

WINROCK INTERNATIONAL

Putting Ideas To Work

Energy for all:
Role of Communities, Private Sector and Carbon
Finance

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Mission

- Winrock International is a nonprofit organization that works with people in the United States and around the world to empower the disadvantaged, increase economic opportunity, and sustain natural resources.

Program Areas

Environment

- Clean Energy
- Ecosystem Services
- Forestry and Natural Resources Management

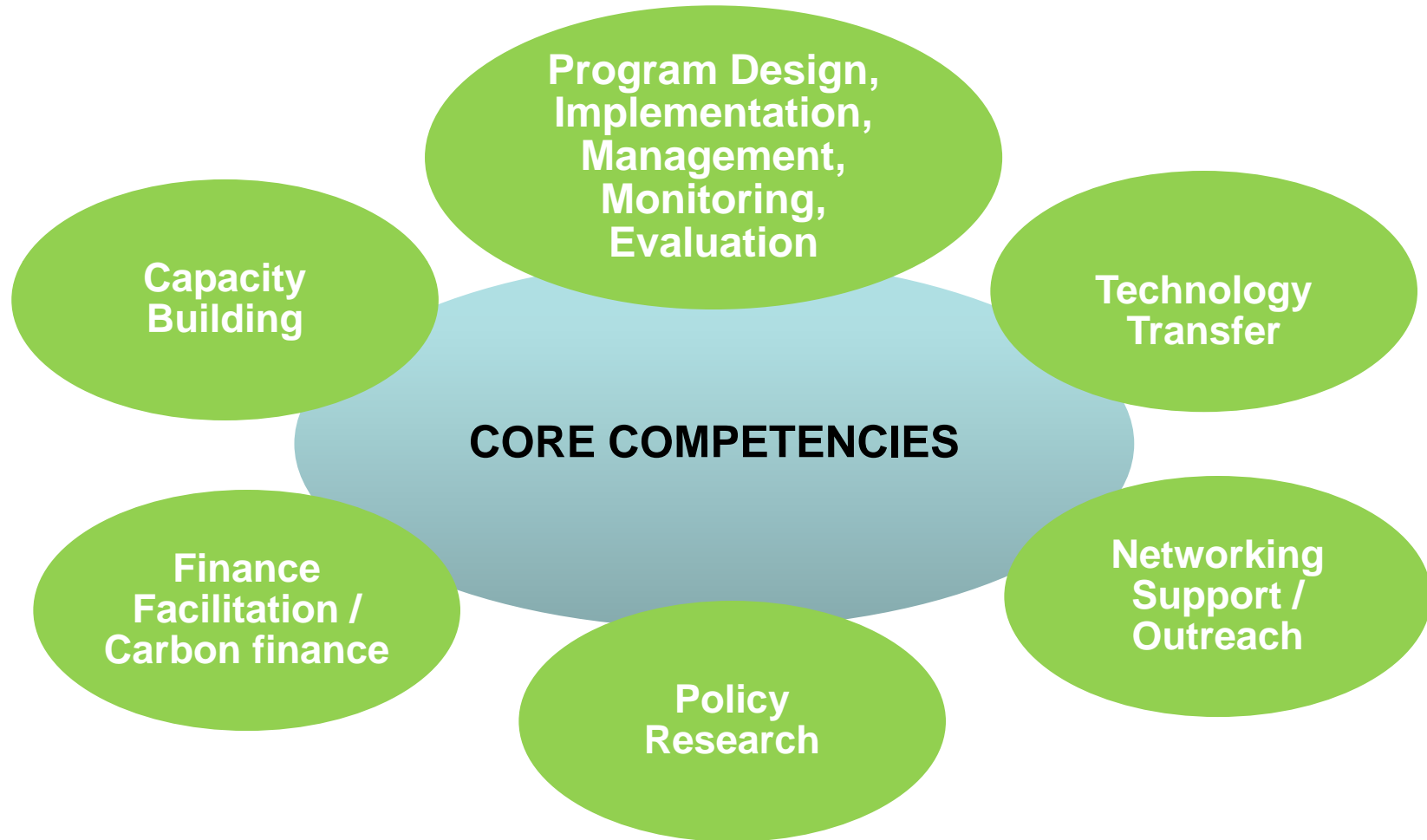
Enterprise and Agriculture

- Agriculture
- Wallace Center
- US Programs
- Volunteer Assistance

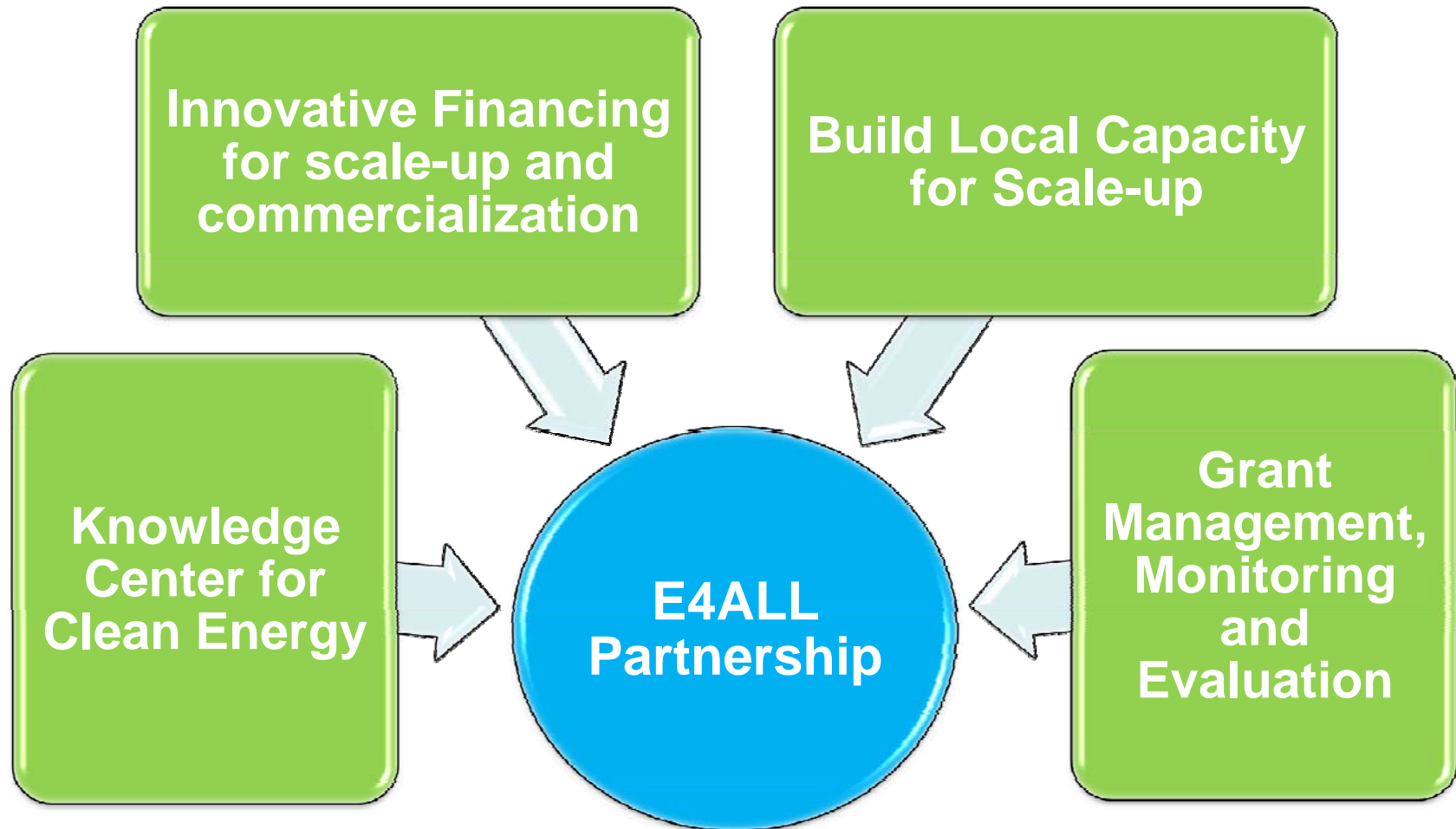
Empowerment and Civic Engagement

- Civil Society Strengthening
- Women's Empowerment
- Youth Leadership and Education

Clean Energy - Competencies



E4ALL Partnership



Role of Communities

- Approaches
 - Community mobilization,
 - Community Investment in addition to investment by government,
 - Regular tariff collection,
 - Maintenance fund.

Role of Communities

- Technologies:
 - Mini-grids electricity supply (micro-hydropower),
 - Multi-function Platform (mechanical power)
 - Solar or wind powered water pumping,
 - Electrification of community centers, schools, health centers.

Communities: Barriers to Expansion

- Insufficient awareness of good examples like REDP (Nepal), AKRSP (Pakistan), MFP (Mali) or commitment to replicate,
- Insufficient funds for investment – Poverty Alleviation Funds for CPI are only just beginning to include energy projects.
- Underestimation of social mobilization costs and benefits,

Private Sector

- Supply technologies to communities as well as households,
- Complete with warranties and maintenance contracts,
- Sustainability requires suppliers selling to users with the project playing a supportive role on both supply and demand sides.

Approaches

- Government/ program - enabled market, most efficient.
- Main barriers
 - Not enough countries where national programs on universal access are supported by government,
 - Changing rules makes service expensive,
 - Banks only beginning to invest into energy companies and micro-finance beginning to invest in household purchases.

Carbon Finance

- Transitioning to cleaner cooking fuels, efficient cooking stoves could alone abate > 1 billion tons of CO2 each year,
- Less than a dozen Energy Access projects registered under CDM out of 1700,
- A larger % of the voluntary market is energy access project,
- Programmatic CDM offers hope for bundling many small energy access projects over space and time – however would require substantial capacity building support.

THANK YOU

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