



GFSE

GLOBAL FORUM on
SUSTAINABLE ENERGY



How to make the capacity of stakeholders work for sustainable energy access - - Guiding Principles and Considerations

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ENERGY IS AN ENABLING FACTOR

- **Replacing human and animal labour with more convenient and efficient sources of energy**
- **Provision of energy is not an end in itself, but an important tool**
- **Energy programs should contribute to achieve the MDGs**



Nicaragua, La Laguna HPP, 60kW, 200l/sec, 47m, 55 fam, 5.5 km grid

ENERGY SERVICES SHOULD BE DEMAND-SIDE DRIVEN

- **Development must deal with the entire energy chain**
- **Meeting end users multiple needs for services being sustainable, environmentally friendly including supply security**
- **Inadequate supply may constitute a bottle neck for development in other sectors**



BALANCE UNEQUAL ACCESS TO ENERGY SERVICES

- Disparities between different income groups, men and women, rural and urban areas
- Growing population and urbanisation put pressure on biomass resources
- Major impact due to lack of sustainable management of wood and charcoal
- Exploitation of wood is exceeding sustainable level and causes environmental degradation



SAFEGUARDING AND INCREASING ENERGY EFFICIENCY

- Efficient use leads to improvements in energy intensity – to be ensured also in LDC countries
- Efficiency is beneficial for individuals and the economy as a whole



INDIVIDUAL AND NOT TECHNOLOGY DRIVEN SOLUTIONS

- **Development goals are not technology driven**
- **The full menu of options has to be applied - leads to tailored solutions**
- **Projects & programs to be screened for lifetime indicators**
- **Renewable energies mostly more attractive than typical technology of choice**



SOCIAL AND ECONOMIC BALANCE

- **Projects and Programs should apply mechanisms which combine financial sustainability with affordability of services while focusing on revenue generating activities**
- **Importance of upfront cost to enable switching to better fuels**
- **Encourage socially balanced energy policies including subsidies**



CREATION OF AN ENABLING ENVIRONMENT

- The ongoing restructuring of the energy industry represents a window of opportunity to address energy for development in national policies.
- Large scale market reforms not earlier in place than structures for rural areas
- **Activities should include sustainability criteria**
- **Capacity building to overcome barriers**



COMBINE ACCESS TO ENERGY WITH ADDITIONAL INCOME

- Access activities should go hand in hand with stimulation of income generation
- The private sector should anchor the scaling up, since public finance cannot meet all needs
- Incorporate private sector promotion strategy and income generation strategy for the poor



OWNERSHIP AND GOOD GOVERNANCE (NATIONAL INTEGRATION)

- Priority is given to countries and regions having a clear energy policy based on political ownership, commitment to Good Governance and prioritisation of poverty alleviation
- PRSPs and bilateral donor programs incorporate energy as an integrated part into related other sectors
- **Energy plans are based on participation at all levels**



(PROMOTING REGIONAL COOPERATION) exchanged for **Hands-on Experiences**

- **Full participation cannot overcome minimum of professionalism**
- **Adapted low-tech approach does not mean old technology**
- **Good small or mini solutions are usually not scaled down utility solutions**



BACKGROUND

- **Integrated in ADC Energy Policy**
http://www.entwicklung.at/uploads/media/LL_Energie_Juni2009_03.pdf
- **EU GAERC meeting, Luxembourg, 10 April 2006 adopted these principles as the EU key message for the UN Commission for Sustainable Development (CSD 14 + 15)**



**thank you
merci beaucoup
muito obrigado**



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