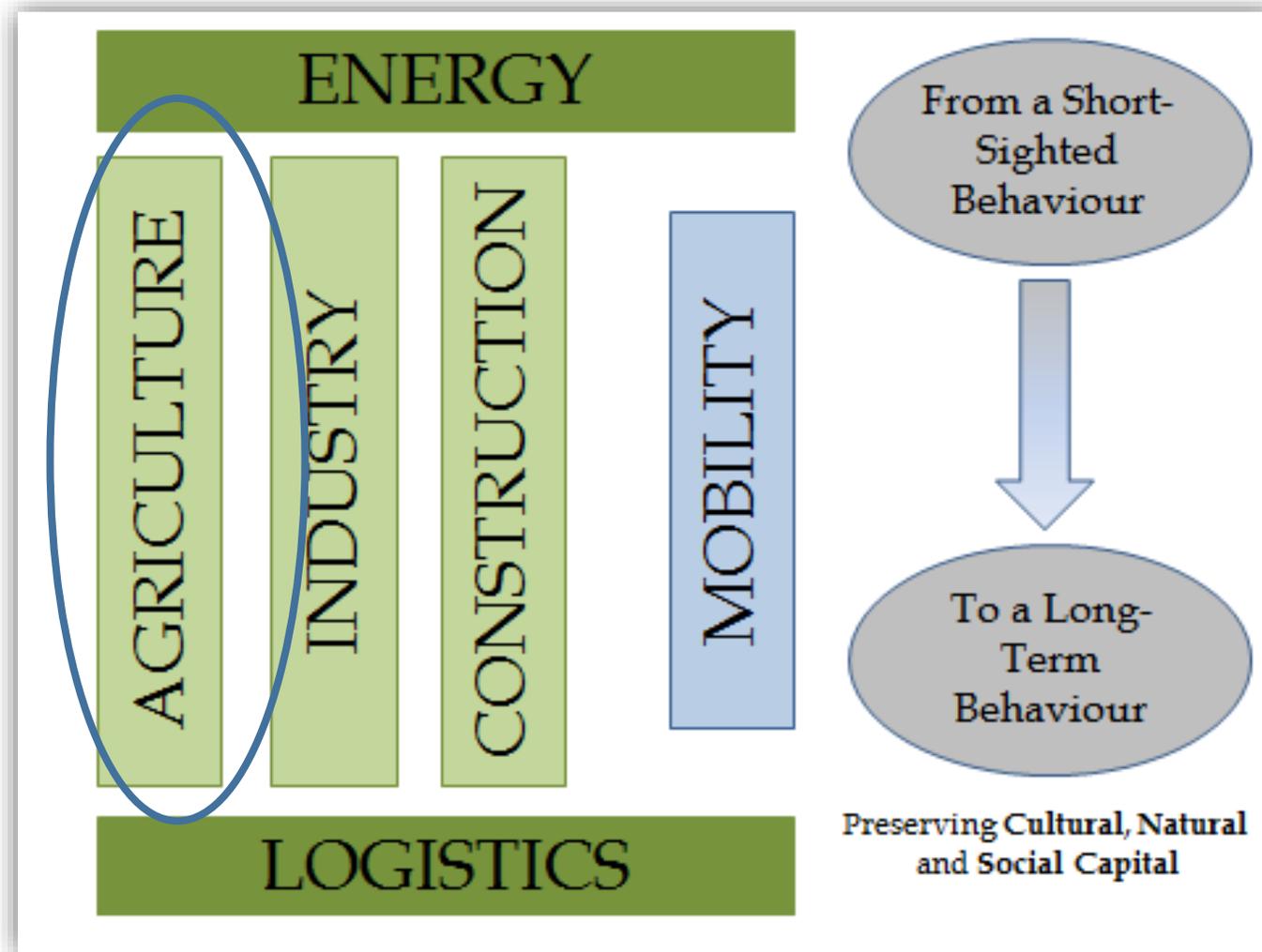
Sustainable Food Course (1° edition)

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What is food?

Find your first 5 words related to food

Why is food a Long Term Economy Pillar?



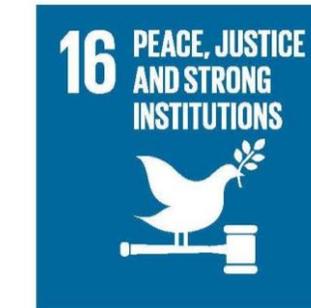
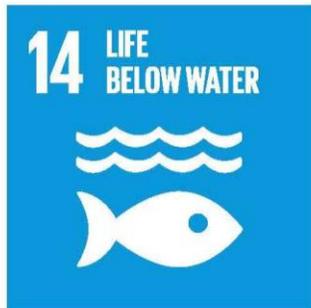
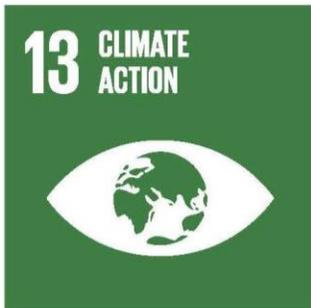
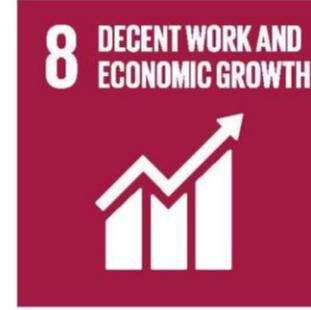
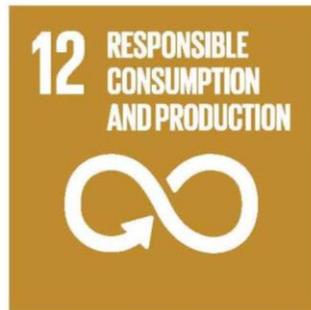
What can be **the long term effects** of a bad managed food system?

Which are direct and indirect SDGs related to food?



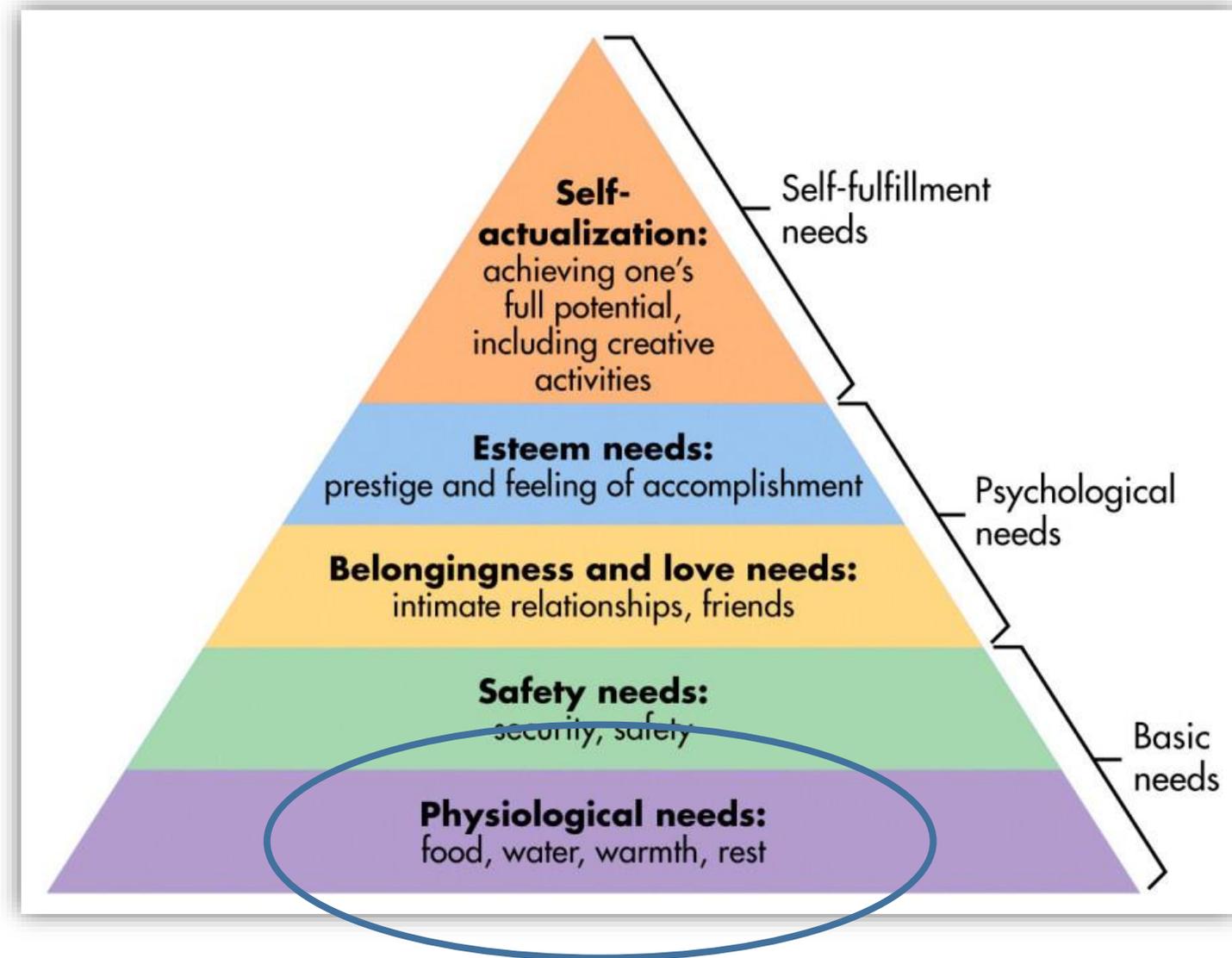
Direct

Indirect



Food is a basic need

*“Food is essential for human development.”
Poor food can cause social problems.*

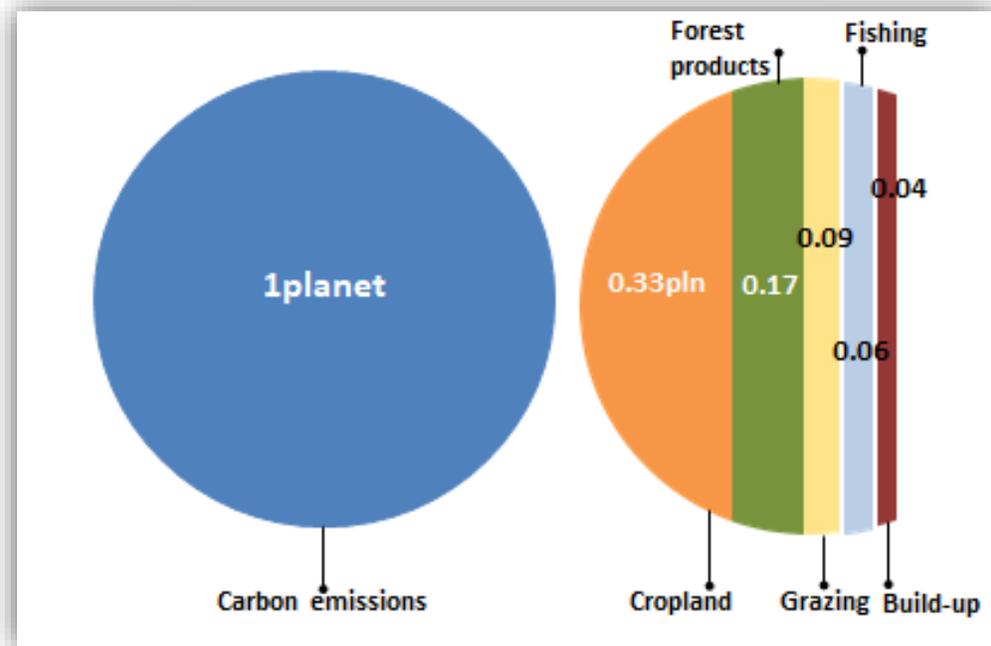


Food impact on our life



*When you are building your food system in your community **you should explode each of these items***

Food Ecological Footprint

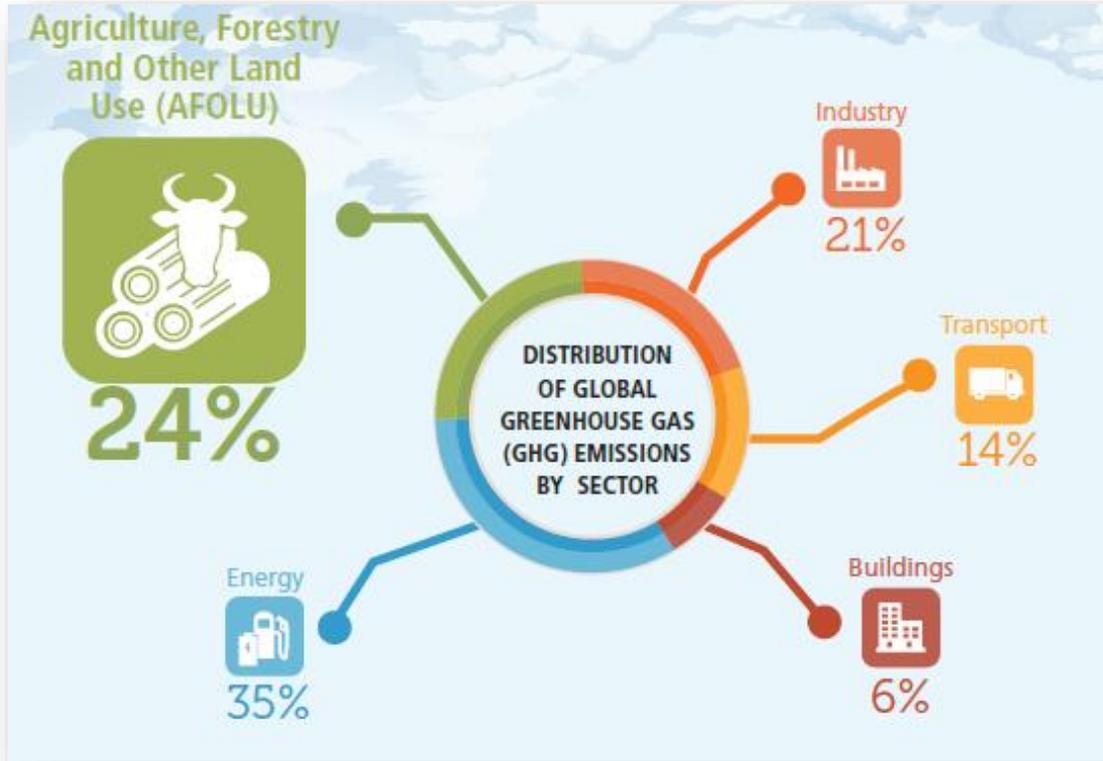


0.7 Earths
Food Chain Impact

❑ **Food Footprint:** Cropland + Grazing land + Fishing requests almost 0.5 planets Earth.

❑ If we add 0.24 from its emissions (24% of Greenhouse emissions are from agriculture – IPCC). In total it requires **0.7 planets alone.**

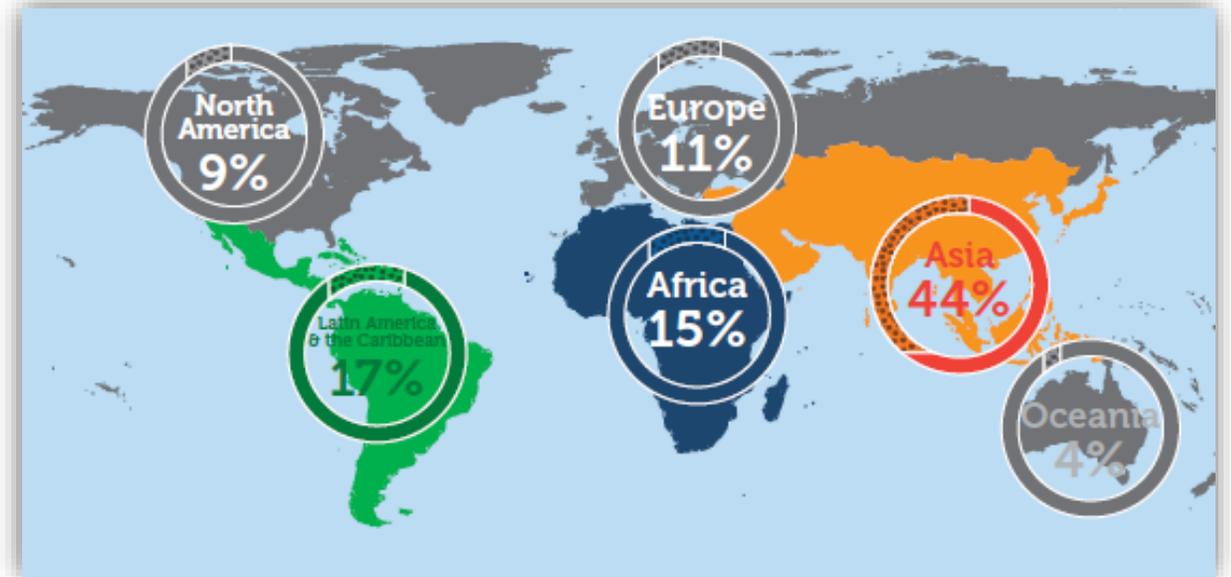
Food emissions



Source: FAO on IPCC (2014)

- ❑ **24%:** is the percentage estimated by IPCC for Agriculture, Forestry and other Land Use. Asia is the biggest contributor.
- ❑ **8%:** annual increase between 2005 and 2014.

Emissions from agriculture by continent



Source: FAO on IPCC (2014)

The main threats to Soil

1. **Soil erosion:** the accelerated removal of topsoil from the land surface by water, wind, or tillage.
2. **Loss of soil organic carbon:** primarily as a result of land use change.
3. **Soil salinization and sodification:** a condition where soils are degraded by an excess amount of neutral salts, sodium, or both.
4. **Loss of biodiversity:** due to multiple factors which impact on sub-surface ecosystems.
5. **Soil Contamination:** due to the misuse of agricultural inputs, mining residues, fossil fuels & other contaminants.
6. **Soil Acidification:** a natural, long-term process caused by precipitation & decomposition of vegetation.
7. **Soil Compaction:** dramatically reduces ong-term productivity of soils.
8. **Soil Sealing & Land Take:** due to rapid urbanization & lack of land use planning.

(Source: The 2015 Status of the World's Soil - United Nations – Global Land Outlook)

Let's build our Food-Map together

Life

Supply Chain



Impact

Trade off