



EU CAP Network workshop  
'Enhancing food security under changing  
weather patterns: farm adaptation'

14 - 15 March 2023, Bologna | Italy



Funded by  
the European Union

Workshop: 'Enhancing food security under changing weather patterns:  
farm adaptation' | 14-15 March 2023 | Bologna, Italy



# Increasing resilience through a systemic approach agroforestry, water management, mob grazing

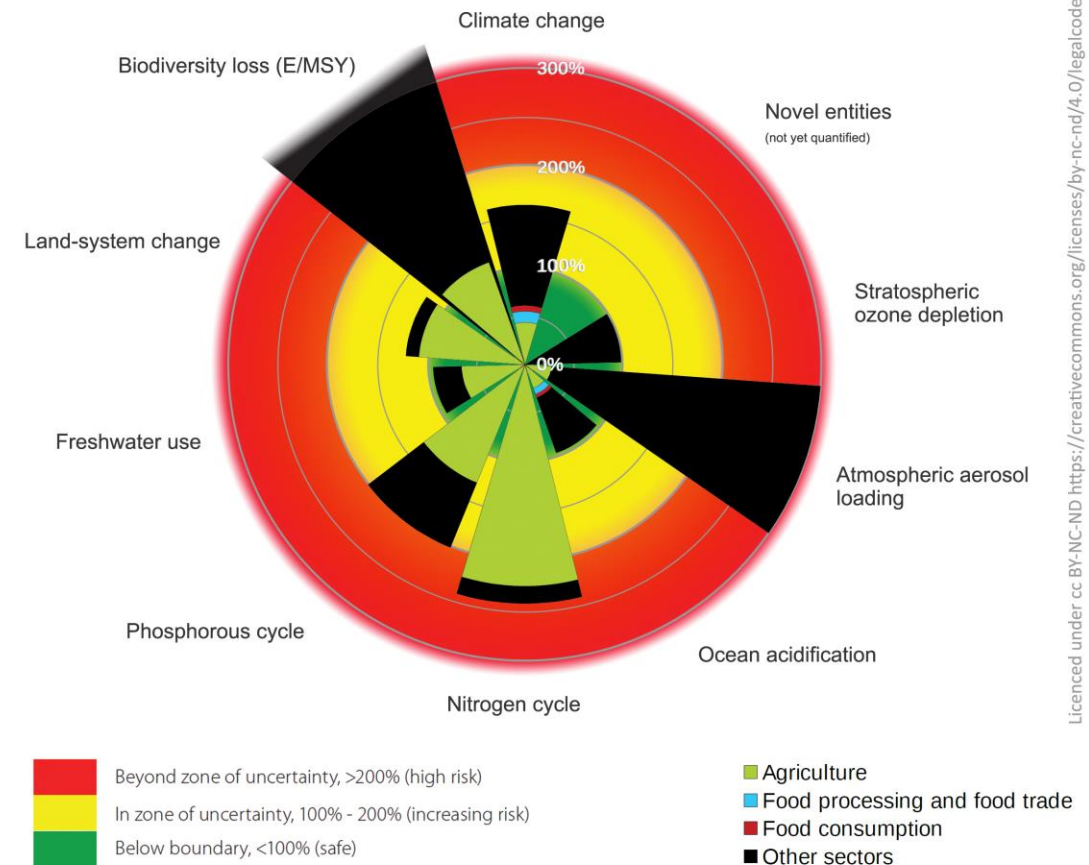
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# Our challenges- multiple crisis

- Climate change (mitigation/adaptation)
- Water cycle
- Energy crisis
- Biodiversity loss
- Soil loss (51 harvests left)
- Social/economic crisis



# Systemic approach- multiple functions

- Food
- Energy
- Material (Bioeconomy)
- Soil fertility
- Ecosystemic functions  
(water cycle, habitat,...)



Credit: Richard Dunst

- Land Equivalent Ratio (productivity)
- Ecosystemic functions (water, erosion, habitat)
- Resilience (diversity, economic)



Credit: Richard Dunst

- Soil (1% humus/400 000l/ha)
- Vegetation (agroforestry)
- Structural (key line, water retention, etc.)



<http://crkeyline.ca/what-is-keyline-design/>

- Short duration/high density grazing
- Longer grass recovery period
- Soil, water, health



Credit: Richard Dunst

# Key Learnings

- **Integrate** (Intensification)
- **Diversify** (Resilience)
- **Circulate** (make local use)



<https://www.permaculturenews.org/2015/07/24/how-to-build-a-swale-on-contour-successfully/>



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All information on the workshop is available  
on the **[EU CAP Network website](#)**

On the event webpage: **[https://eu-cap-network.ec.europa.eu/events/eu-cap-network-workshop-enhancing-food-security-under-changing-weather-patterns-farm\\_en](https://eu-cap-network.ec.europa.eu/events/eu-cap-network-workshop-enhancing-food-security-under-changing-weather-patterns-farm_en)**