



Decentralized gender-just energy concepts

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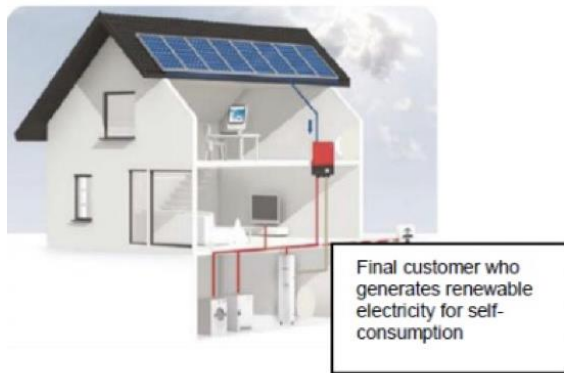


Concept of energy community & cooperative

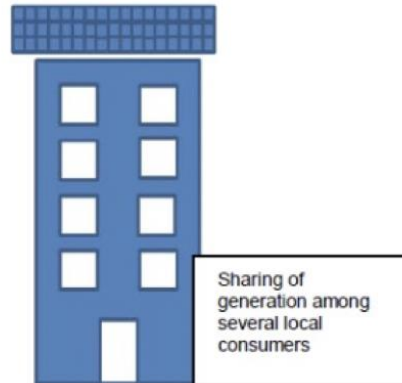


- ✓ Community approach: joint production and consumption
- ✓ Decentralized energy system
- ✓ Democratization of energy supply: BOTTOM-UP energy revolution
- ✓ Access to affordable renewable energy and improved services for all
- ✓ Citizens as producer, consumer, owner, investor, trader

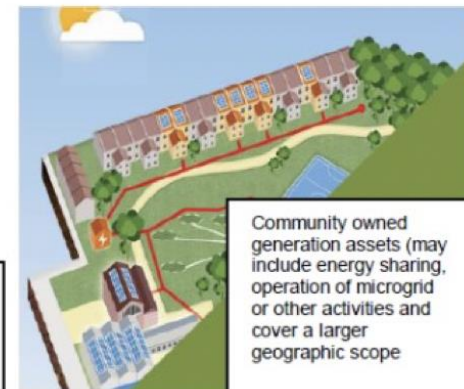
self-consumption



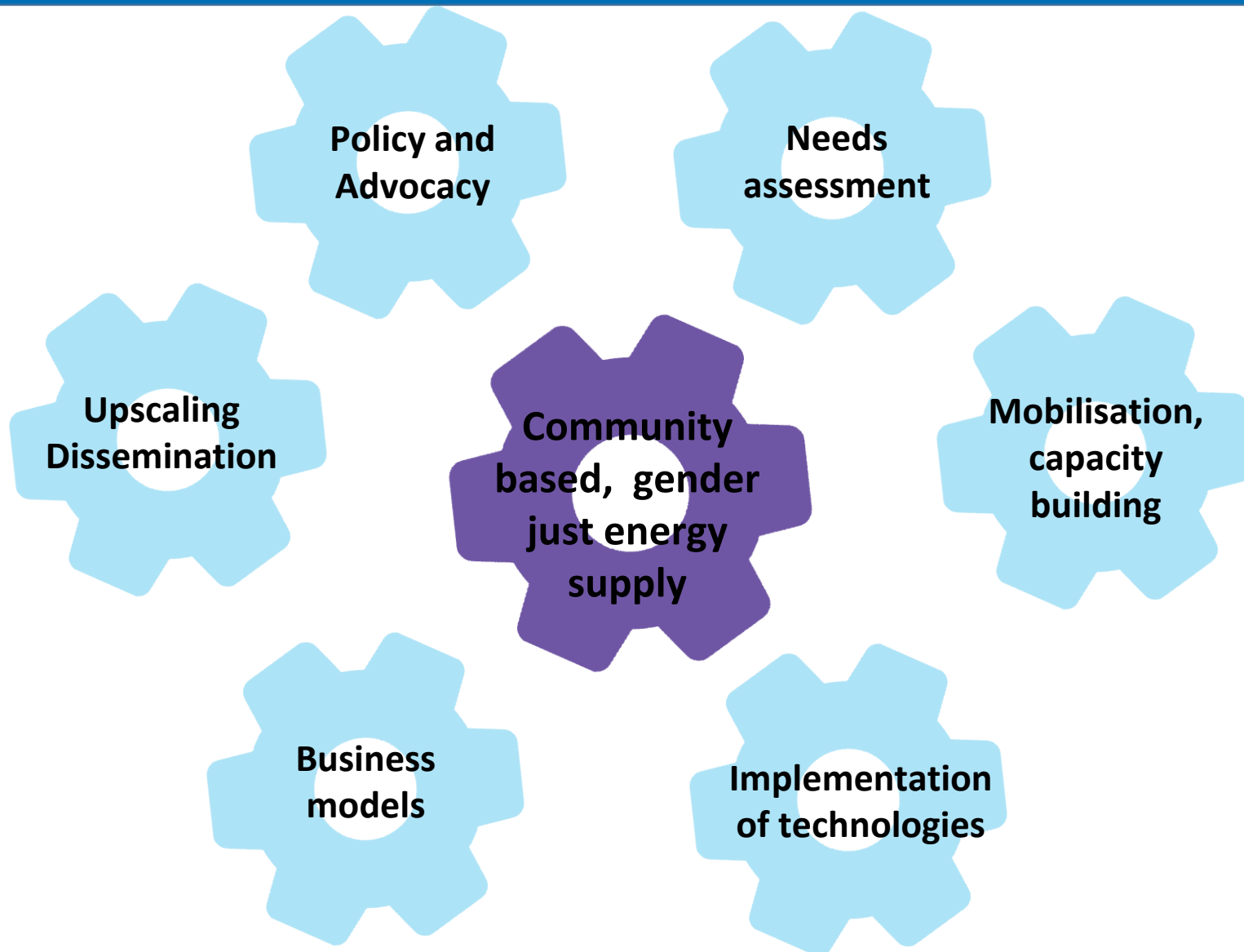
collective self-consumption



energy community



Energy approach



Gender just approach



Mainstreaming dimensions in energy projects

Equal Representation

Gender perspective in all
activities



Gender balance in
the composition of
teams and boards,
trainings



Gender inclusive
communication
(prioritise female
voices)



Gender-
disaggregated
indicators and
data



Gender
inclusive
communication



Gender-just
instruments



Gender just
policy
recommendatio
ns



Gender-just
targets

Gender just approach from the beginning

Abbildung 1.1



Appropriateness
Feasibility
Costs
Gender equality



Abbildung 1.2



Schaubild nach Dr.
Barbara Stiegler,
Friedrich-Ebert-
Stiftung



Technologies



Integrated & community approach

Activities and outcome



Needs
Assessment

Mobilising
& Training

Business
Development

Implementation
& Operation

Integration

COMMUNITY LEVEL

PV
Solar pump
Briquetting
Biogas

Reaching out to
young people,
women and men

Improved value chain
Job creation
Market access
Financial access
SME development

Productive use
Cooperation and
exchange between
communities

Awareness
Monitoring
Dissemination
Advocacy

HOUSEHOLD LEVEL

PV home
systems
Briquettes
Efficient stoves
Biogas
Water tank

Young and female
ambassadors
Women's
entrepreneurship

Skilled labour
Income generation

Productive use
Exchange between
members and
households

Awareness
Monitoring
Dissemination
Advocacy

Good practice 1: Coffee cooperative in Uganda



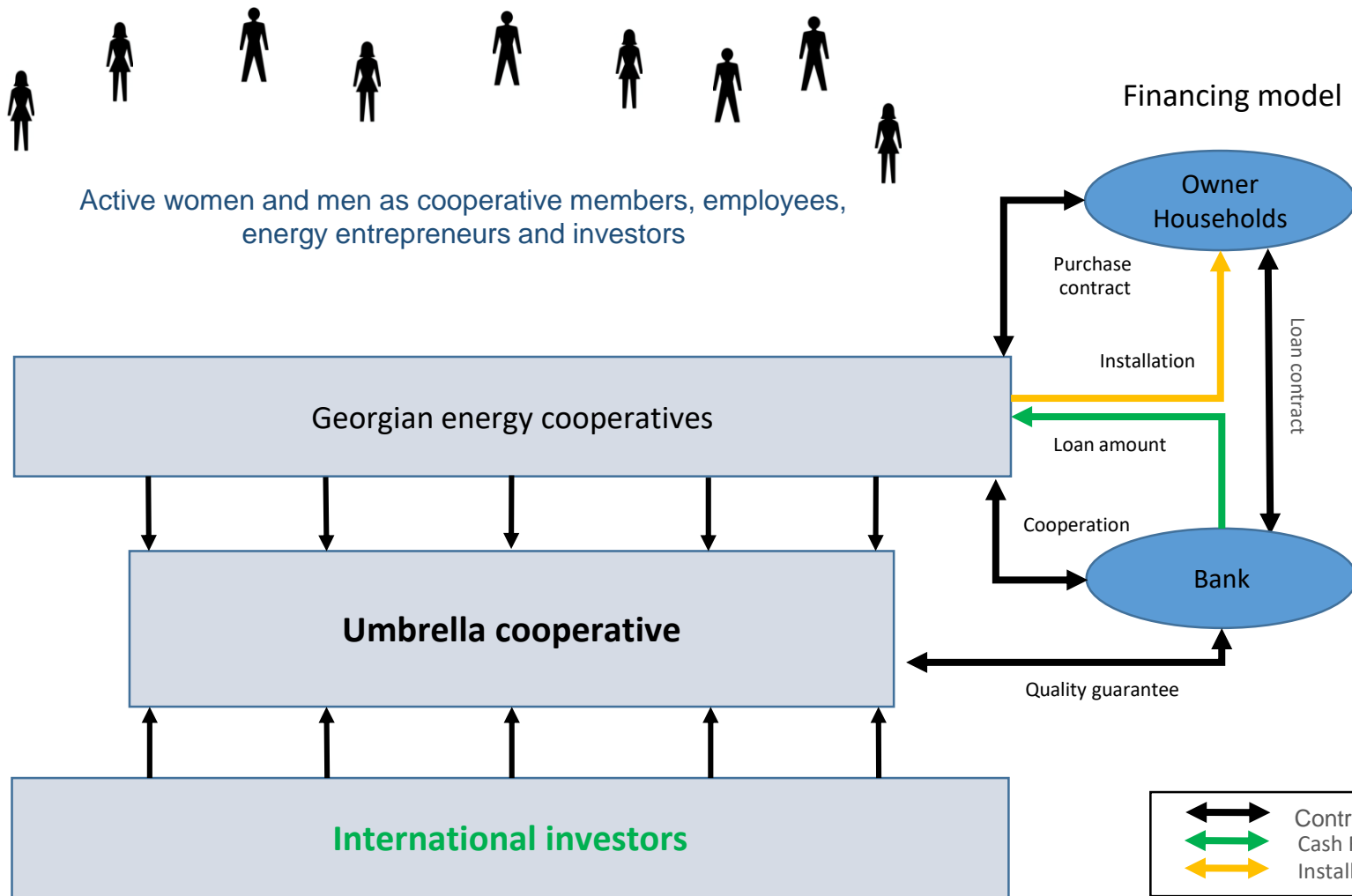
Technology	Output / results of coffee cooperative
PV	Available and stable electricity; income generated with charging station; saved costs with own produced energy pay back: 2,8 years
Solar pump	Watering specific coffee seedlings to improve quality; water supply for members
Biogas	Biogas for cooking and lighting; Increased awareness on alternatives to firewood; pay back: 3 – 4 years
Water tank	Better water supply; rain water harvesting Less work load for collecting water
Briquettes	Briquette production for own use and sale; women to be mainly involved; savings compared to charcoal, generated income



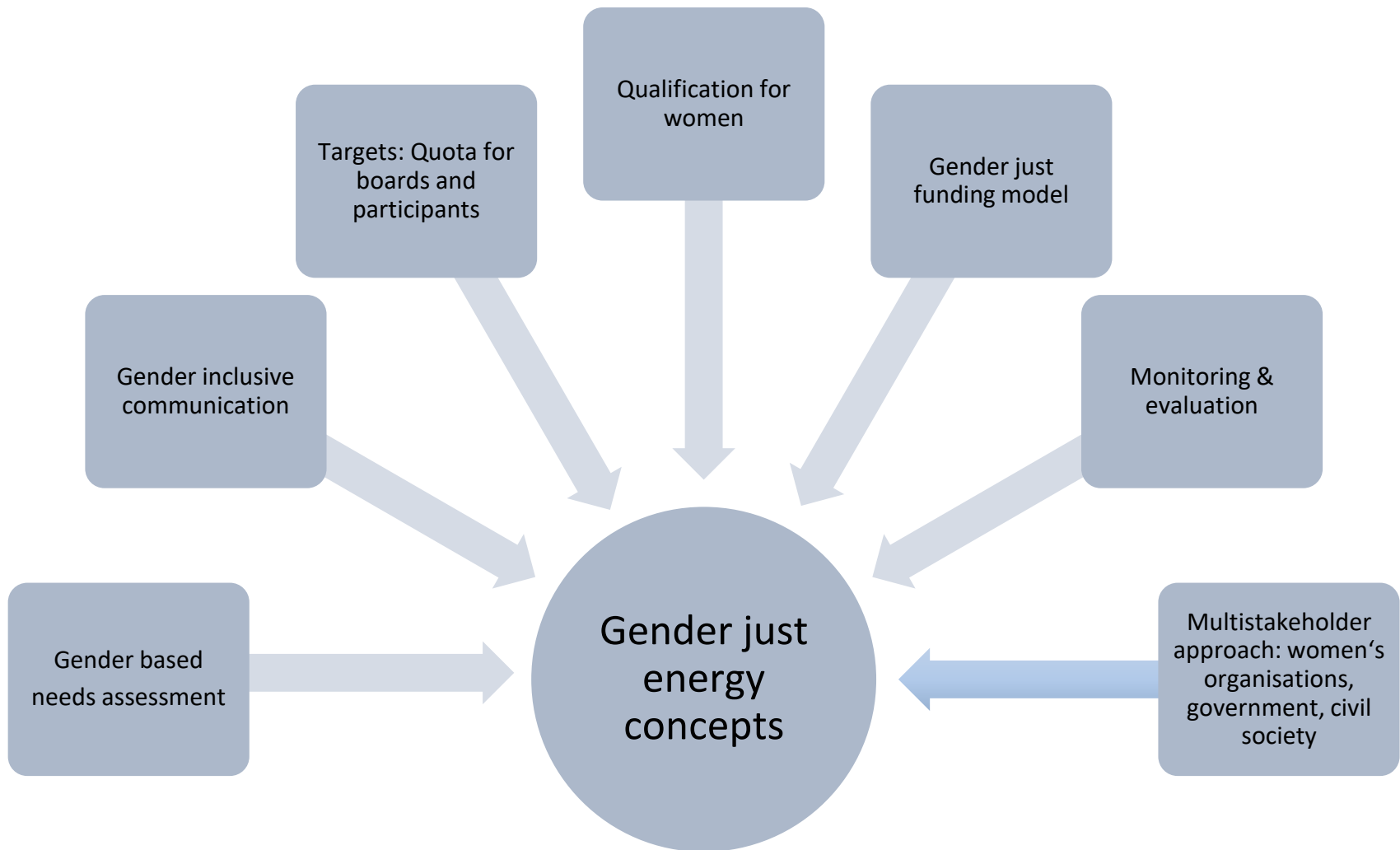
Gender approach

- Gender based needs assessment
- Indicators
 - No of female participants in meeting/activities
 - No of women leading activities
 - No of women having economic savings
 - No of women having access to funding
- Empowerment
 - Women' ambassador trainings
 - Technologies, management, business case
- Quota in boards of cooperative
- Gender-inclusive communication

Good practice 2: Gender-just cooperatives in Georgia



Gender methodologies



Why gender-just energy communities speed up energy transition?



- Equal access for women along the entire energy value chain: knowledge, technologies, jobs, funding
- More actors for decentralized energy transition – more power
- Broad acceptance
- Higher women's empowerment & leadership
- Benefits of successful concepts for climate protection and reduction of energy poverty

- **Energy communities act on the local level where women have a say and therefore, have the potential to become change agents and more visible**
- **Higher participation of all citizens**
- **Using all the transformational potential**
- **Gender equal economy pushes just, resilient and strong communities**



Policy work / Publications



- Policy and advocacy trainings for women
- Policy work in local, national and international level: round tables, conferences, consultation processes

New Energy for Uganda: Cooperative – Decentralized - renewable

Affordable, Empowering and Sustainable Decentralised Renewable Energy Solutions

Potential of energy communities in Uganda

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Munich, Kampala, August 2018

AWARD CEREMONY

GENDER JUST CLIMATE SOLUTIONS

€2.000,-

Let Women Grab the Toolbox!

Gender & Climate Technology

FACTS

- Women have less access to climate technology, due to patriarchal roles or limited financial means. The Paris Agreement's Technology Framework failed to integrate gender considerations in the related Article 10.
- The two bodies of the UNFCCC Technology Mechanism are far from gender parity: the Technology Executive Committee (TEC) counts 35% women while the Advisory Board of the Climate Technology Centre and Network (CTCN) has 25%.
- Country technology needs assessments (TNAs) continually fail to acknowledge gender. Unlike the gender mandates developed for the GCS, technology transfer does not consider gender mainstreaming as an obligation, thus this is not a priority for Parties.

MAIN CHALLENGES

- Paris Agreement does not ensure gender-responsive, safe and environmentally sound technology transfer.
- Women are underrepresented in technology development processes.
- Little political will to mainstream gender in technology undermines climate policies' effectiveness.

Women are underrepresented in environment, energy, planning and science ministries

Source: Women's Policy, 2019

More opportunities for women in the RE sector?

Average share of women in the workforce

Source: International Labour Office (ILO), 2019

RECOMMENDATIONS

- Recognize and upscale traditional knowledge systems, innovation and technologies developed at local level by women as their communities.
- Ensure greater skill-sharing, capacity building and knowledge opportunities for all women in the development and transfer of climate technologies.
- Establish a multilateral mechanism under the Technology Framework that actively involves women for gender-responsive, environmentally and socially sound climate technologies, upholding the precautionary principle.

1,2bn People worldwide have no access to electricity – most are rural women

WOMEN'S GENDER CONSTITUENCY

Vision: Energy sharing

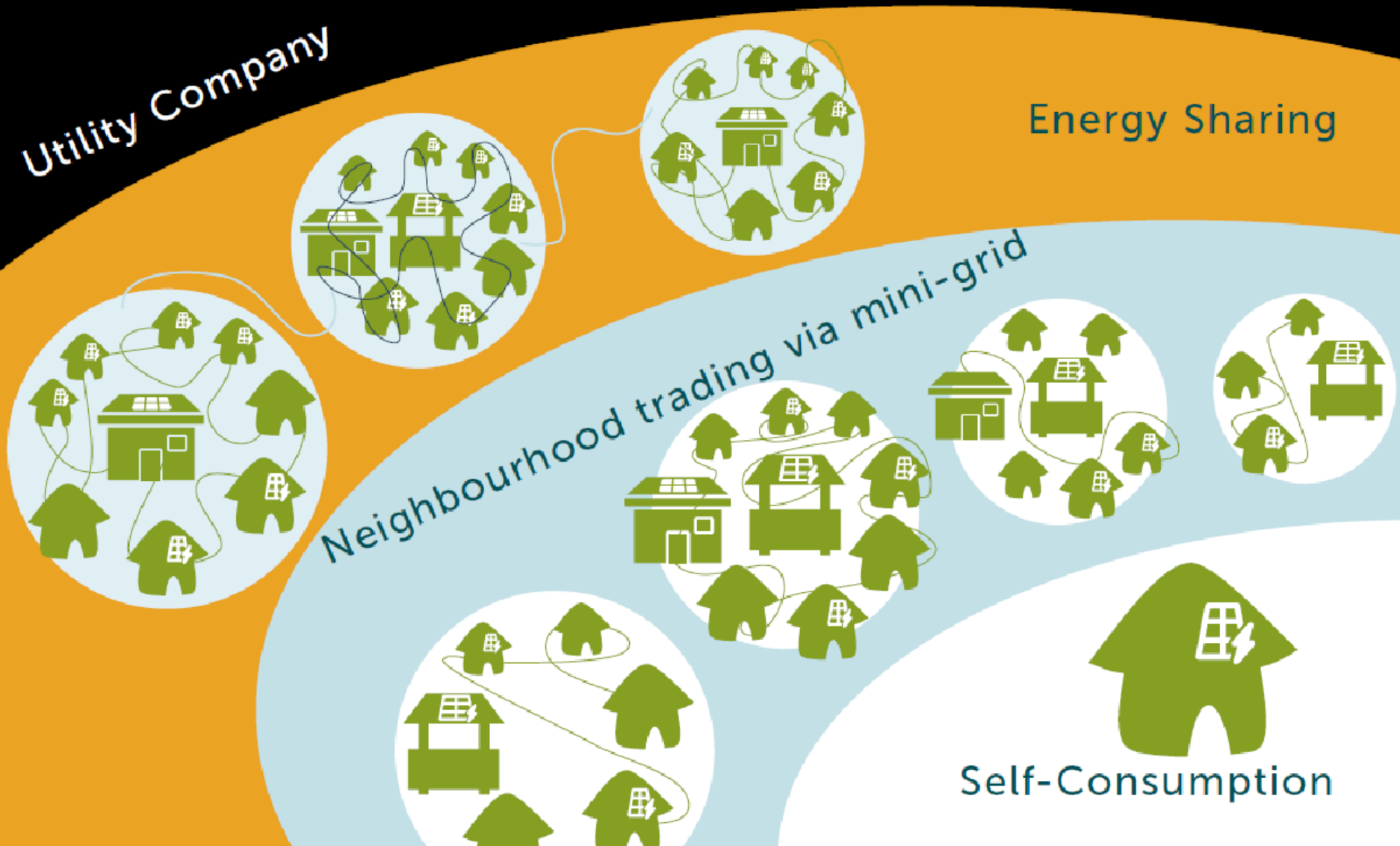


Utility Company

Energy Sharing

Neighbourhood trading via mini-grid

Self-Consumption



Thank you!

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Self-consumption by ceer.eu, Kiosk by Creative Stall, Hut by ProSymbols, Hut by Hat-Tech, House by QualityIcons, solar by emka angelina, solar by UNiCORN from the Noun Project, Bündnis Bürgerenergie e.V., WECF

