

A close-up photograph of a green grasshopper perched on a bright yellow flower. The grasshopper is positioned on the right side of the frame, facing left. The flower has multiple petals, some in sharp focus and others blurred. The background is a soft, out-of-focus green. A semi-transparent grey box is overlaid on the left side of the image, containing the title and date.

FOOD, CLIMATE & RESILIENCE

26TH SEP. 2013, C.L.

A green grasshopper is perched on a bright yellow flower. The background is a soft-focus green. Several realistic water droplets of various sizes are scattered across the image, some on the flower petals and others in the upper left corner. The text 'FOOD, CLIMATE & RESILIENCE' is overlaid on the left side in a bold, black, sans-serif font.

FOOD, CLIMATE & RESILIENCE

26TH SEP. 2013, C.L.



Temperature

CO₂

Rainfall

Pests

Disease

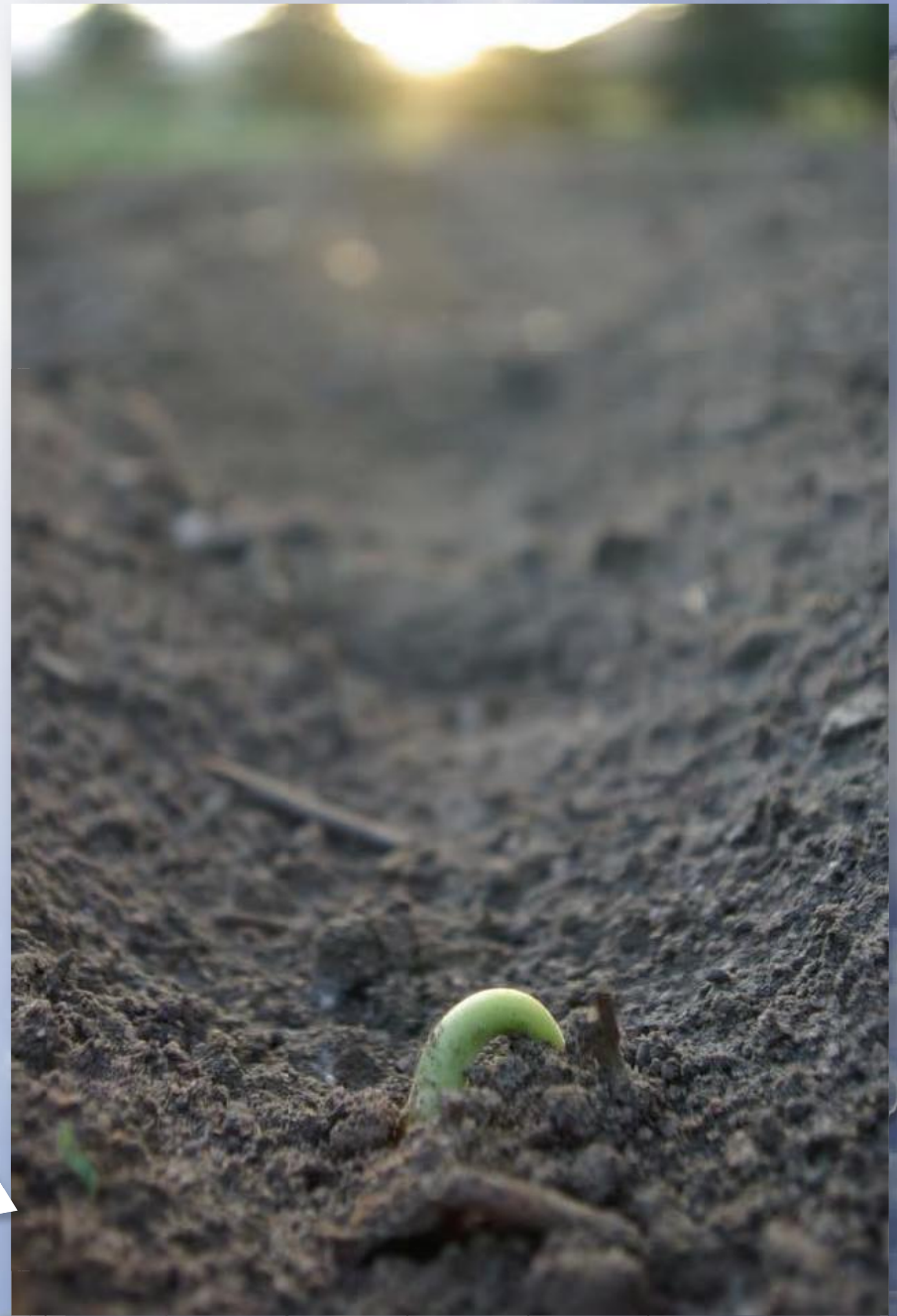
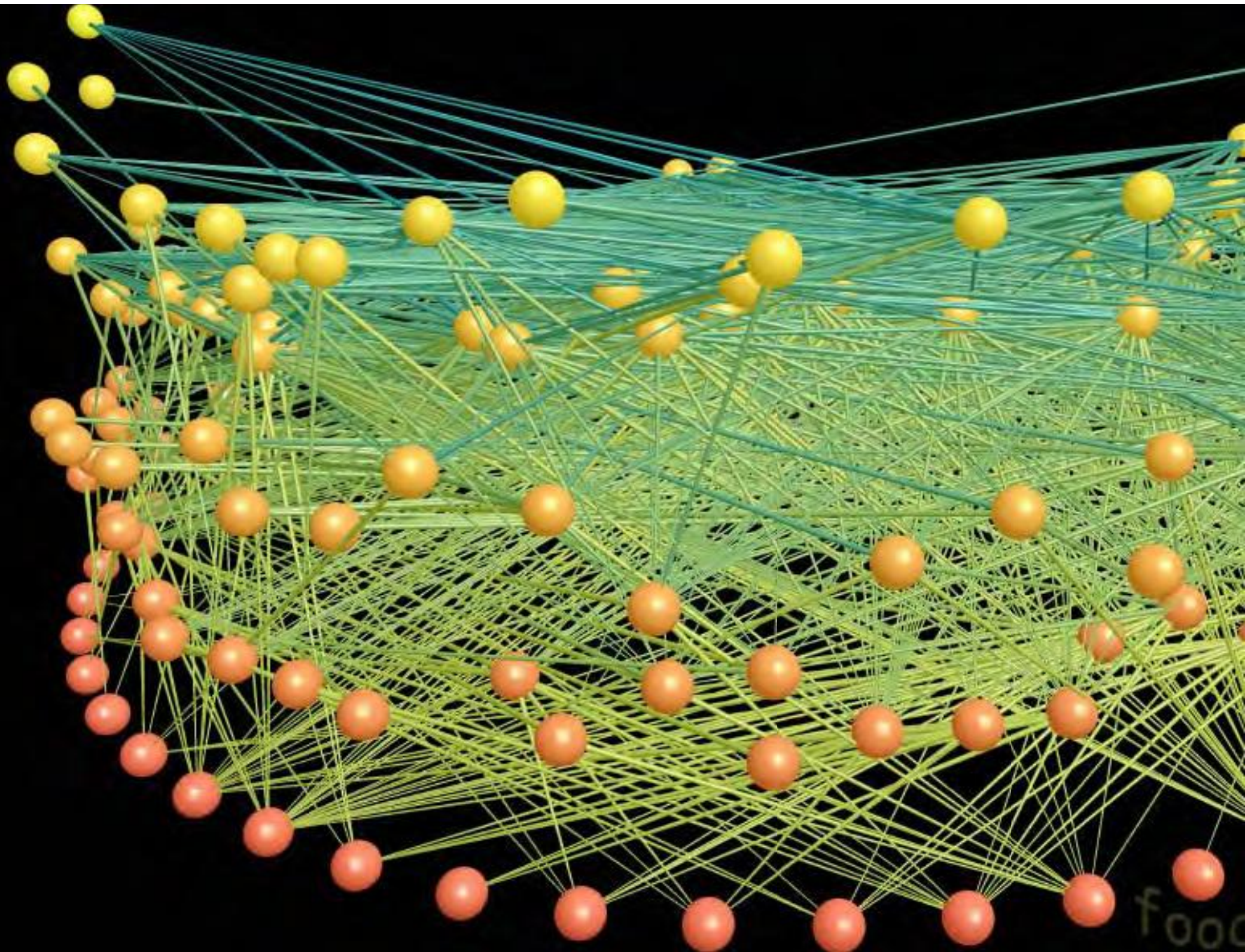




photo © Ryan Johnson

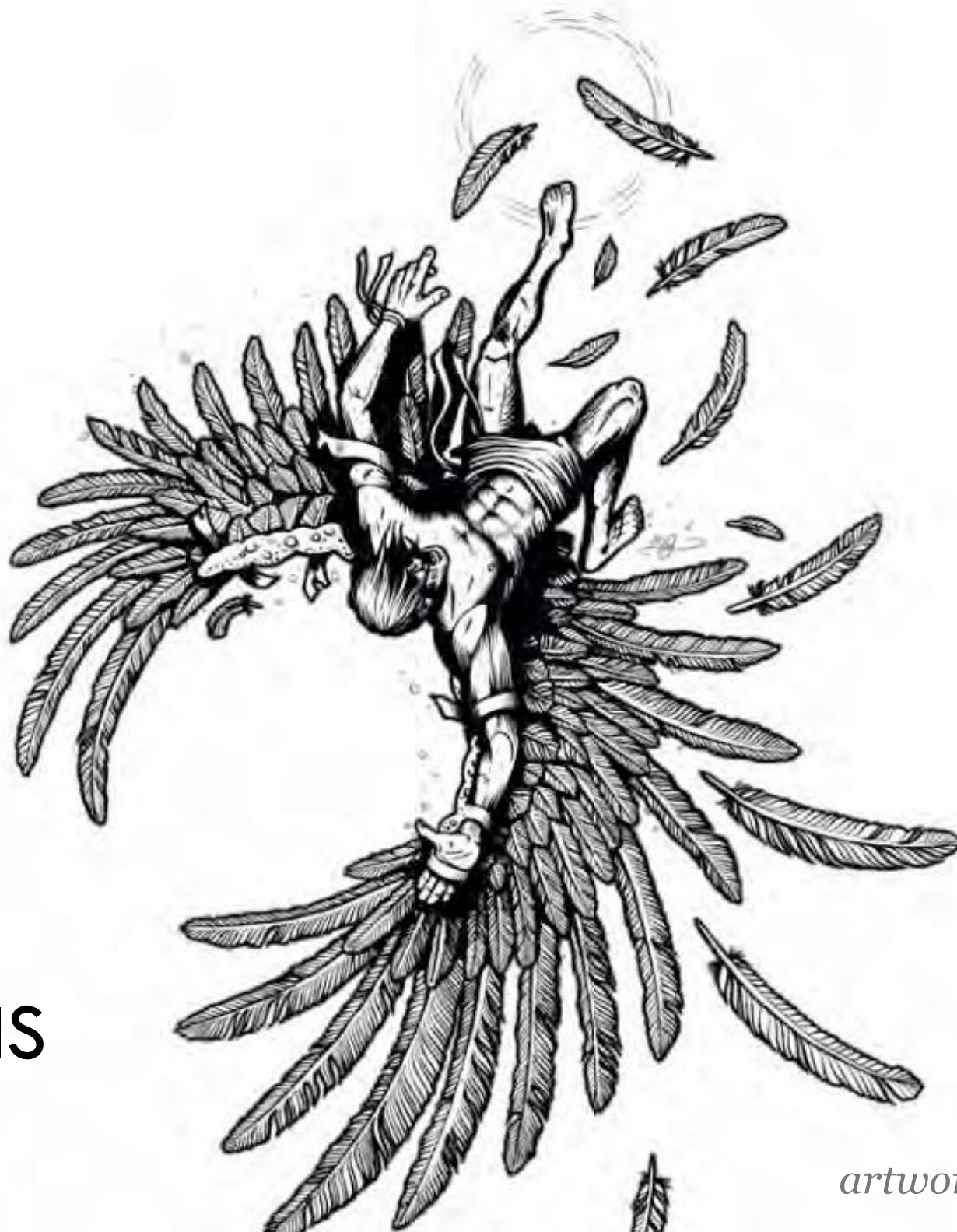






food

HUBRIS

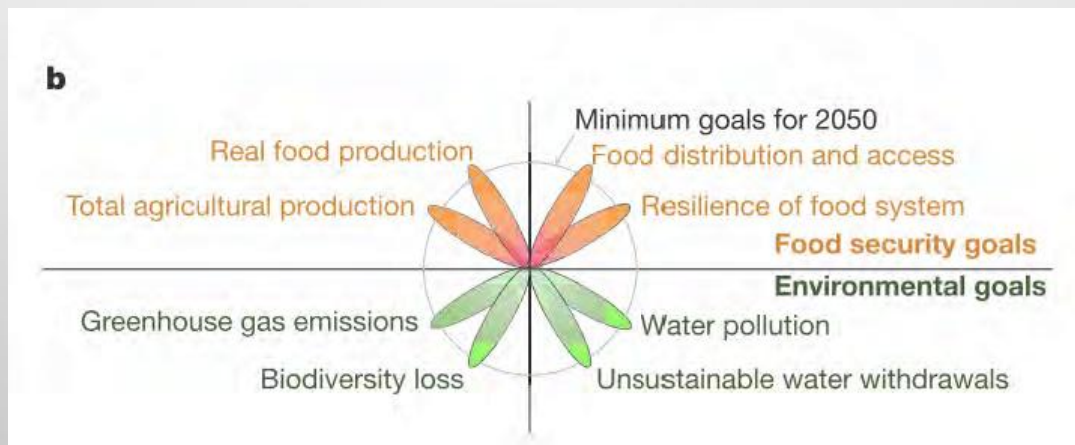
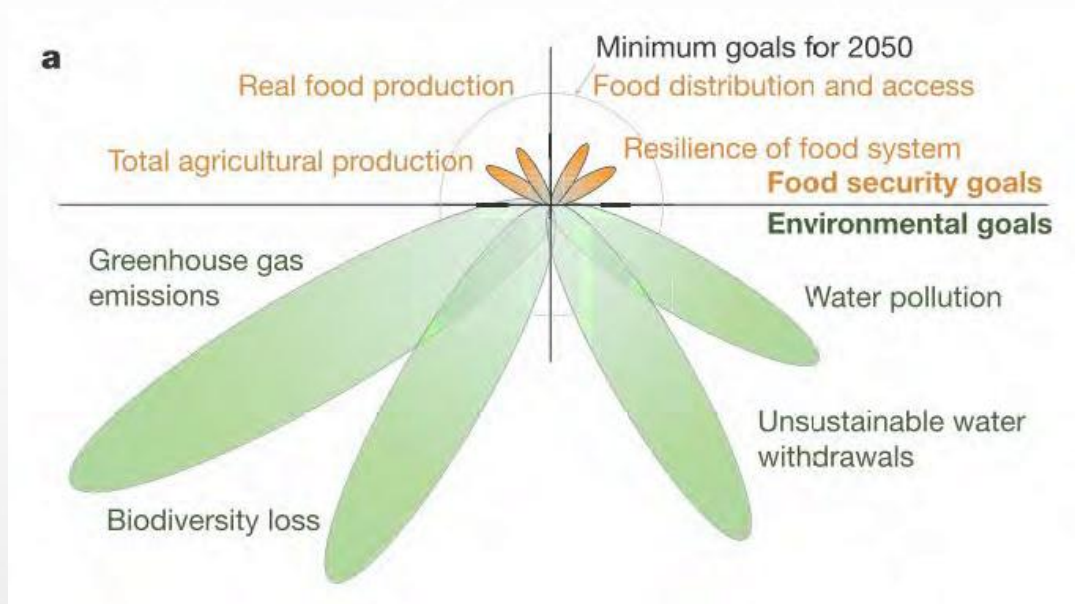


artwork by Adi Gilbert

THE CHALLENGE

Feeding nine billion people in a truly Sustainable way will be one of the greatest challenges our civilization has had to confront. It will require the imagination, determination and hard work of countless people from all over the world. There is no time to lose.

(Foley et al. 2011)



**Food
Production**

***Environ.
Damage***

**Food
Access**

**Food
Production**

***Environ.
Damage***

**Food
Access**



Practices

- Grow food!
- **Crop diversification**
- Buffers
- Woodlands
- Water use

Community rehabilitation Plan	FRAMEWORK	<ul style="list-style-type: none"> • Shared vision • ID Network • Macro-indicators 	WHY
OCP Official Community Plan	MEAT of POTENTIALS	<ul style="list-style-type: none"> • Policies and regulations • Maps • Targets • Goals 	WHERE WHAT WHEN
GOING law	IMPLEMENTATION Tool	<ul style="list-style-type: none"> • Softwares • Height • Land use • Density 	HOW

Policy

- Area Agriculture Plan
- **Food system planning**
- OCP review



Discourse

- Educate
- Facilitate informed discussion
- Identify rhetoric
- **Desmog the square**

← **ENABLING OPPORTUNITIES** →

#1: DIVERSIFY

A close-up photograph of a yellow flower with two insects. A large green grasshopper is on the right, and a smaller grey insect is on the left. The text is overlaid on the bottom left of the image.

↑ Food production
↓ Pest management costs

#2: ENABLE

ICSP Integrated Community Sustainability Plan	FRAMEWORK	<ul style="list-style-type: none">• Shared vision• ID Network• Macro-Indicators	WHY
OCP Official Community Plan	MEAT ≠ POTATOES	<ul style="list-style-type: none">• Policies and regulations• Maps• Targets• Goals	WHERE WHAT WHEN
ZONING Bylaw	IMPLEMENTATION TOOL	<ul style="list-style-type: none">• Setbacks• Height• Land use• Density	HOW

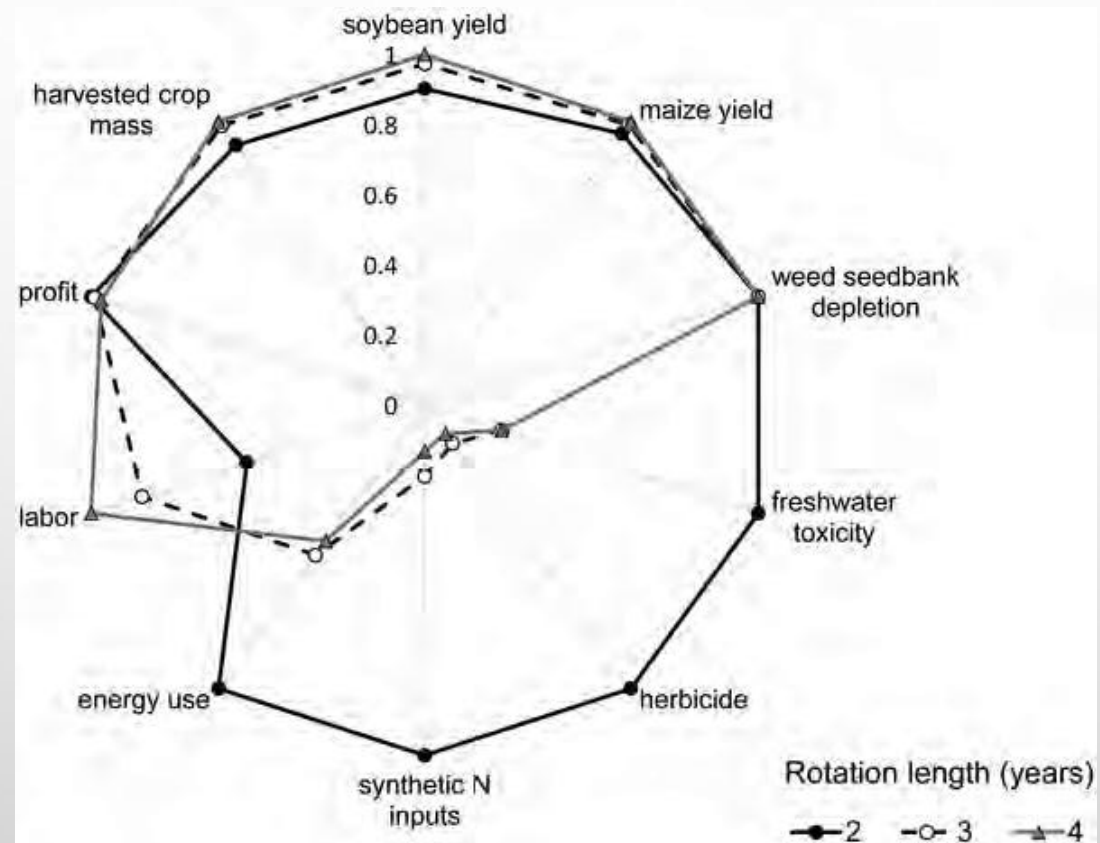
#3: DESMOG





THE END.

FIGURE 3. MULTIPLE INDICATORS OF CROPPING SYSTEM PERFORMANCE.



Davis AS, Hill JD, Chase CA, Johanns AM, et al. (2012) Increasing Cropping System Diversity Balances Productivity, Profitability and Environmental Health. PLoS ONE 7(10): e47149. doi:10.1371/journal.pone.0047149
<http://www.plosone.org/article/info:doi/10.1371/journal.pone.0047149>