




# Climate Change and Food Security in the global south

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# Climate Change and Food Security in the global south

## Emissions and lifestyle

	Country	t CO <sub>2</sub> per person and year
	USA	19,4
	Germany	11
	Southafrica	7,5
	China	2,8
	Indonesia	1,2
	India	1,1
	Ghana	0,25
	Togo	0,22
	Kongo	0,046

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## Nutrition:

- ◆ Quality  
(ingredients  
carbohydrates,  
protein, fat, vitamins, ....)
- ◆ Quantity
- ◆ Safety



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Trends in nutrition:

- ◆ Meat from pigs and poultry
- ◆ Meat from cattle, goat and sheep
- ◆ Milk, butter, cheese,
- ◆ vegan and vegetarian people

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Trends in nutrition:

## ◆ Meat from pigs and poultry

1 kg meat needs 4 kg crop

- Loss of rain forest
- concentrated feed needs lot of agricultural space
- excrements pollution to the soil



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Trends in nutrition:

- ◆ Meat from cattle, goat and sheep
- ◆ Milk, butter, cheese,

Intensive production gives

- loss of rain forest
- concentrated feed needs lot of agricultural space
- excrements pollution to the soil and water
- CH<sub>4</sub>-emission (Methan)



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Trends in nutrition:

## ◆ vegan and vegetarian people

- Actual trends in europe
- needs good knowledge for a healthy diat



Vegan: no produkts from animals,  
no meat, no milk, no eggs, no fish

Vegetarion: no meat



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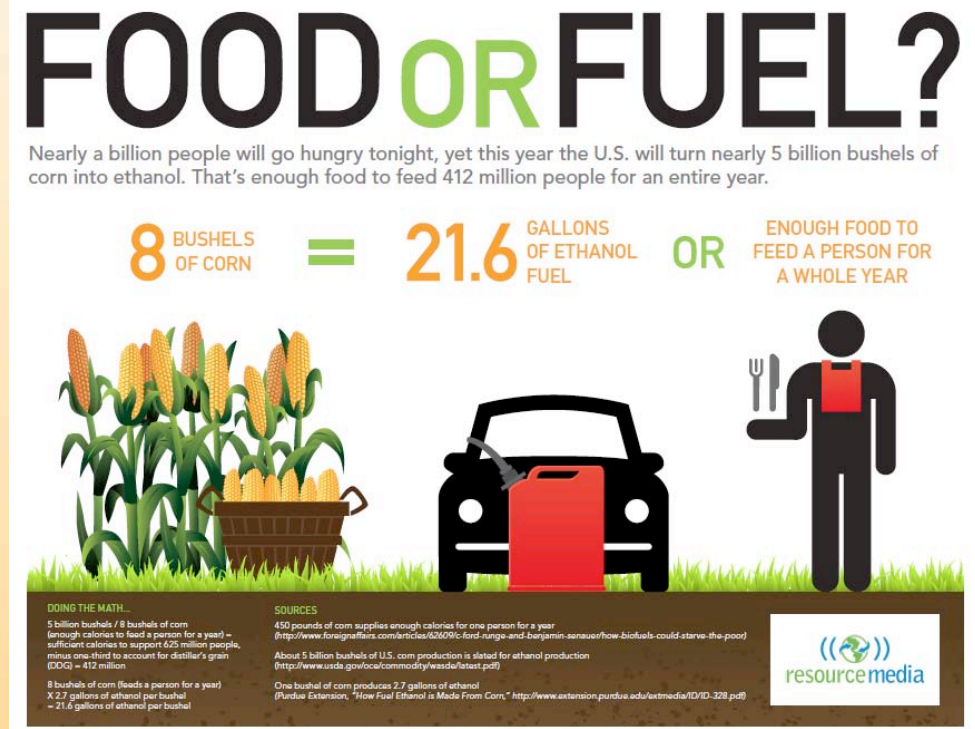
## Rivalry on the fields

FOOD

FEED animals

FUEL transport, energy, heating

FIBRE industrial resource



Ecological and fair for producers and consumers



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## Squandering of Food

Crop loss

Storage loss (humidity, insects, mice, ....)

Non eaten food

→ 50 % of the production



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## Global food security does not need genetic engineering!

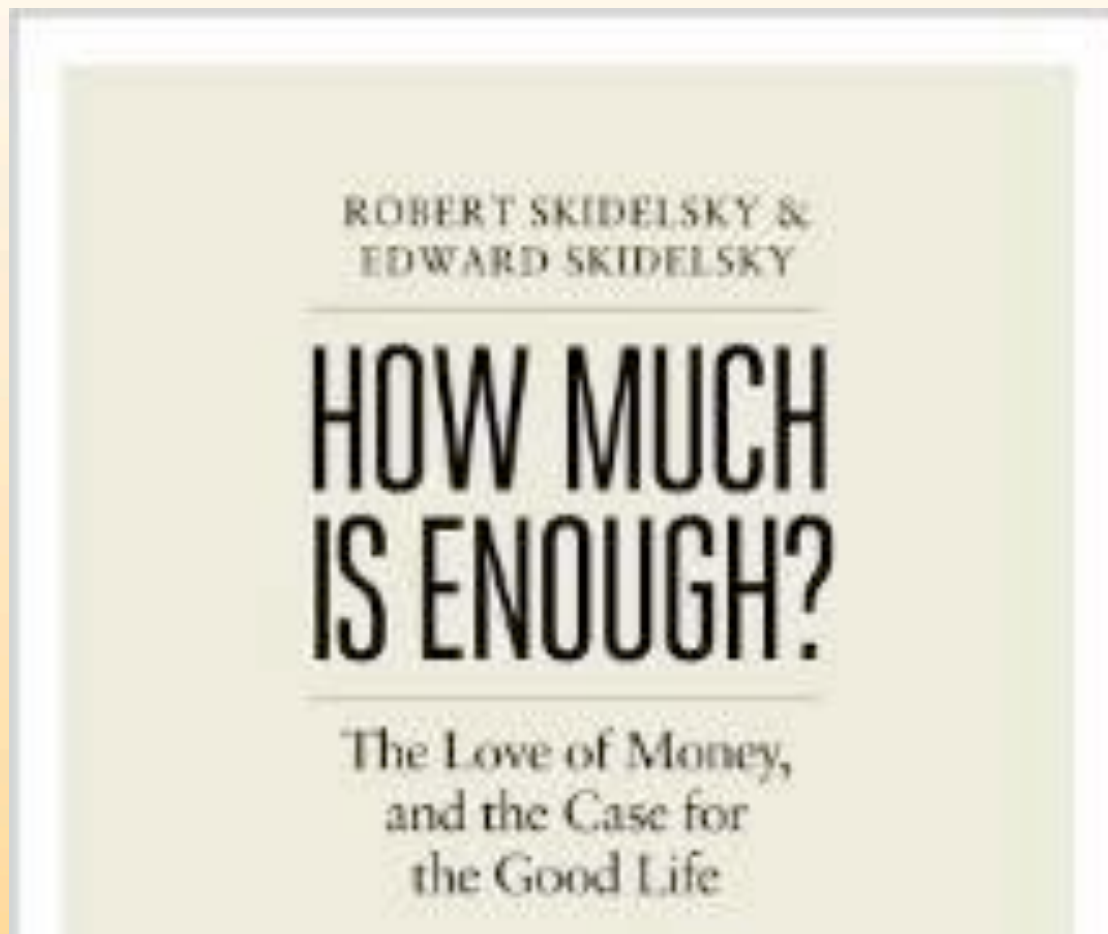
The arguments of the supporters are refuted

- **income of smallholders**
- **fewer pesticides through herbicide tolerance and insecticide-producing plants**
- **without health risks**
- **safe for seeds and agricultural biodiversity**



EN: [http://www.brot-fuer-die-welt.de/fileadmin/mediapool/2\\_Downloads/Fachinformationen/Aktuell/Facts\\_37\\_genetic\\_engineering.pdf](http://www.brot-fuer-die-welt.de/fileadmin/mediapool/2_Downloads/Fachinformationen/Aktuell/Facts_37_genetic_engineering.pdf)  
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How Much Is Enough?:  
The Love of Money,  
and the Case for a  
Good Life,  
By Robert Skidelsky  
and Edward Skidelsky

# Climate Change and Food Security in the global south

- ◆ Relationship with the Creator
- ◆ Christian Churches and their members are part of the normal world and society.
- ◆ Christians are responsible for the environment  
We have to take care for it (1.Mo, 1-2, Rom 8, ....).
- ◆ Responsible Care reasonable to use  
(John Calvin Instiutio + WARC, Accra,2004)
- ◆ Our daily decisions influence the world.

Church can and must

- ◆ be an example in the civil society
- ◆ act itselfs

**When I, as a christian, do the right thing it is the way to confess my faith.**

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*While the earth goes on,  
seed time  
and the getting in of the grain,  
cold and heat,  
summer and winter,  
day and night,  
will not come to an end.*

Gen 8,22

**Thank you for  
your attention**