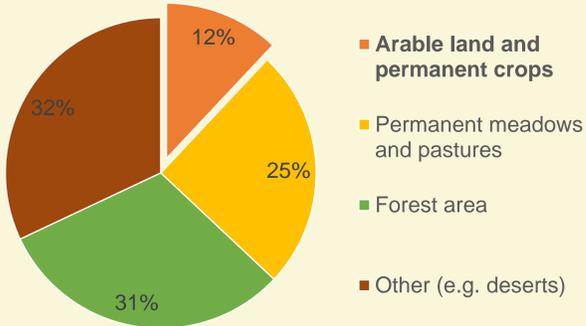


# The Global Field, 2000 m<sup>2</sup>

There are about 2000 m<sup>2</sup> available per person, when the global surface of arable land is divided by the global population.

## Initial situation

Fig. 1: Global land use by category  
(Data Land Use FAOSTAT 2014)



Only 12 percent (1.5 billion hectare) of global land is arable and can be used for food production.

$\frac{1.5 \text{ billion ha arable land}}{7.5 \text{ billion people}} \approx 2000 \text{ m}^2 \text{ per person}$

Everything a person needs per year must grow within 2000 m<sup>2</sup>, a fifth of a hectare.

- Food (wheat, rice, potatoes, fruits, vegetables, oil, sugar)
- Animal feed (that does not stem from meadows and pastures)
- Cotton and other fibres for clothes
- Bio-gas/diesel and other renewables

Fig. 2: Global area harvested (in million ha)  
(Data FAOSTAT 2009)

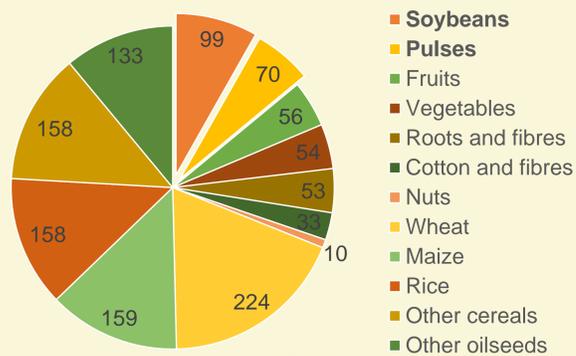


Fig. 3: If one 2000 m<sup>2</sup> field were to represent the global surface of arable land, what would be grown on it?

## Issues

Fig. 4: Negative EU land import/export ratio  
2007/2008 in million ha (Witzke/Noelppa 2010)

	Land imports	Land exports	Net land trade
Soy beans	19.24	1,71	-17.53
Coffee, cocoa, tea	6.72	0.44	-6.28
Other oilseeds	8.59	3.47	-5.12
Palm oil	2.61	0.05	-2.56
Fruits	3.31	0.95	-2.36
Vegetables	0.56	0.22	-0.35
Sugar crops	0.44	0.15	-0.29
Tobacco	0.54	0.31	-0.23
Wheat	2.57	3.28	0.71
Coarse grains	1.4	2.92	1.52
<b>TOTAL</b>	<b>48.99</b>	<b>14.10</b>	<b>-34.90</b>

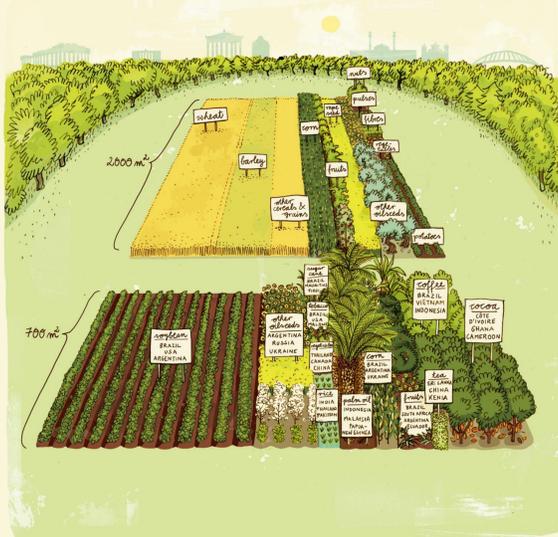


Fig. 5: Land grabbing - One third of the EU's arable land is imported, 700 m<sup>2</sup> for every EU citizen.

## Use of Crop Production

A limited percentage of global crop production is used for direct human consumption. A majority of crop production goes towards animal feed and energy purposes.

Fig. 6: Utilisation of the World Cereal Production (2.3 billion t) in 2016 (Data FAOSTAT)

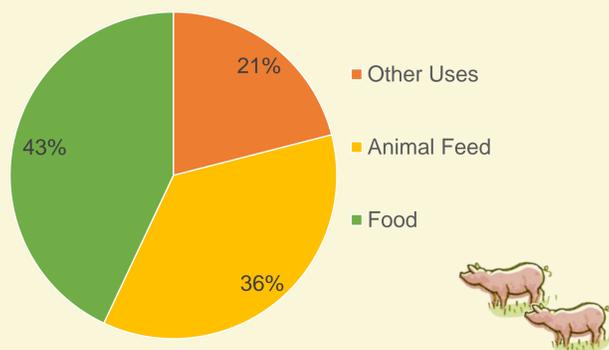


Fig. 7: A 2000 m<sup>2</sup> field could fatten two pigs for a slaughter weight of 115 kg.

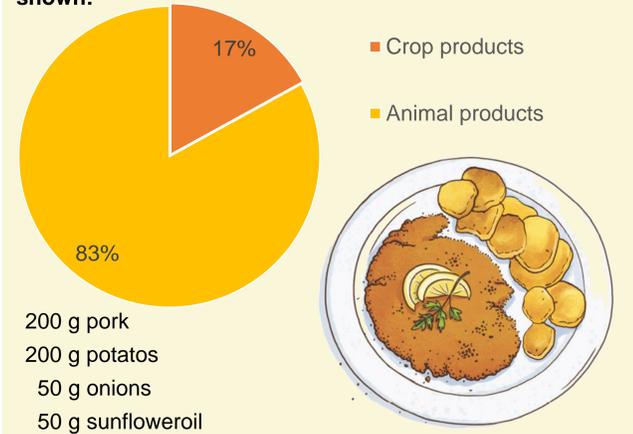
## Approach

The Global Field is an environmental education project located in Berlin cooperating with multipliers worldwide.



Fig. 8: On the Global Field crop plants are grown true to scale to illustrate the worldwide land consumption.

In addition, the area required for a variety of meals is shown:



- 200 g pork
- 200 g potatoes
- 50 g onions
- 50 g sunfloweroil

Fig. 9: Schnitzel with roasted potatoes: 2.16 m<sup>2</sup>



Fig. 10: A portion of Schnitzel with roasted potatoes grown at the Global Field at the IGA Berlin.

## The Global Field offers:

- Regular evening events and public debates on current topics
- Daily tours of the global field
- Educational events for classes and school trips
- Training/instructions/tutorials for multipliers
- The Global Field Club
- Info material and updates on website

„The Global Field“ Office in Berlin

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Further information: <https://www.2000m2.eu/wp-content/uploads/2000m2-Brochure.pdf>

