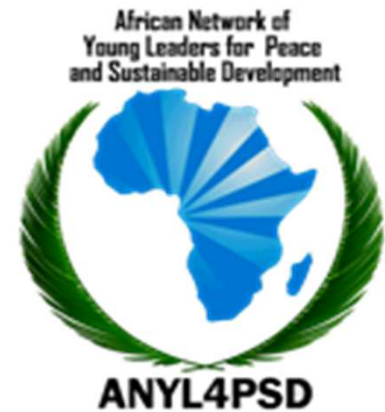


ANYL4PSD
REGIONAL TEACH-IN ON
CLIMATE JUSTICE
12-13 May 2022

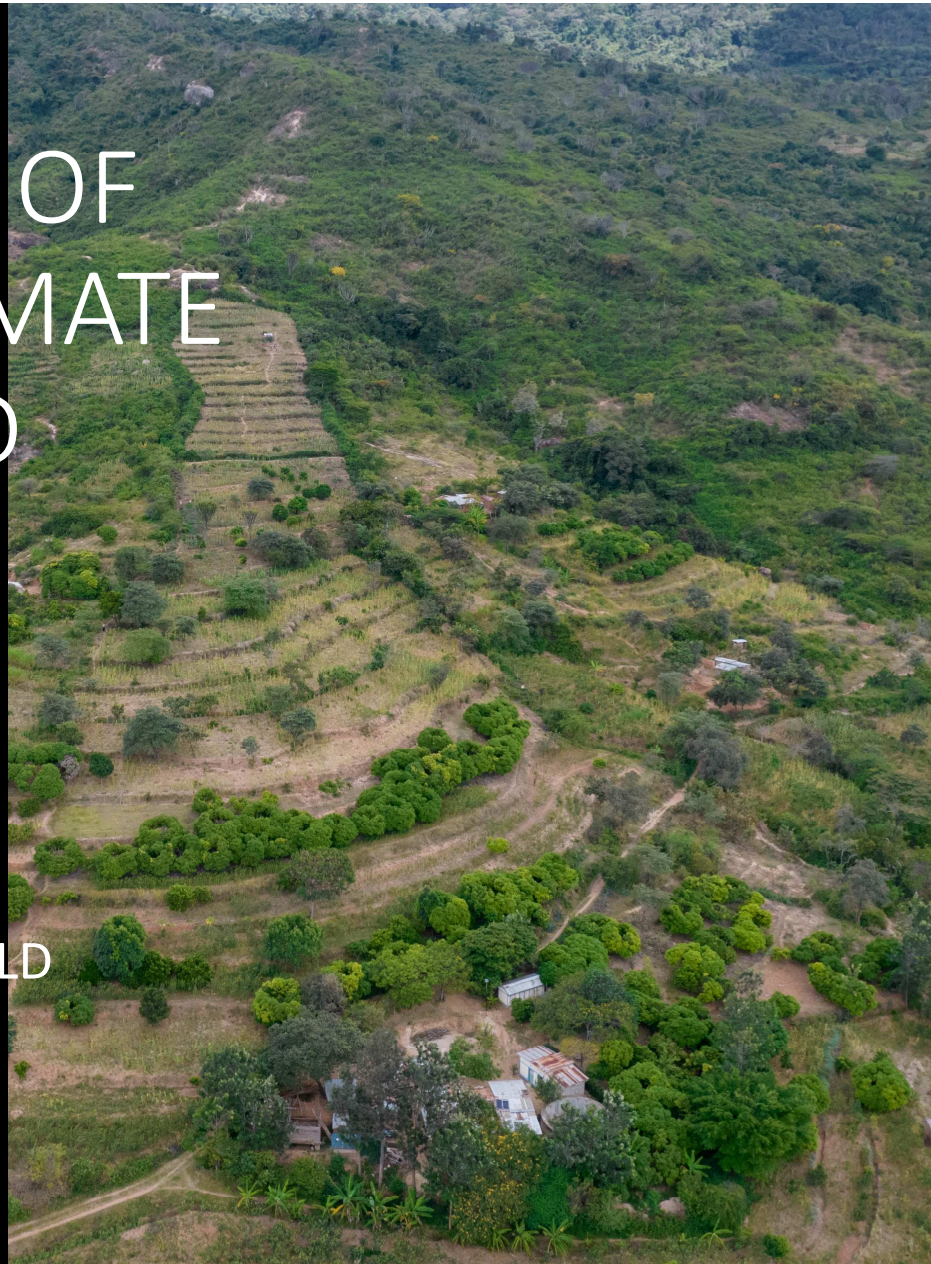


CONTRIBUTION OF AFR 100 TO CLIMATE RESILIENCE AND ADAPTATION

GEORGE OKWARO

RESTORATION ASSOCIATE WORLD
RESOURCES INSTITUTE

AFRICA REGIONAL OFFICE.



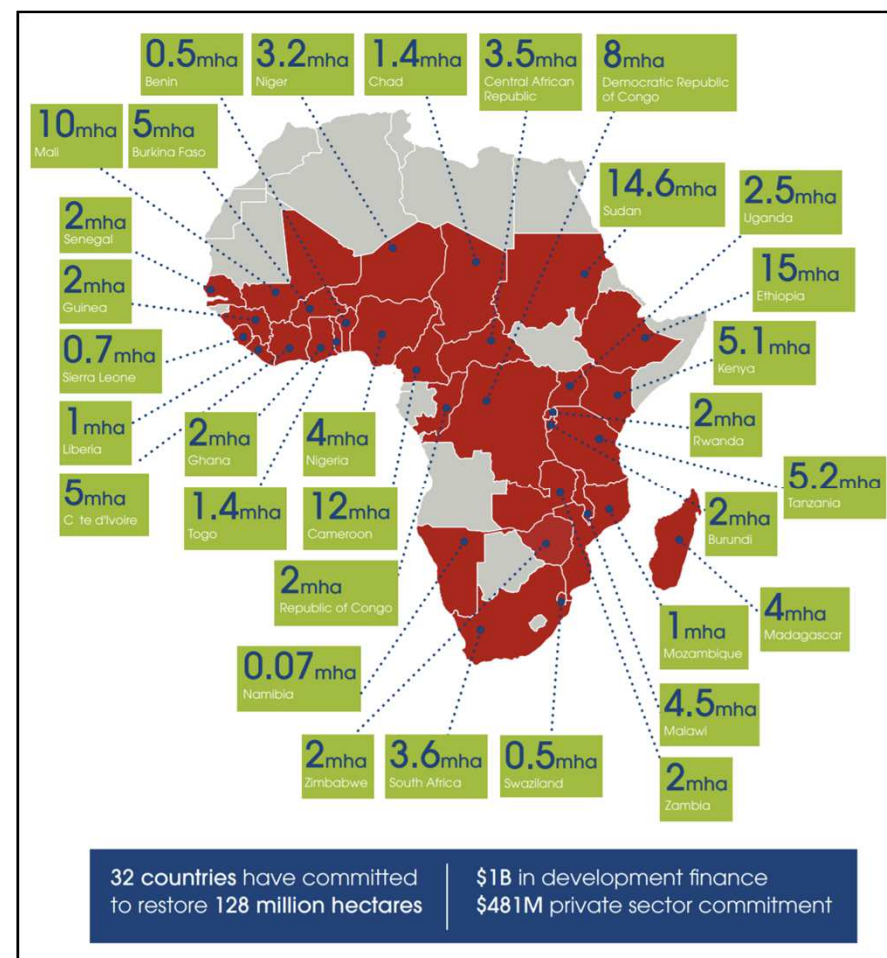


OUTLINE

- Introduction to AFR 100
- The land degradation challenge
- Understanding Forest degradation
- Degradation and Climate change
- Restoration as an opportunity
- Personal reflections
- Youth-the opportunity.

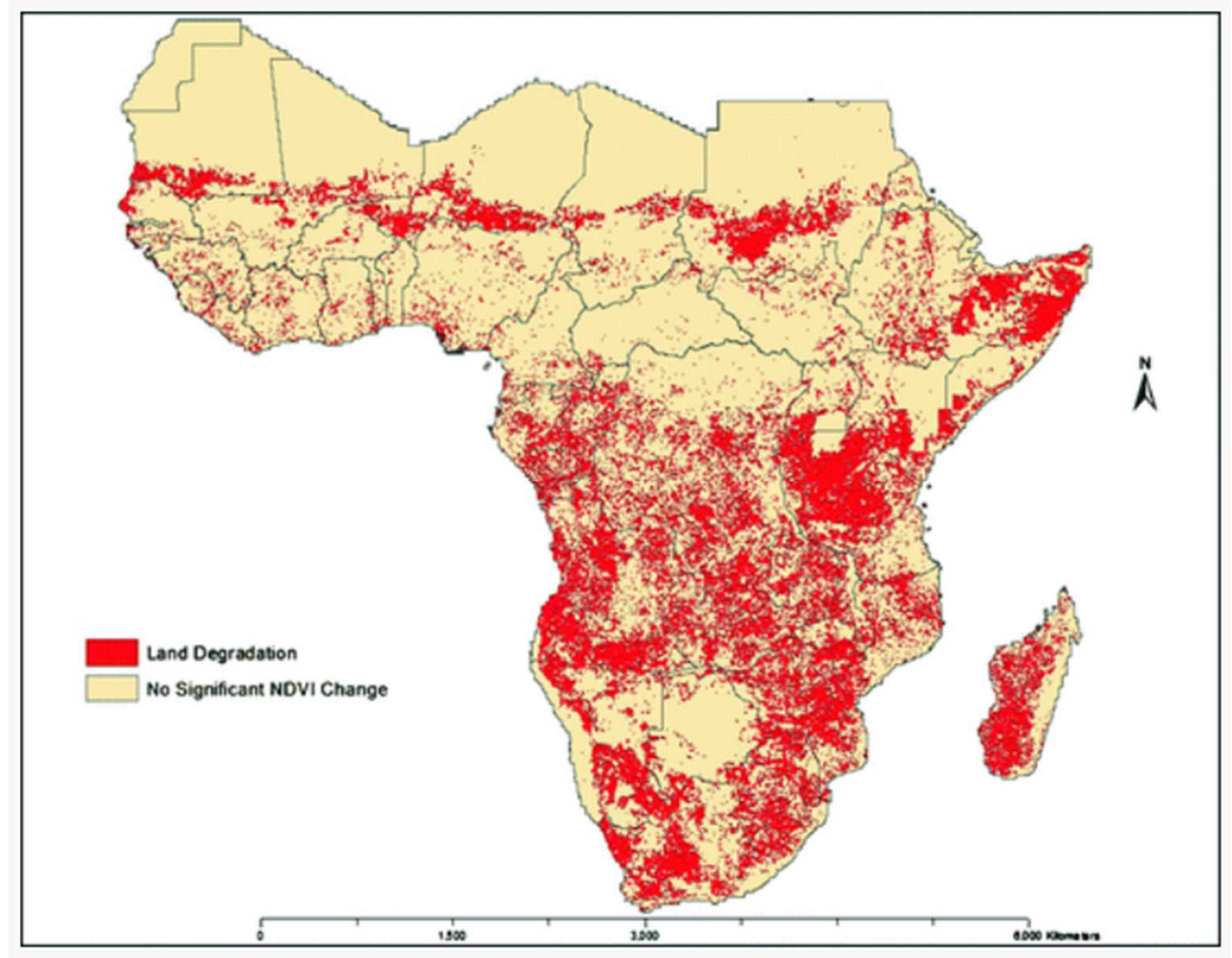
AFRICAN FOREST RESTORATION INITIATIVE (AFR100)

- **AFR100 Secretariat** house at AUDA-NEPAD mandated to manage day-to-day operations of the initiative
- **32 Country Focal Points** and AFR100 national chapter translating the 129 Mha committed into strategies and workplans
- **Management team** – intermediate governance structure, comprised of WRI and other partners, mandated to advise and support the secretariat
- **45 technical and financial partners** – responding to country requests for assistance to unblock barriers to FLR implementation



AFRICA HAS THE WORLD'S MOST DEGRADED LAND

- **65%** of Sub-Saharan Africa's arable land is becoming too damaged to support robust food production (Montpelier Panel, 2015)
- **28%** of all lands in Sub-Saharan Africa are being actively degraded today, costing \$56 billion annually (Center for Development Research, 2018)



Source: Nkonya et al, Economics of Land Degradation in Sub-Saharan Africa, https://link.springer.com/chapter/10.1007/978-3-319-19168-3_9

LAND DEGRADATION IS A GLOBAL CRISIS



33%

of agricultural
soils moderately
to severely
degraded



1/3

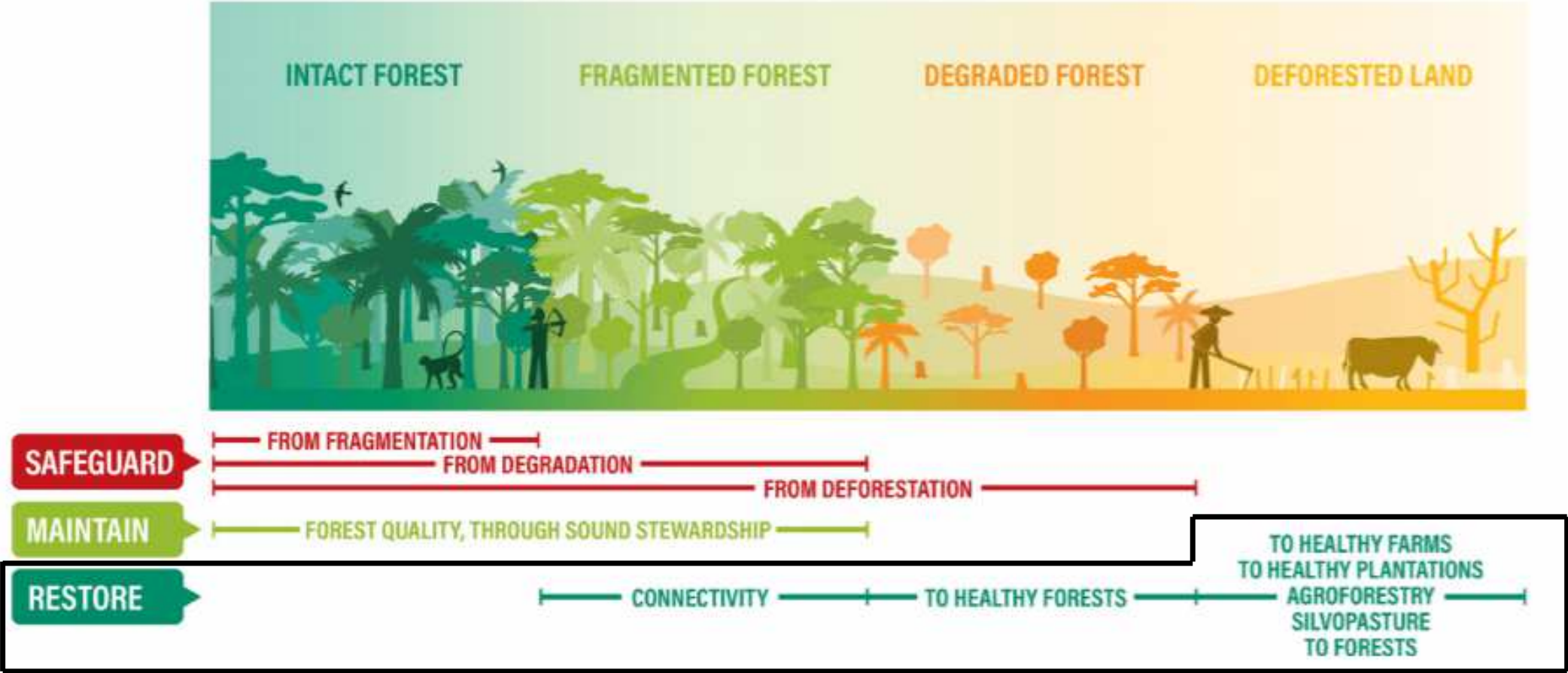
of all people
affected by land
degradation,
especially the poor



48%

of forests lost
or degraded

Understanding Forest degradation.



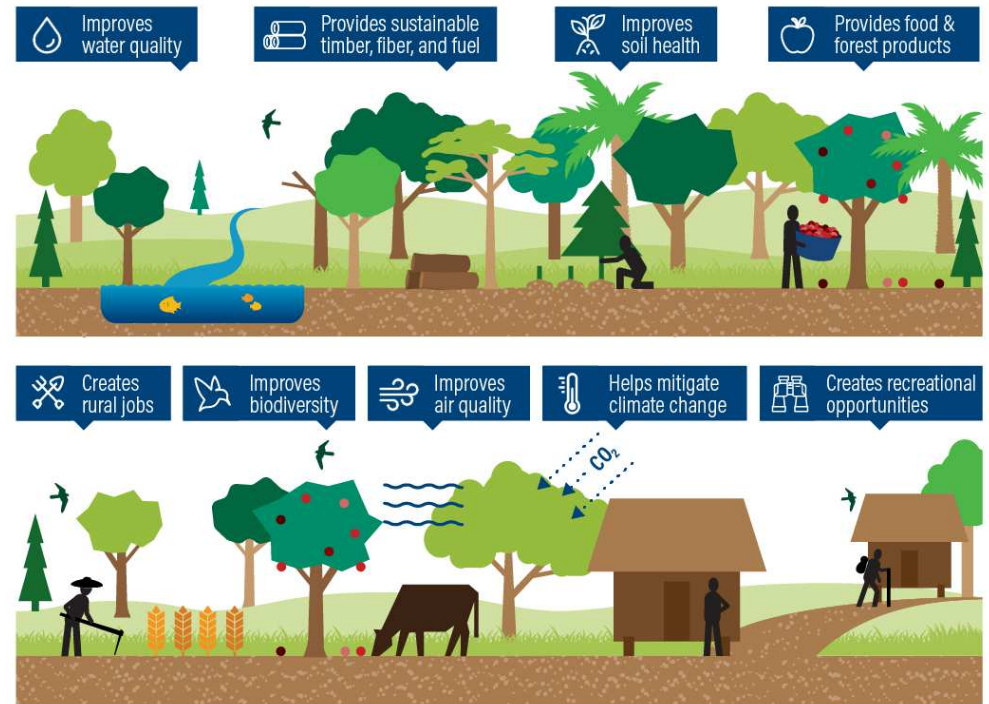
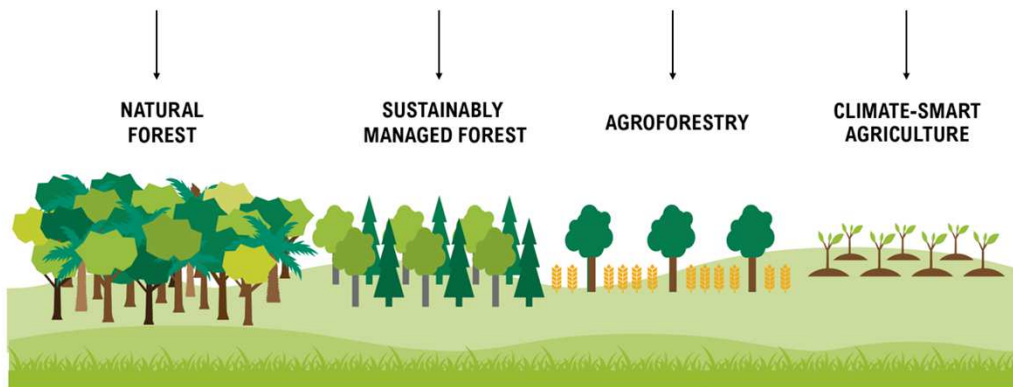


Degradation and Climate Change

- Reduced agricultural productivity
- Increased greenhouse gases
- Increased chances of natural disasters'- landslides
- Altered macro-climate
- Loss of biodiversity –reduced coping ability/resilience
- Increased vulnerability

RESTORATION AS AN OPPORTUNITY

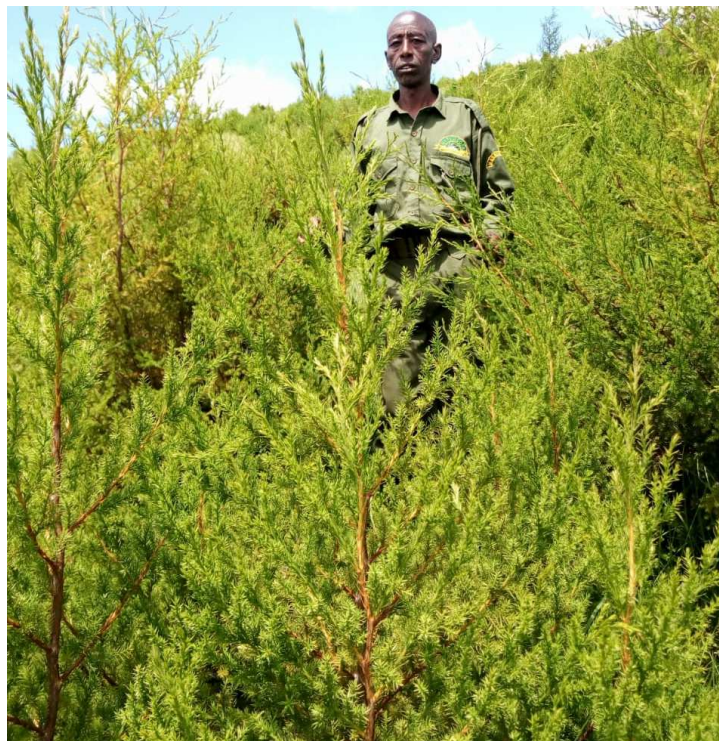
Multiple approaches within productive landscapes deliver multiple benefits





Restoration and Climate action

- **Resilience aspects of restoration**
 - Micro-climate for increased productivity
 - Regulate water flows; streams, ocean tides etc.
 - Amelioration of air
 - Increased biodiversity and nutrient cycling
- **Adaptation aspects of Restoration**
 - Restores pasturelands reduces conflicts
 - Diversified food streams
 - Cooling against heatwaves
 - Landslides control reduces migration and related challenges



Personal reflection

- A hobby translated into a career then passion
- Middle photo one my works 5 years ago restoration of Mau forest complex Kenya
- 1st and 3rd photo with my friends, planted 1,823 trees (tamarind, and pine in River Nzoia catchment using tangya system. 05/06/2022.



Youth: The opportunity

- The Climate crisis at tipping point
- Forms bulk the of population
- The best timing to transform landscapes
- Information era/technology
- Growing evidence of uncertain bleak future



- THANK YOU
- ASANTE
- MERCI