




Activities on Sustainable Energy in Sub-Sahara-Africa of the Austrian Development Agency (ADA)

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Austrian
 Development Cooperation

Content of this Presentation

- Strategic and organisational context
- ADA Energy Programs
 - SOLtrain: solarthermal demonstration and capacity development program in Southern Africa
 - EEP: Energy and Environmental Partnership in Southern and Eastern Africa
 - ECREEE: ECOWAS centre for RE and EE
- Perspectives

Main goals of Austrian Development Cooperation

Austrian Development Cooperation (ADC) supports partner countries in their sustainable social, economic and democratic development.

ADA is the operational unit of bilateral Austrian Development Cooperation

Main goals of ADC:

- Reducing global poverty
- Safeguarding peace and human security
- Preserving the environment and natural resources



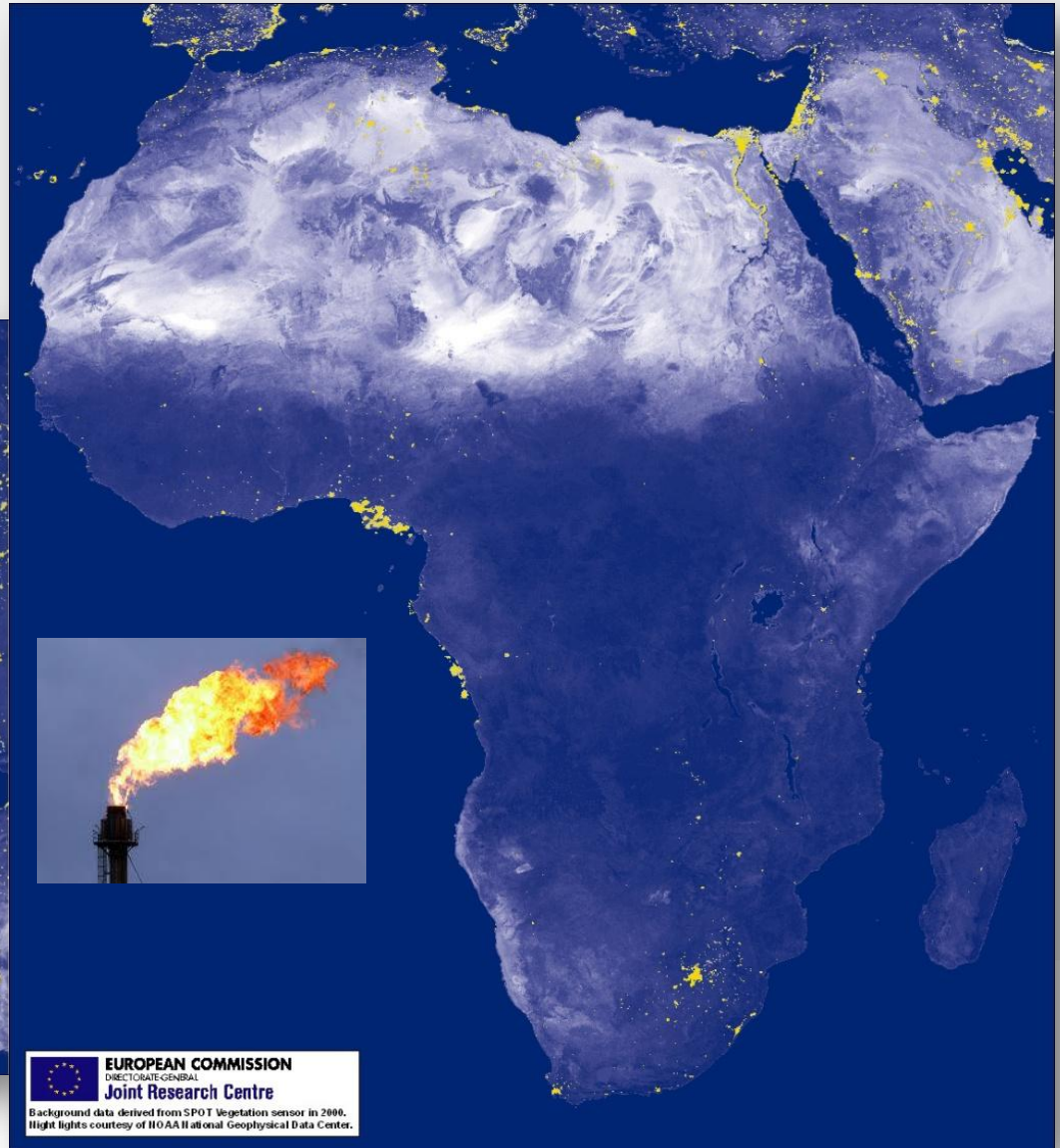
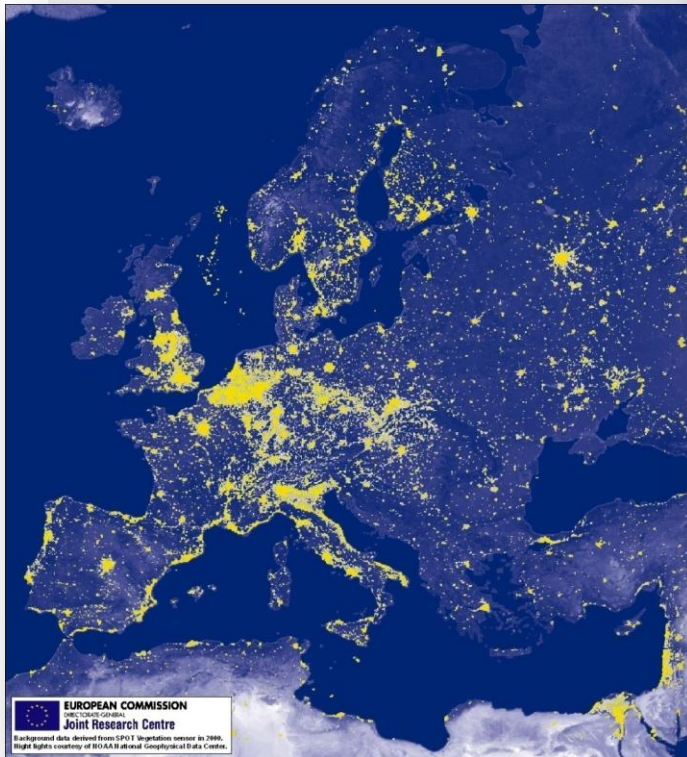
Sustainable Energy in ADA

Access to safe and healthy sustainable energy services

ADA assists partner countries through

- Promoting their local energy potentials in a sustainable way
- Analyzing and removing barriers against renewable energy
- Strengthening political framework & environmental awareness
- Offering capacity building and (vocational) training
- Initiating know-how and technology transfer
- Introduction of new technologies (pilot projects)
- Business partnerships

Europe and Africa: Lighting and Gas Flaring



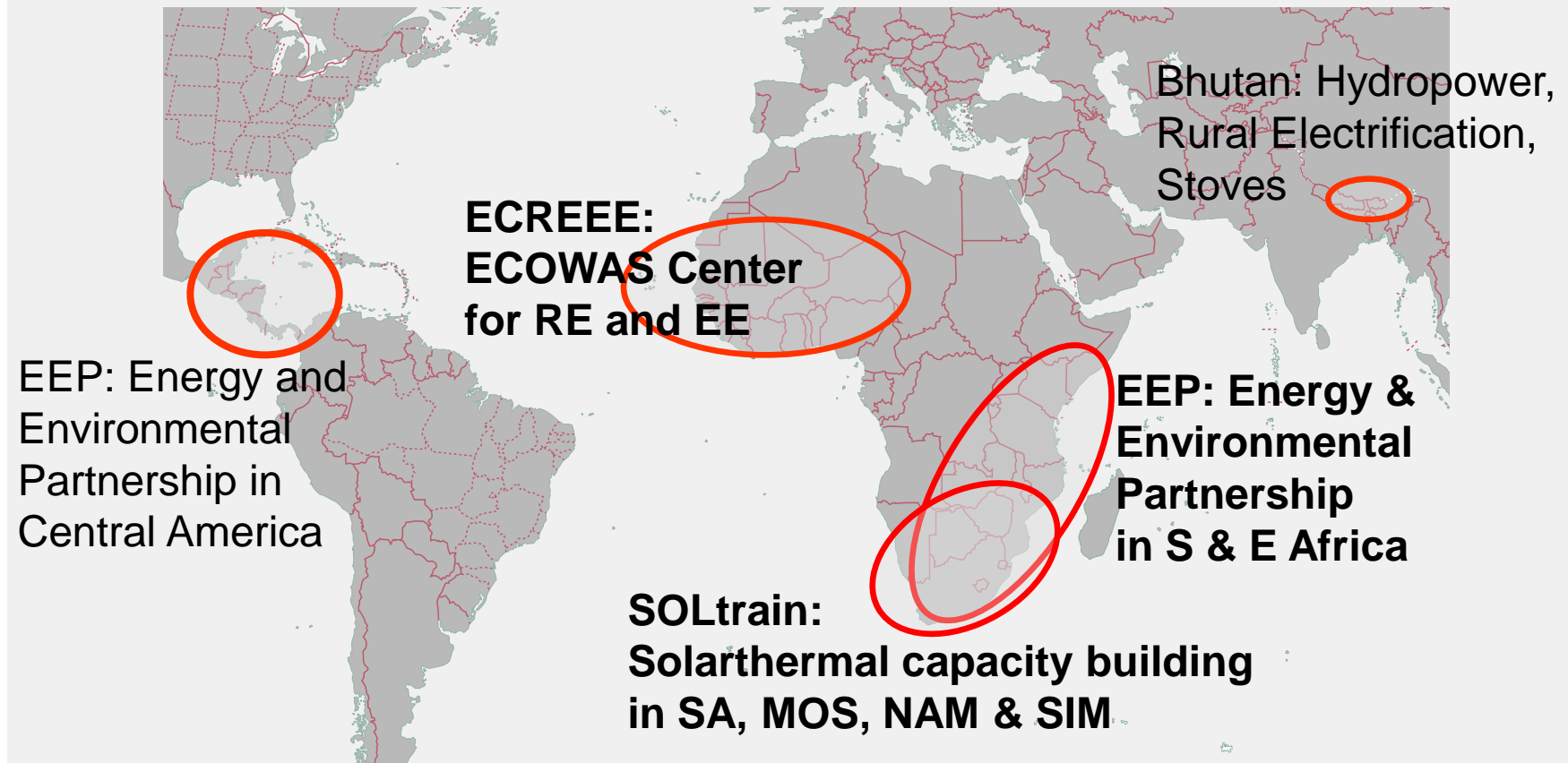
Energy Challenges in Sub-Sahara-Africa

- Lack of access to low cost, safe, efficient energy services
- National budget constraints caused by import of fossil fuels
- High economic costs of power outages (1-4% of BIP)
- Affordability, safety of energy solutions often not adequate
- energy tariffs for the poor and higher income (progressive)
- Appropriate and efficient technologies not widely used:
 - RE: Hydro Power, Biogas, Solar thermal energy
 - EE: Low energy & Plus energy Buildings, efficient cooking & lighting

Women and Access to Energy

- Women bear main burden of providing and using biomass energy for cooking - women spend hours for collecting biomass e.g. fire wood
- Cooking energy cause often negative health and safety impacts
- Situation made worse by fuel scarcity
- Women need modern and efficient energy sources to improve their work and life both within and outside the home
- improved access to energy enables increased income generation from micro-enterprises.
- Energy policies shall help women to escape energy poverty

Map of renewable energy programs of ADA



SOLtrain: Solar Thermal program in Southern Africa

- Six year program 2009 – 2015 funded by ADA
- Partners: Universities and regional solar association in 4 countries SA, MOS, NAM, ZIM
- Demonstration systems of solar thermal water:
 - > 110 social institutions as schools, hospitals, SMEs
- Solar Thermal Technology Platforms and Centres of Competence to expedite the transition to RE economy

EAP: Energy and Environmental Partnership in Southern and Eastern Africa

- Promotes renewable energy, energy efficiency and clean technology investments
- Five calls for pilot projects and feasibility studies
- 11,5 Mio EUR committed to 79 projects
- Access to sustainable energy for 216.000 people

Three Donors:

- Ministry for Foreign Affairs of Finland
- Austrian Development Agency
- DFID

13 partner countries in Southern and Eastern Africa
Managed by Regional Coordination Office at DBSA

ECREEE: Close North - South - South Cooperation

Close South-South Cooperation with and amongst 15 West African states:

- ECREEE as facilitator for knowledge exchange and know how transfer (policies, legal frameworks, action plans, technology)
- Countries learn from each other
- Capacity building for RE, EE, access, policy tools and financing
- International financial resources:
 - Bilateral: ADA Austria, AECID Spain, Germany, France etc
 - Multilateral: UNIDO, EU, EUEI PDF, GEF, World Bank, REEEP etc

Success factors for a long term and effective regional centre?

- Strong ownership and mandate by regional institution
- Political consensus regarding the need for a centre
- Close cooperation with national focal institutions
- Proactive and international team
- Dynamic leadership with good relations to political decision maker
- Open learning and cooperation platform
 - Intensive South South cooperation
 - Intensive North South South cooperations
- Continuous international visibility

Perspectives of Cooperation

- Cooperate with ECREEE financially and with TA in a next phase
- EAC and SADC interested in energy centres
- ADA ready to support a feasibility study in EAC
- Financial support to GFSE (Global Forum on Sustainable Energy) to organize two validation workshops with SADC and EAC in 2013
- launch of new African energy centres 2013 ?



Thank you
Merci beaucoup
Muito obrigado

