WATER

When it rains, soils filter the rainfall and store it. This is a good thing, for it gives us clean groundwater and water to drink. But it not only quenches our thirst. Worldwide we use around 4,000 cubic kilometres of freshwater annually to irrigate our crops, take our daily shower and cook our meals. That's around one and a half times more water than is contained in Lake Victoria in East Africa.

Every individual has basic needs that can only be met through **HEALTHY SOILS**.

WAGES & WORK

Agriculture not only gives us food security. For many people, it is also the main source of income. Worldwide, 1.3 billion people are employed in agriculture – 40 per cent of the global workforce.

FOOD

Humankind has been farming arable land for thousands of years. Agriculture and animal husbandry depend on fertile soils, which safeguard our supply of food.

CLOTHING

40 per cent of the textile fibres used to make clothing comes from crops and thus from the soil.

ENERGY

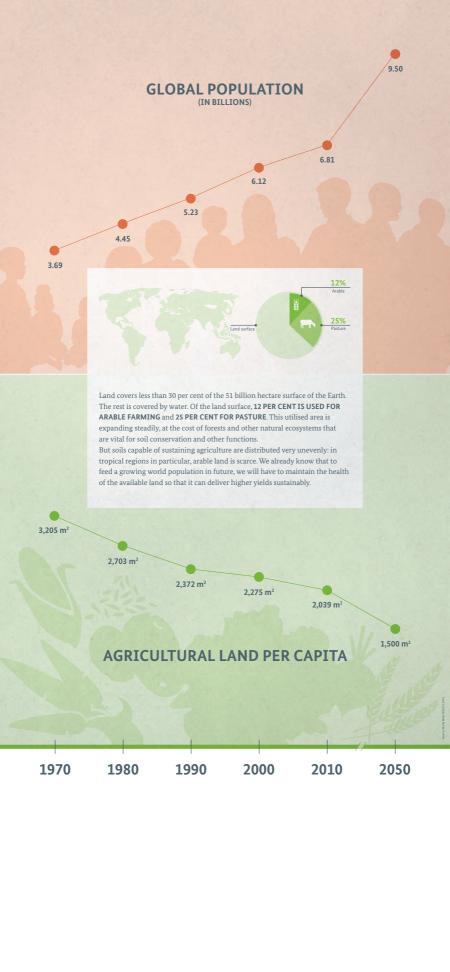
Energy is vital. Wood is a good example: it is one of the main sources of energy for heating and cooking, especially in the developing world. Europe is also increasing its use of bioenergy, such as biofuels and biogas.

"SOIL IS A RESOURCE, A LIVING, BREATHING ENTITY THAT, IF TREATED PROPERLY, WILL MAINTAIN ITSELF. IT'S OUR LIFELINE FOR SURVIVAL."

Marjorie Harris
Canadian author of gardening books



RURAL AREAS WILL DECIDE THE FUTURE OF THE FOOD SUPPLY.





MANY COMPETING INTERESTS



Demand for food, animal feed, energy crops and other farm products

LAND HAS BECOME A COMMODITY



Land is a finite resource and has become a highly desirable commodity for various interest groups. Often, control of the best land and soils, especially in developing countries and emerging economies, passes to overseas agricultural companies and investors so that it can be used to grow food, animal feed, energy crops and other farm products for export. According to the Land Matrix online database, more than 54 million hectares of land – an area roughly as large as France – have been the subject of land deals in the last 15 years. Almost 38 million hectares – an area larger than Japan – were the subject of concluded land deals.

In these transactions, the fact that the land is inhabited is often overlooked. In developing countries and emerging economies in particular, indigenous and local communities are often forcibly resettled or expelled. Many of the affected communities have lived on the land for generations but have no formal registration documents (land titles) that would provide evidence of their rights to the land. And even if they possess these documents, they have very little chance of enforcing their rights in complex international land deals. As a result, the global hunger for fertile land often causes conflicts at the local level.



More intensive use depletes the soil





Land deals drive local

RISK FOOD SCARCITY



Food prices rise.



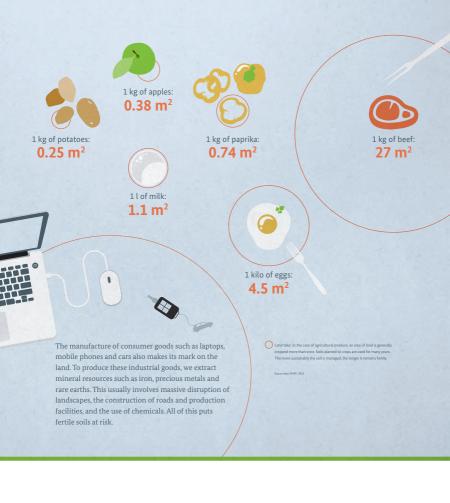




FOOTPRINTS IN FARAWAY COUNTRIES.

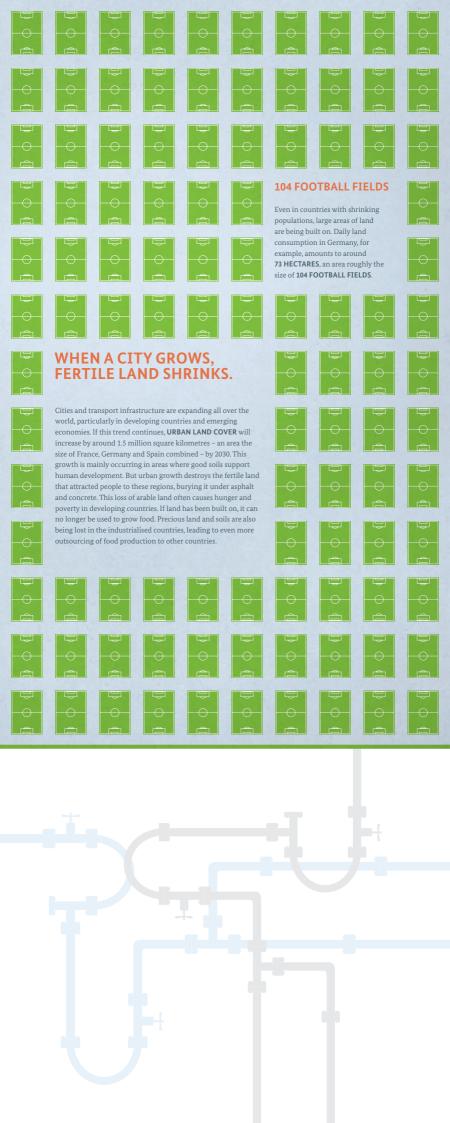
If we are to eat an egg for breakfast, fertile land is needed. The same applies to the cup of coffee that goes with it. We need land to produce every single item of food we eat. Unless it is managed sustainably, this land gradually degrades. What's more, the land is often not located in our own country. A full 60 PER CENT OF THE LAND UTILISED FOR EUROPEAN CONSUMPTION IS LOCATED OUTSIDE THE EU. Every year, the EU leaves a LAND FOOTPRINT of around 640 million hectares in the countries from which it imports "virtual land". As a result, this land is not available for local food production.

If distributed equitably, 0.2 hectares of land would be available to every person on Earth. Comparison of land footprints around the globe, however, reveals a MASSIVE IMBALANCE: a small proportion of the world population, mainly in industrialised countries, takes far more than its fair share of the land. Six of the ten countries importing the largest amounts of virtual land are European. Germany is one of them. On average, an EU citizen utilises 1.3 hectares of land in a year – around six times more than a person in Bangladesh.











degrades to such an extent that it can no longer be used to grow crops. Why is this happening? One reason is the use of unsustainable agro-industrial farming techniques, which cause degradation. Another is smallholder farmers' use of inappropriate cultivation practices, which stress fertile soil.

steppes, degrade soil. Poor irrigation causes salinisation.

POSSIBLE DAMAGE FROM SMALLHOLDER FARMING:

Growing crops without replacing the nutrients depletes the soil. Smallholder farmers often lack access to suitable fertilisers Removing vegetation and burning residues deprive the soil of additional biomass - an important organic fertiliser. Unregulated grazing devastates vegetation and fertile soils.



