Bioenergy: the overlooked contributor to the 1.5°C climate objective

Sustainable wood energy as a contribution to Forest Landscape Restoration

Dr. Tiziana Pirelli
Dr. Cisco Aust
Objective
Building or strengthening synergies between modern wood energy & FLR realms

- **Initiative 20x20**
  - 2014
  - Latin America and Caribbean

- **afri100**
  - 2015
  - Africa

- **ECCA30**
  - 2019
  - Europe, Caucasus, Central Asia

**BONN CHALLENGE**
150 Mha by 2020
350 Mha by 2030
Sustainable practices along the value chain as opportunities for synergies between WE & FLR

**Transition towards modern wood energy systems**
- Preserve biodiversity
- SFM practices
- Forest planning
- Add value to waste and residues of woody industry;
- reduce losses;
- enhance efficiency;
- promote FFPOs;

**Support alternative, local and short bioenergy value chains**
- Alternative biomass;
- Improved feedstock;
- Alternative bioenergy value chains.

**Woody biomass supply**

**Biomass pre-treatment**

**Bioenergy production and use**

**Add value to bioenergy by-products**
Modern bioenergy is not a "one size fits all" solution

National dialogues among Wood Energy & FLR stakeholders performed in Togo and Ghana

Feasibility studies and long term monitoring are key
IKI project: Forest Landscape Restoration through a sustainable wood-energy value chain in Ghana

2/3 of rural population depend on wood-energy
~ 2 Mill. tons of charcoal production per year

One main driver for deforestation in Ghana

Project

Increase sustainable management
Increase biomass resources
Reduce demand on energy wood
Good practices and lessons learned are accessible to all on the web

**Working paper:**
International dialogues on FLR and wood energy. Preliminary outcomes from multi-stakeholder consultations in sub-Saharan Africa.

**Interactive sessions and Webinars:**
1. Positive Relationships between Sustainable Wood Energy and Forest Landscape Restoration;
2. Climate-Smart Biochar Systems: opportunities and challenges;
3. GLF Bonn 2018: Contribution of a sustainable wood energy production approach to FLR in Sub-Saharan Africa (SSA);
4. GLF Accra 2019: 3rd Dialogue on FLR and Bioenergy.

**Video:**
https://www.youtube.com/watch?v=FniFP-5dYtc
Thank you!

Contact us:

Dr. Tiziana Pirelli,
Global Bioenergy Partnership (GBEP)
Food and Agriculture Organization of the United Nations
GBEP-Secretariat@fao.org

Dr. Cisco Aust, GIZ Ghana, cisco.aust@giz.de
GIZ Ghana: https://www.giz.de/en/worldwide/324.html