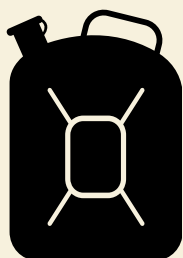


The Raging Elephant in the Climate Change Room

More than **50%** GHG emissions are related to industrial agricultural production, most of which is methane from animal husbandry and **nitrous oxide** from chemical fertiliser use.

Soil Not Oil Grain <http://www.economist.com/node/21679204>

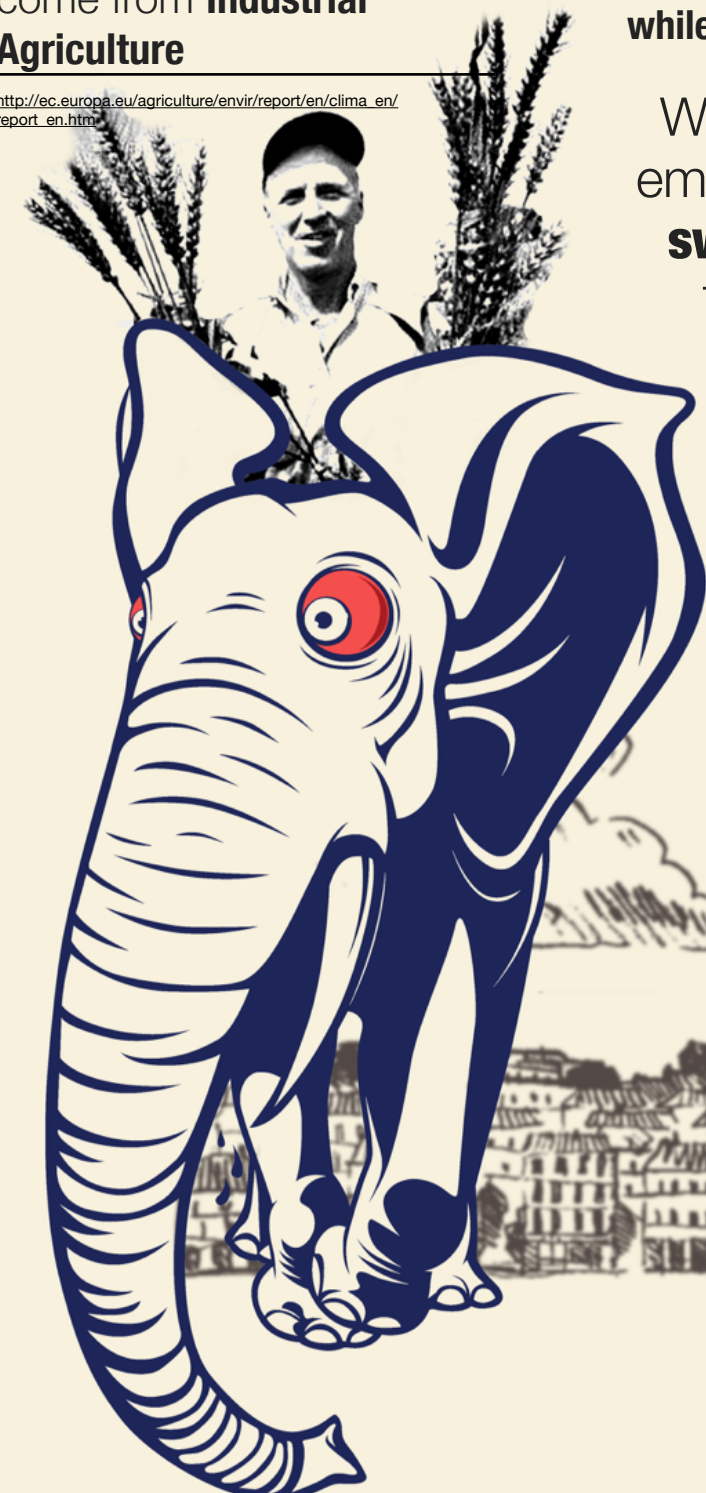


It takes the energy-equivalent of **2 litres of diesel** to make **1 kg** of synthetic nitrogen fertiliser

N₂O has roughly **300 times** the **Global Warming Potential** of CO₂ while **Methane** has roughly **20 times**. **Industrial Agriculture** is responsible for **67% of the N₂O** in the atmosphere. (IPCC - Fourth Assessment Report)

48% of CH₄ emissions come from **Industrial Agriculture**

http://ec.europa.eu/agriculture/envir/report/en/clima_en/report_en.htm



Ecological Agriculture - The Only Solution

We need to reduce stocks of atmospheric Carbon and return it to the soil - where it belongs. The only way to put CO₂ back in the soil is by working with biodiversity, farmers' seeds in farmers' hands, and ecological organic farming practices, away from fossil fuels and their derived chemicals. Adapting to climate change is only possible working *with nature*.

Organic farms sequester **550 Kgs Carbon per hectare per year** - 2018.5 Kgs CO₂ per hectare per year. **Adoption of current organic practices globally** has the **potential** to sequester around **10 Gigatonnes of CO₂ by 2020**.

Fossil Revolution

By promoting **Borlaug's dwarf varieties, bred for chemicals** and grown as monocultures, produce **less nutrition and sequester less carbon per acre while increasing emissions**.

By promoting **#FossilAgriculture** and **#BioPiracy Bill Gates** is the single **most powerful driver** of the **Climate Crisis** and **major force** in the **destruction of small scale ecological agriculture** - the **SOLUTION**.

We can **meet the 2-degree emissions gap by 2020** if we **switch** globally from fossil fuel intensive **industrial #fossilagriculture** to **organic**

False Solutions

#1 Climate Smart Agriculture (CSA) is an extension of the fossil fuel intensive industrial model of agriculture - directly responsible for more than half the climate crisis. Industrial varieties, even hybrids, require chemical fertiliser use. #fossilAgriculture

#2 GMOs and Biopiracy Climate resilience cannot be engineered into GMOs. GMOs are based on the biopiracy of farmers varieties. **Syngenta** attempted to pirate **22,972 Indian rice varieties**. in 2004, **Monsanto's** biopiracy patent on **Indian Wheat**, of Indian Melon, Brinjal and even the gene for it's patented **BT technology**. The **5 Gene Giants** have **1,500 Biopiracy based patents on climate resilient crops**

<http://www.livemint.com/Home-Page/TidET8fQhioG0CwaSlicl/Monsanto-battles-biopiracy-claims.html>

#3 GeoEngineering could quadruple atmospheric carbon dioxide levels

levelshhttp://www.wired.com/2012/07/geoengineering-climate-change/

#4 Carbon Trade destroying the living carbon in soils worldwide by using nitrogen fertilisers and other chemicals, and then trading it will make soil and climate data another commodity farmers must buy from corporations like **Monsanto**

#5 Carbon reductionism falsely equating living carbon - which is life and which must grow - with dead fossilised carbon - which must be kept underground!



Green Carbon (Organic matter) is not substantially equivalent to fossilised carbon.



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