

CREEC presentation

Eastern Africa Region AFRETEP project Workshop

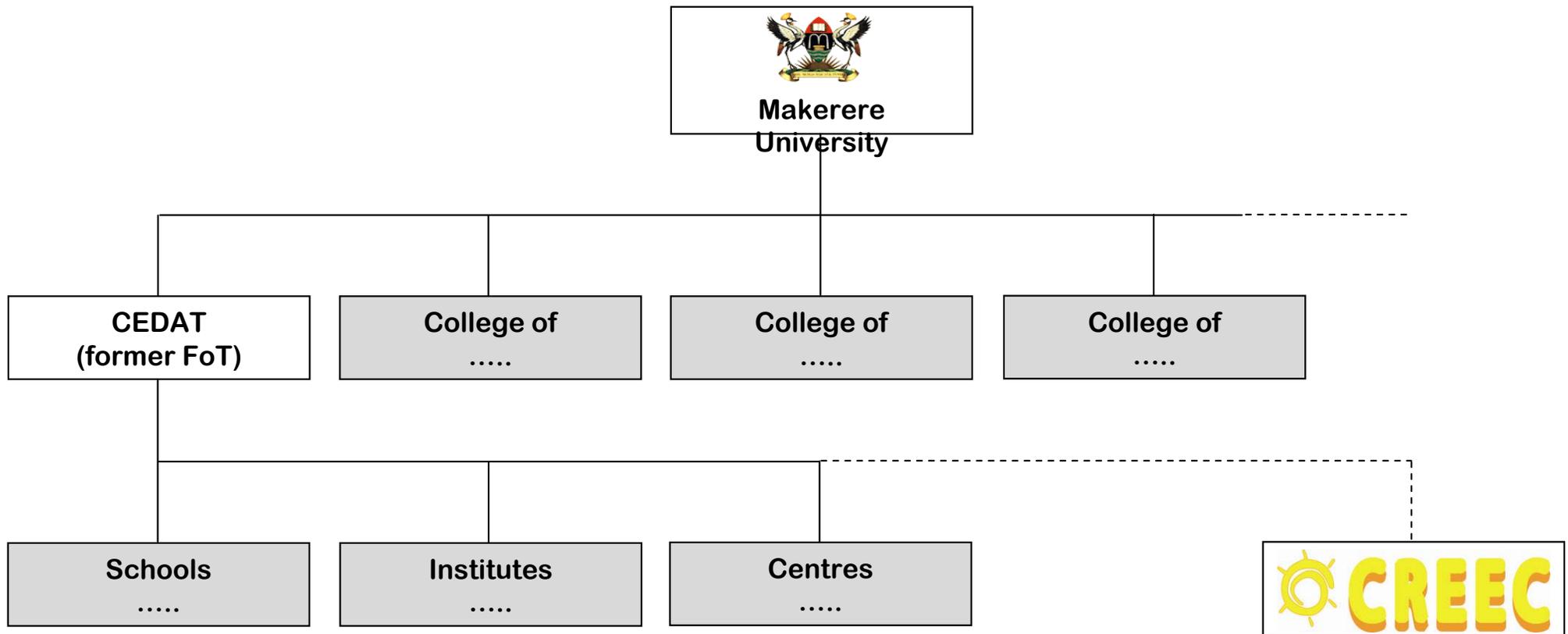
5th October 2011
Kampala, Uganda



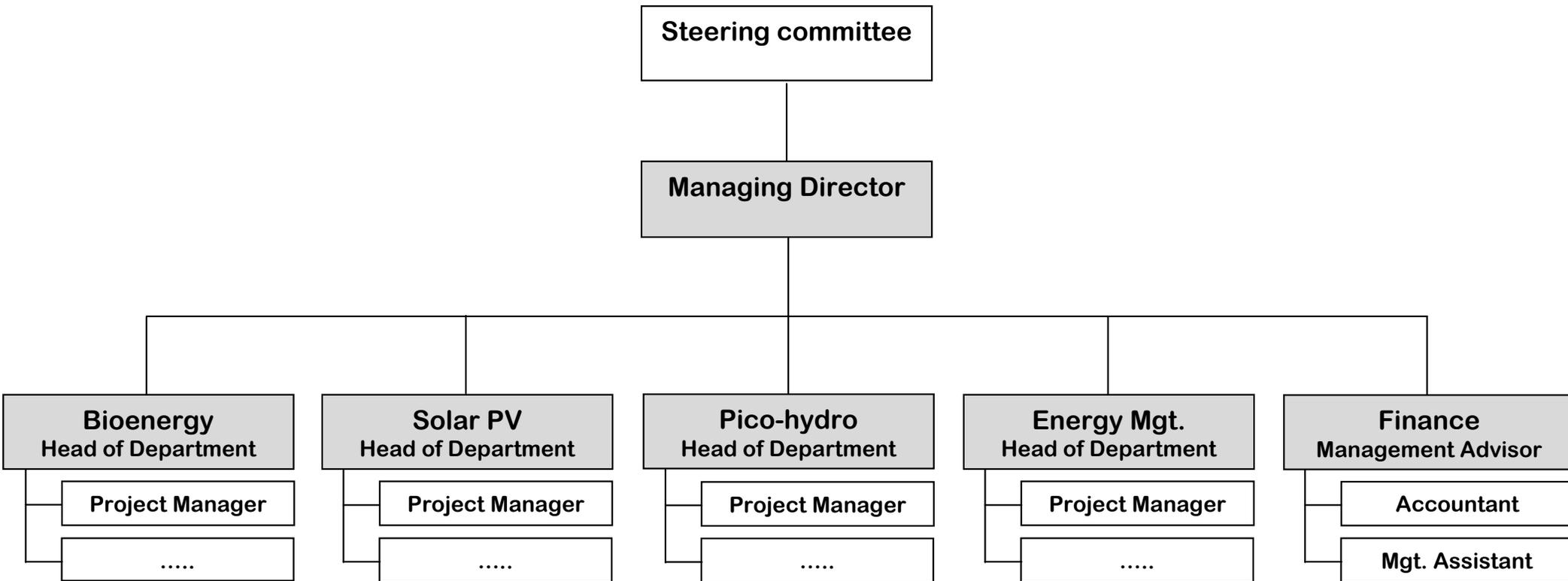
Centre for Research in Energy and Energy Conservation

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CREEC organization (1/3)



CREEC organization (2/3)



CREEC organization (3/3)

History:

- Established in 2001
- Project under the Dean of the Faculty of Technology
- Registered in December 2010
- Company Limited by Guarantee without Share Capital
- Non-profit organization

Mission, vision and core values

Our mission:

To enhance access to modern types of energy through research, training and consultancy in East-Africa

Our vision:

To be the leading centre of excellence in renewable energy for an East Africa where access to modern types of energy is a reality for everybody

Core values:

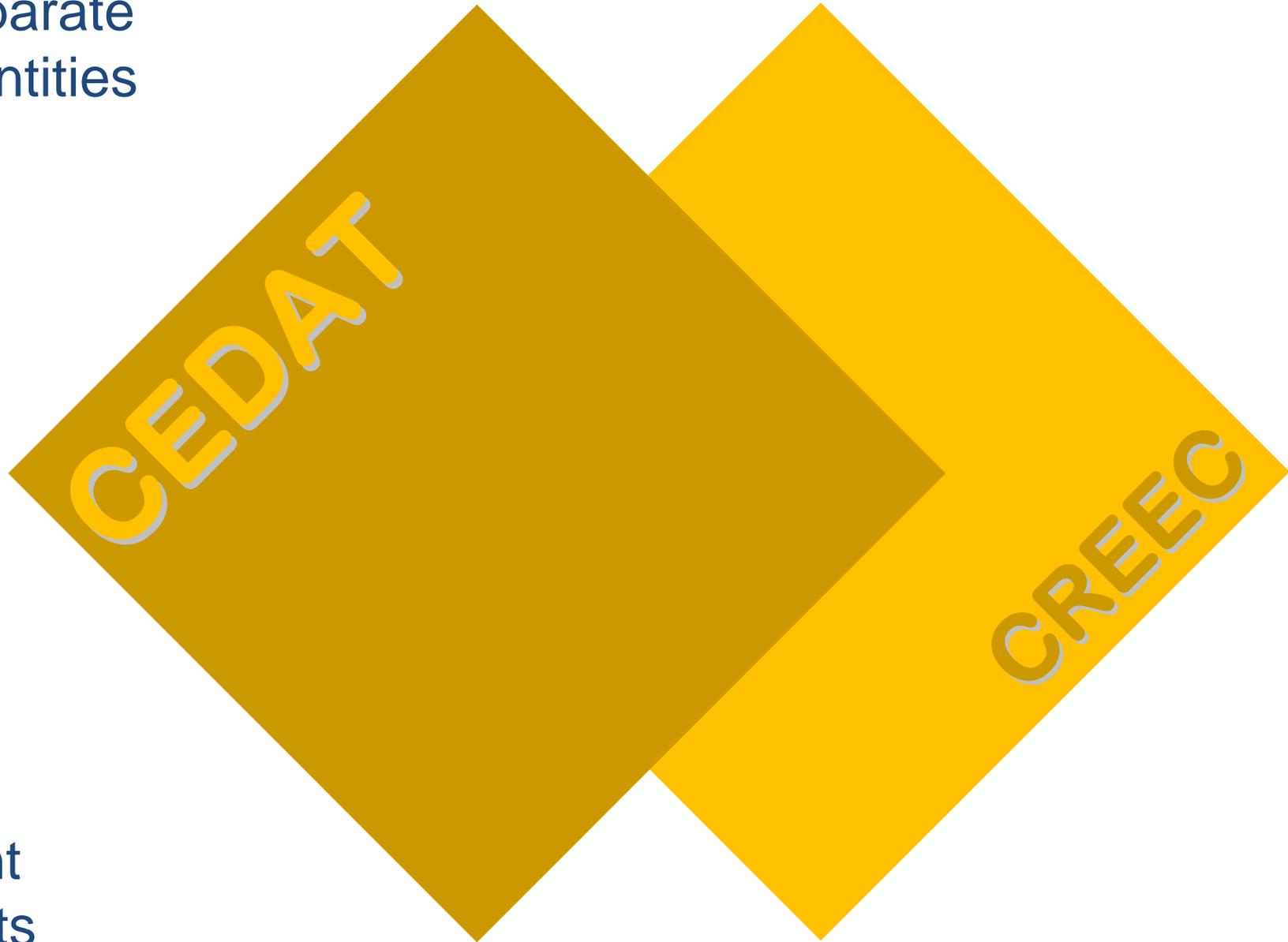
- Human dignity
- Honesty, integrity and transparency (NO to corruption)
- Sustainable solutions

Cooperation CEDAT-CREEC (1/7)



Cooperation CEDAT-CREEC (2/7)

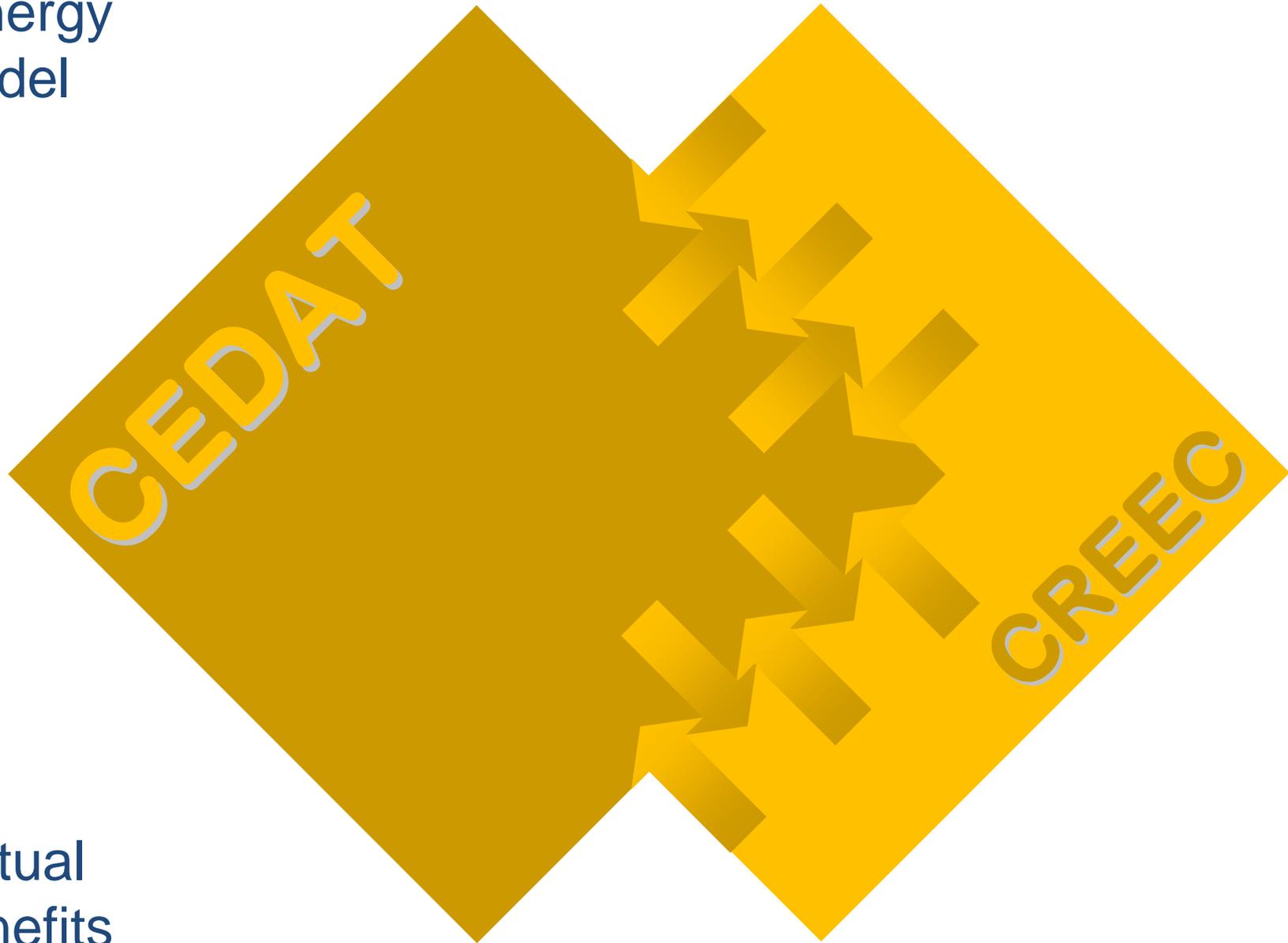
separate
identities



joint
units

Cooperation CEDAT-CREEC (3/7)

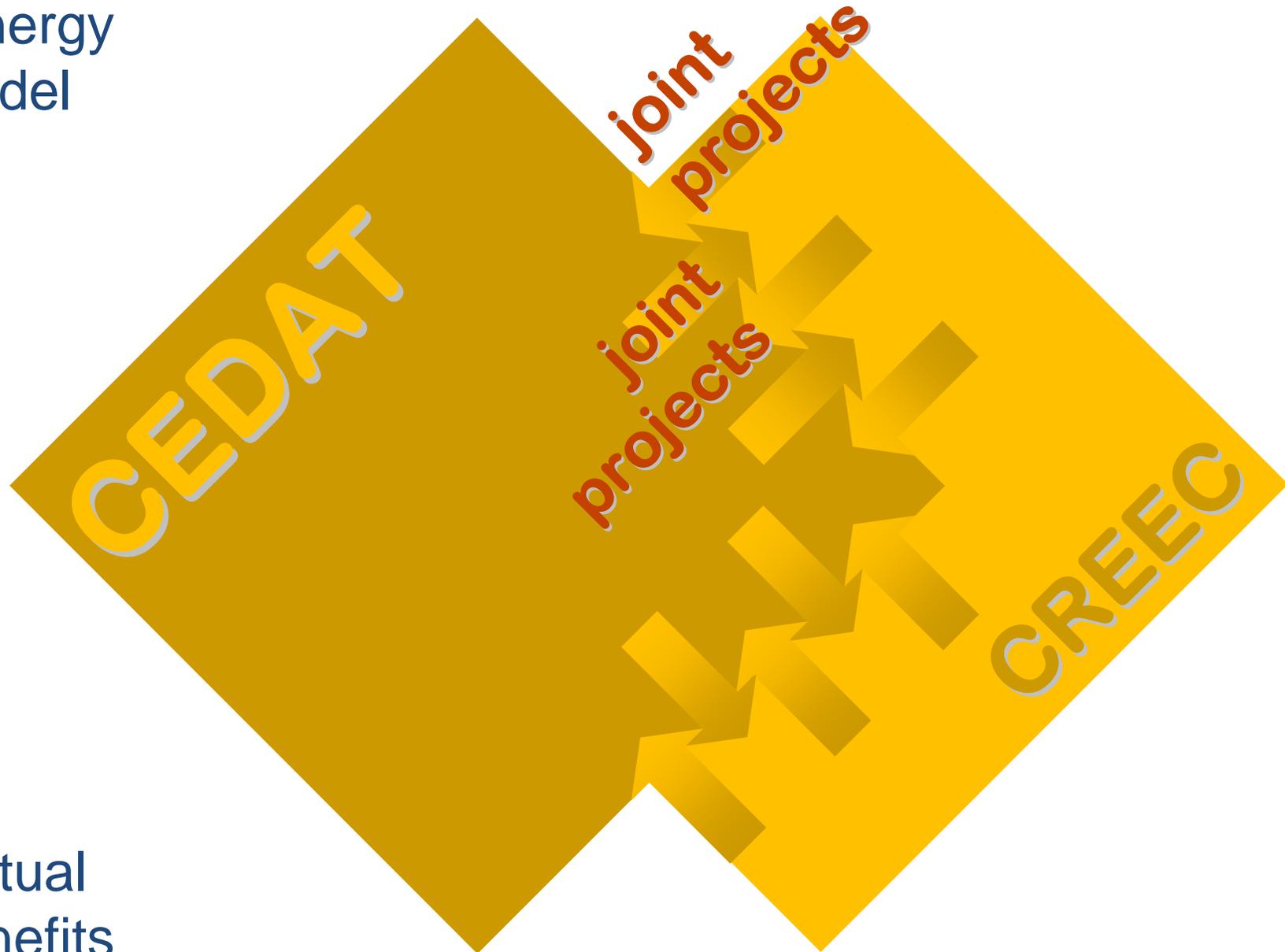
synergy
model



mutual
benefits

Cooperation CEDAT-CREEC (4/7)

synergy
model



mutual
benefits

Cooperation CEDAT-CREEC (5/7)

synergy
model



mutual
benefits

Cooperation CEDAT-CREEC (6/7)

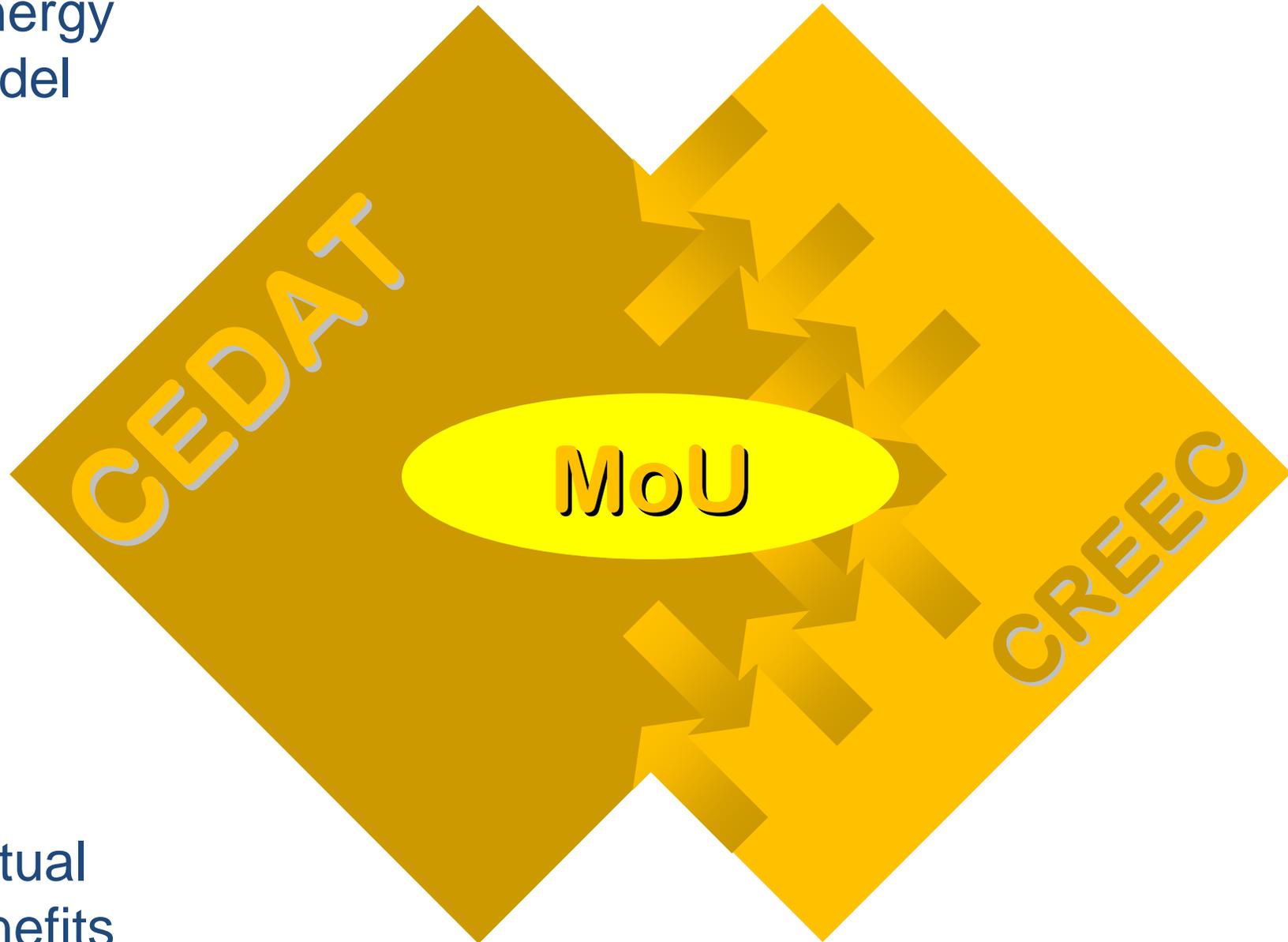
synergy
model



mutual
benefits

Cooperation CEDAT-CREEC (7/7)

synergy
model



mutual
benefits

Partners of CREEC



Projects (1/3)

Our projects:

- World Bank: Biomass Energy Initiative Africa (BEIA)
Promotion of Top-Lit UpDraft (TLUD) gasifier
- Extended with technology uptake by PATH (USAID)
- Stove testing & training for international organizations
(Uganda, Kenya & USA)
- Global Alliance Clean Cookstoves:
“Standards & Testing” and “Fuels & Technologies”
- DFID biogas research program
- Presidential Initiative: improved cookstoves, biogas and
gasification

Projects (2/3)

Our projects:

- UNIDO: gasification & small hydro power training
- PSFU: small hydro power study Kagando
- PSFU: 3 pico-hydro power plants & training operators and maintenance personnel
- PSFU: training of certified energy manager and energy auditors
- PSFU: training of solar PV technicians
- Presidential Initiative: solar testing laboratory
- Wildlife Conservation Society: energy study in North Uganda
- Infectious Diseases Institute: energy audit

Projects (3/3)

Our projects:

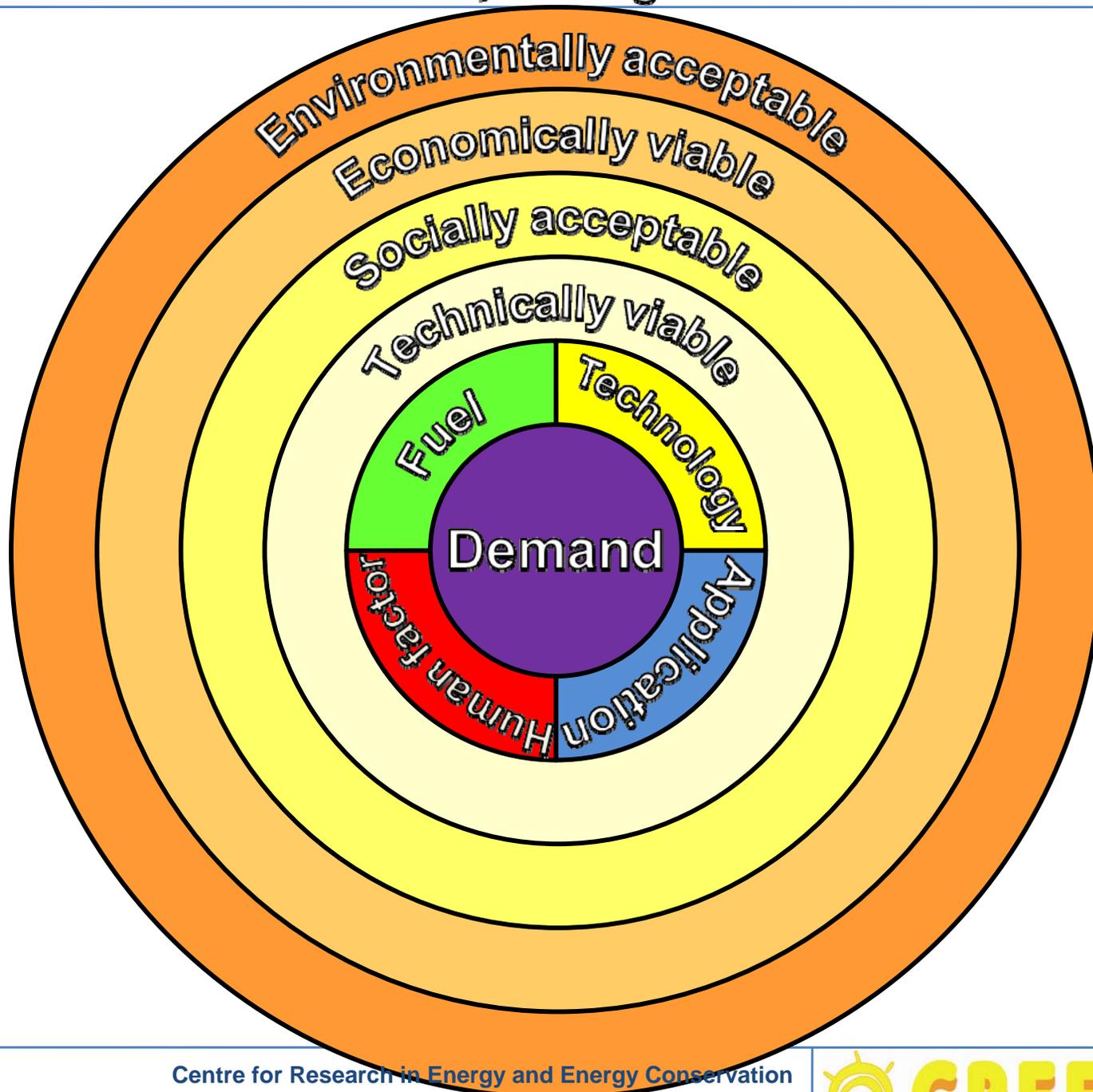
- UNCST (World Bank & GoU) - Millennium Science Initiative
Rural Electrification - Access to modern types of energy
 - PhD1: GIS mapping
 - PhD2: Appropriate technology
 - PhD3: Business models

Start

Who
is
our
client
?

FTAH = demand

Upscaling



Services we offer

Customers and their needs:

- **donor community:** capacity building, project implementation and studies
- **government agencies:** support in strategic and policy development, consultancy
- **private sector:** training, testing, consultancy, energy saving, product and process improvement and support in project implementation
- **students:** capacity building
- **communities:** indirect through project partners

Our focus (1/2)

Focus on:

- bioenergy, solar PV, pico-hydro & energy management
- applied research

and not on:

- basic research
- social science research
- agricultural research (agricultural product as input)
- solar thermal, wind energy and municipal solid waste

Our focus (2/2)

Focus on:

- adaptation to Ugandan environment
- systems with possible local component manufacturing
- include students whenever possible
- implementation of projects not reports
- triple helix (academia, government and private sector)

Goal for 2011/2012

produce more kW
and
less paper