



# NATURE-BASED SOLUTIONS TO FOOD SECURITY

DR. GRETCHEN WALTERS  
GLOBAL FOREST AND CLIMATE CHANGE PROGRAM

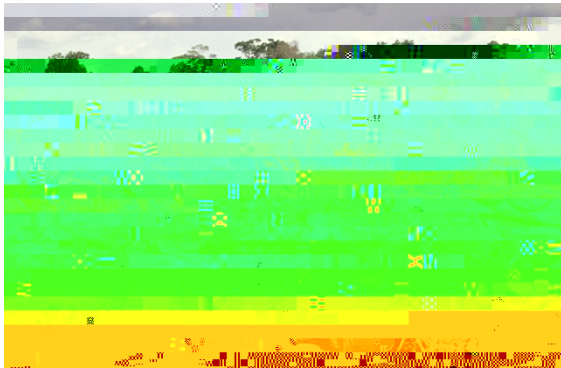


# FORESTS AS A COMPLEMENT TO OTHER INTERVENTIONS



# INSTITUTIONAL AND THEMATIC SILOS ACT AS A POWERFUL OBSTACLE

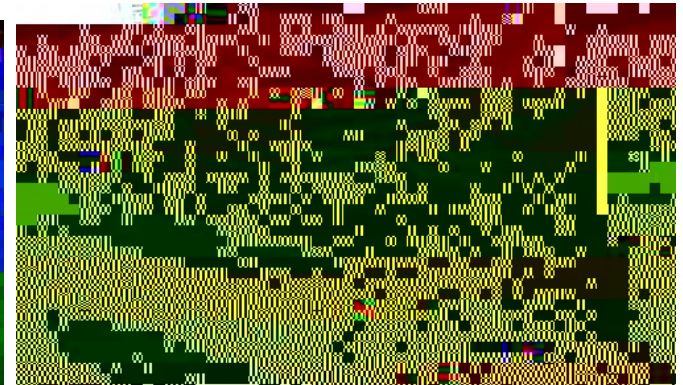
Climate change will undermine the resilience of hundreds of millions of rural livelihoods but global responses tend to concentrate on individual aspects only:



Avoid deforestation



Breed better, more resistant plants



Conserve and better manage soil & water

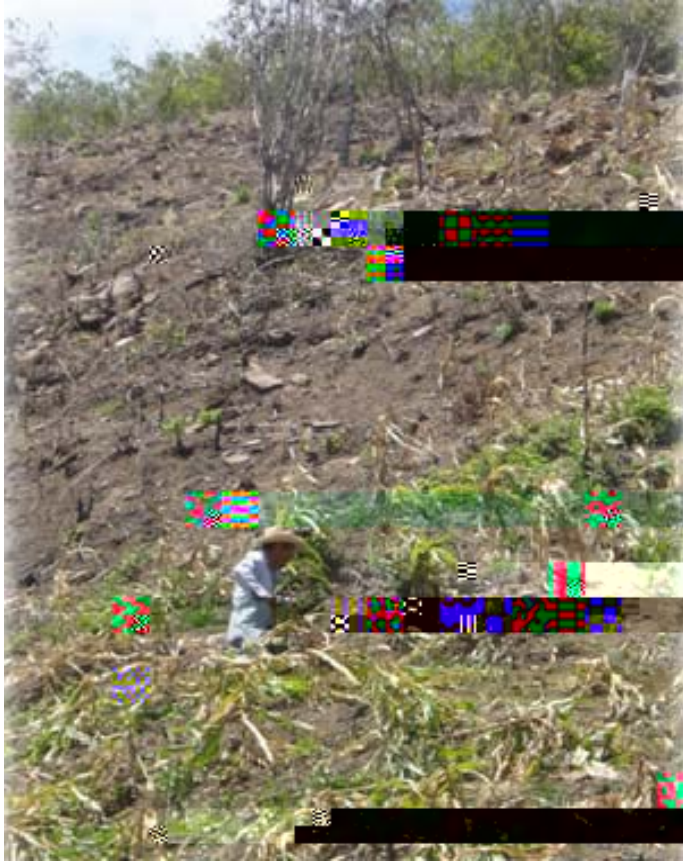




# Enhancing food security through traditional agroforestry in the dry forests of Guatemala:

## *Kuxur Rum*





Before



and



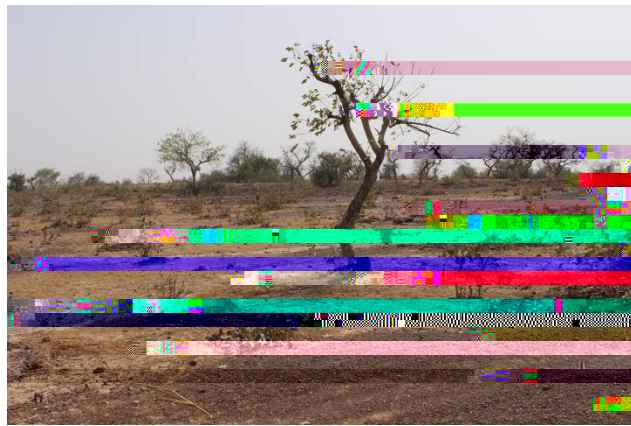


# Restored forest lands & smallholder food security— Burkina Faso



(Case study by CIFOR)





BEFORE

AFTER



# CONCLUSIONS

- \* Restoration of farm land can increase yields and diversify crops
- \* Focusing on local solutions to climate uncertainty can help farmers to adapt
- \* Forest landscape restoration as a nature-based solution which contributes to food security

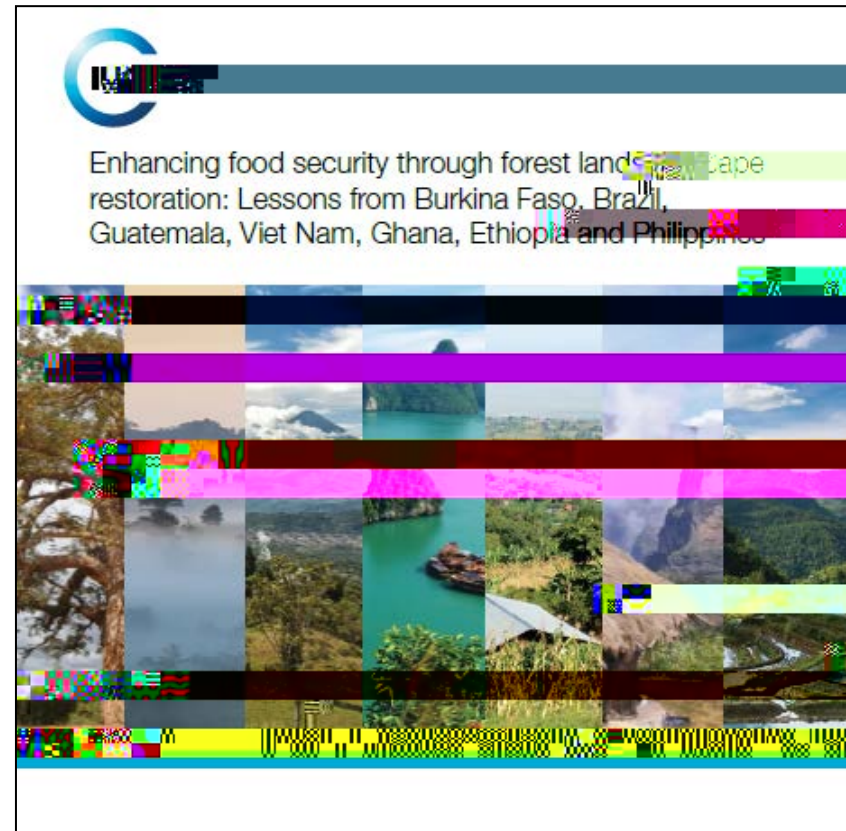


# Case study contributors

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- Guatemala: José Artemio Ramírez Maradiaga, Alberto Bigi, Baltazar Moscoso Caminade of FAGG Guatemala

For full case studies:

<https://portals.iucn.org/library/node/45774>



THANK YOU