



# Gender mainstreaming in Renewable energy Sector in Nepal (including in SREP)



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# Outline

- Working modality in RE sector
- Gender in national level
- Gender in RE sector
- GESI in SREP
- Aligning SREP with National Program





# Key Messages

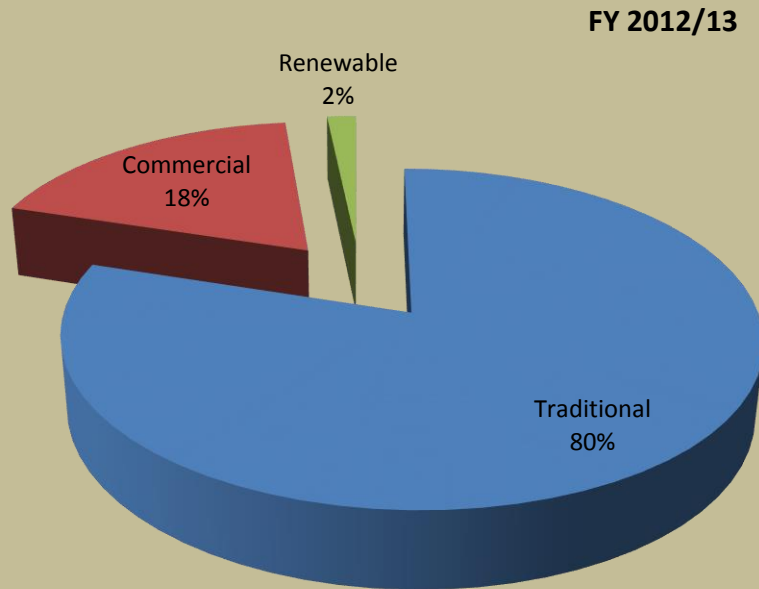
- Gender aligning from national level to local-RE project



- Gender as integral part of RE program and project
  - livelihood enhancement
  - inclusive development
  - for sustainability of the system



# Energy Sector overview



*Traditional: Fuelwood, Agri Residue, Animal Residue;*

*Commercial: Petroleum, Coal, Electricity*



- Ministry of Energy for On-grid energy supply
- AEPC, under Ministry of Science, Technology Environment is nodal agency for off-grid electricity & clean energy cooking solution
- Nepal Oil Corporation, under Ministry of Commerce and Supply is responsible for petroleum energy supply

# Renewable Energy Program in Brief

- Centre Renewable Energy Fund (CREF)
- National Rural and Renewable Energy Program (NRREP)
- From 2012
- Alternative Energy Promotion Centre executes the program
- **Funding:** GoN, Danida, Norway, Germany, UK, CIF, ADB, WB, UNDP/UNCDF, SNV
- Single program modality in RE sector & no parallel program is expected



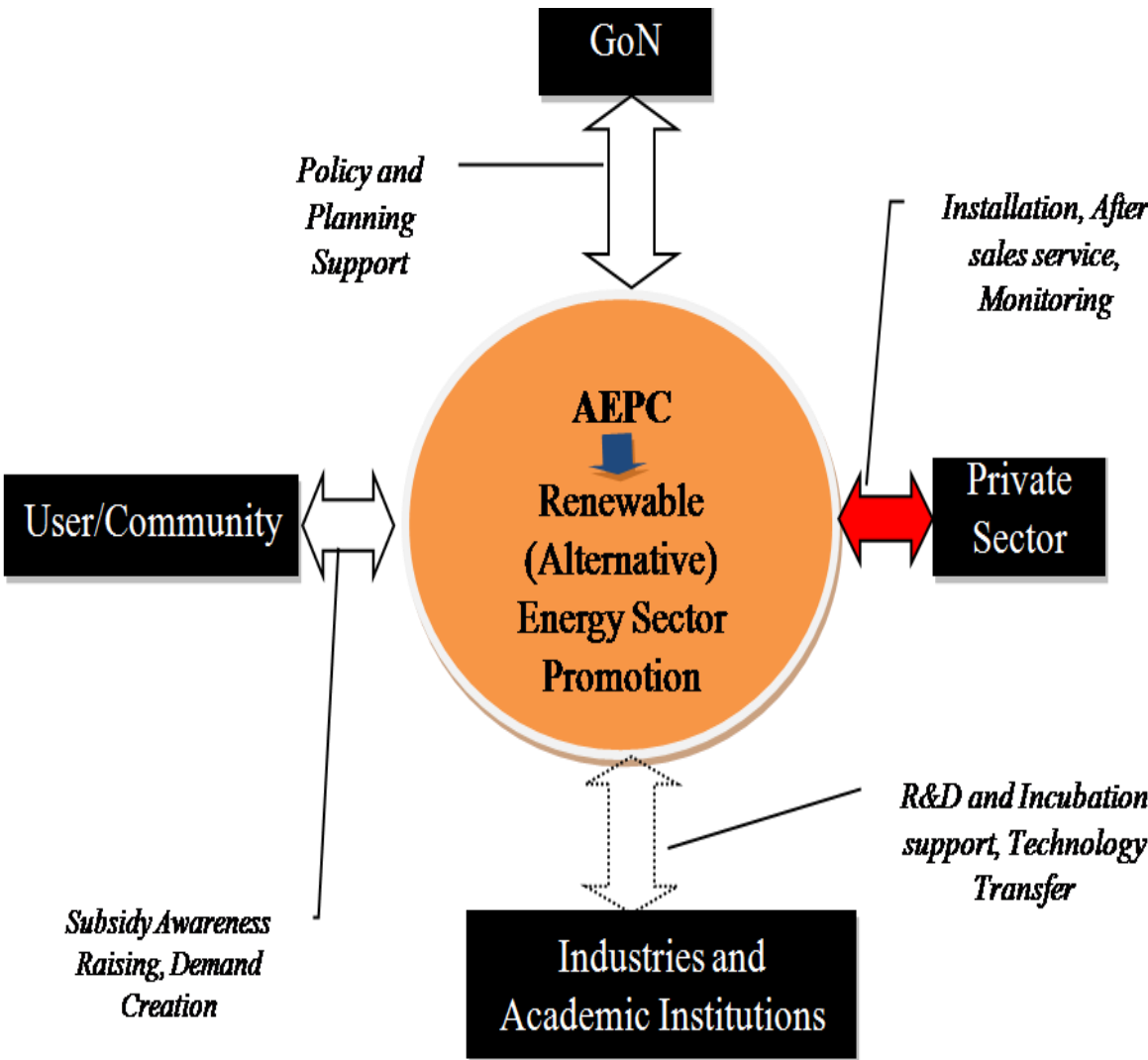
## NRREP Targets:

Mini/Micro Hydro: 25 MW  
Domestic Biogas: 130000  
Large scale biogas: 1200  
Solar Home System: 600000  
ICS: 475000  
SMEs- 4100 and 19000 employment  
IGA: 15300

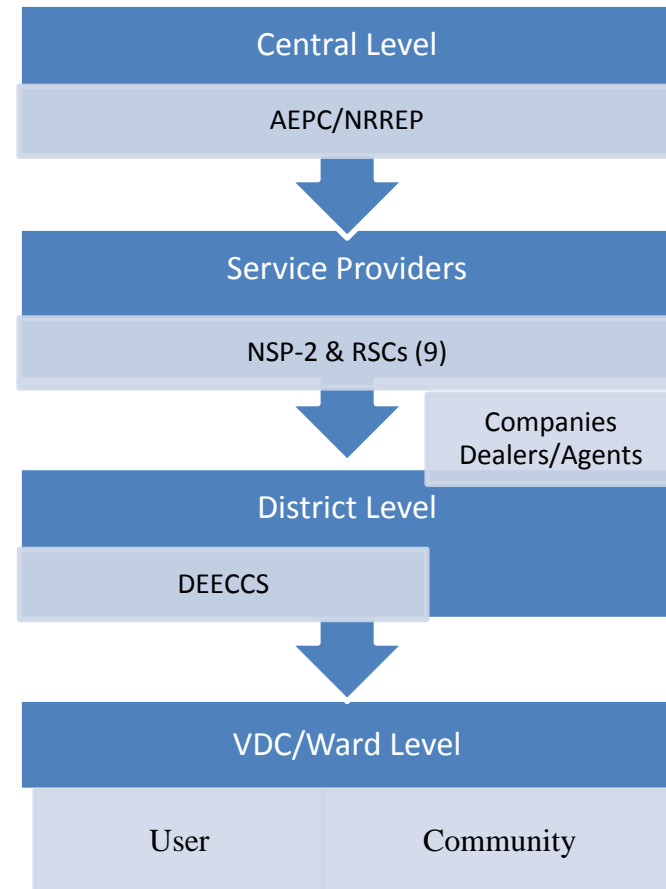
## **SREP Target:**

MMHP-4.5MW  
SWM-500 kW  
Biogas- 580 + 20  
(Commercial + Municipal)

# PPP Approach in RETs promotion



## Service Delivery Channel



# Gender in National Level: GRB

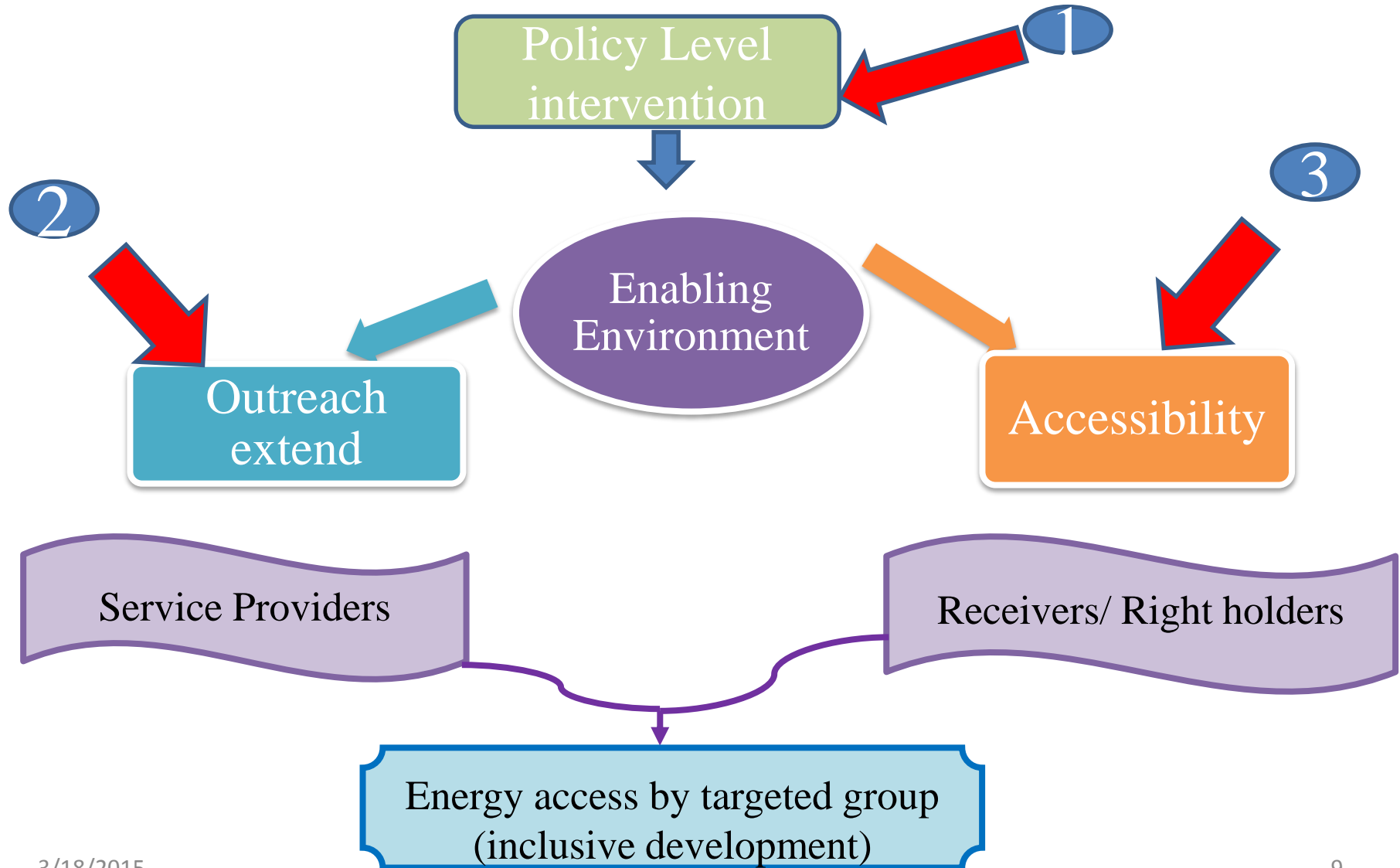
- GRB approach in the Public Finance System since 2007
- Budget categorized into ***Direct GRB, Indirect GRB and neutral (budget code 1,2 &3)***
- Five indicators for GRB calculation
  - Women participation in planning, implementation & monitoring
  - Capacity building of women
  - Equitable benefit sharing to women
  - Employment and income generation of the women
  - Work load reduction and quality time reform
- The direct gender responsive budget was 11.30% in 2007 which increased to 21.93% in 2014

# Gender in National Level: Fiscal Measures

- **Mandatory gender assessment and benefit analysis** to the male and female from the project, if cost is more than Rs. 50 million
- 45% recruitment on the basis of inclusive system
- Mandatory action of female toilets in public offices
- **20% tax exemption**, if 33% employees are from women, disable and excluded group people in the company,
- **10% tax exemption** to the women employees
- **Rebate on land registration fee** (women): 25 % in municipalities, 30% in VDC and 40% in remote VDCs.
- **Provision of joint property registration in Rs. 100 fee**, if the property is in husband's name.
- **No age limit of widow** for social security allowances

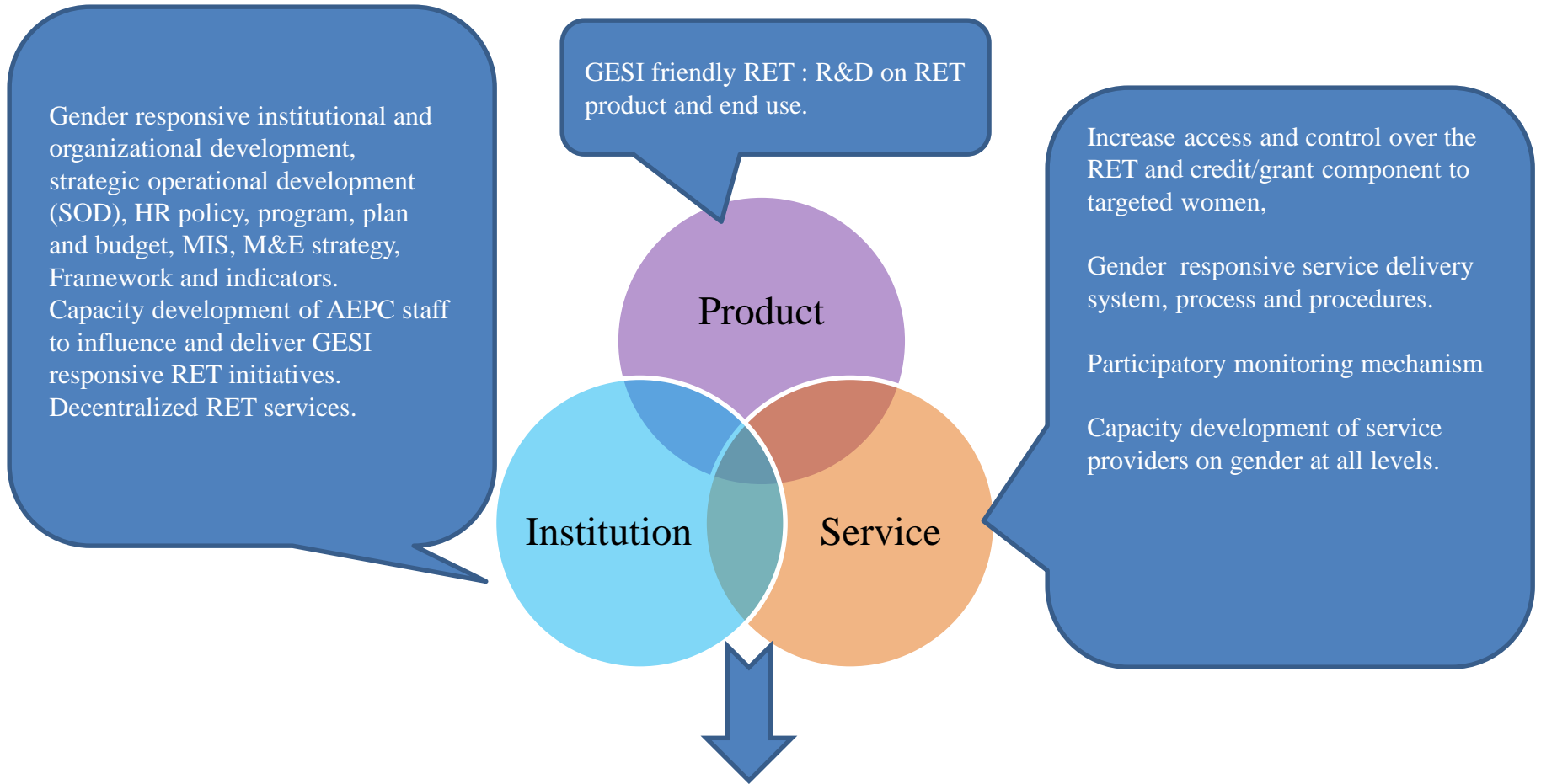


# Gender Mainstreaming in RE Sector: Enabling Environment



# Gender Mainstreaming in RE Sector:

## Operational Framework



GESI friendly RET : R&D on RET product and end use.

Product

Institution

Service

Gender responsive institutional and organizational development, strategic operational development (SOD), HR policy, program, plan and budget, MIS, M&E strategy, Framework and indicators. Capacity development of AEPC staff to influence and deliver GESI responsive RET initiatives. Decentralized RET services.

Increase access and control over the RET and credit/grant component to targeted women,

Gender responsive service delivery system, process and procedures.

Participatory monitoring mechanism

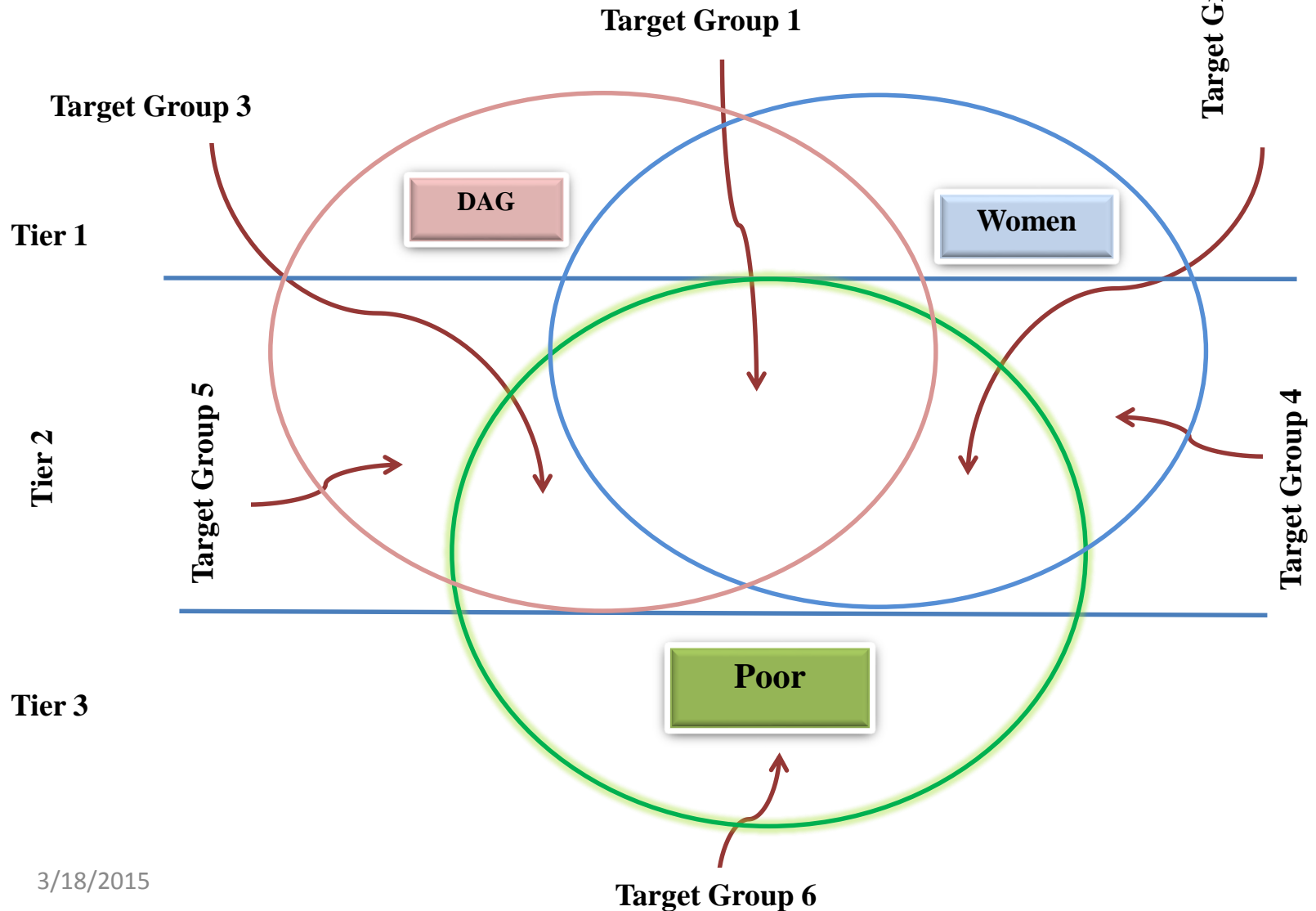
Capacity development of service providers on gender at all levels.

Equitable socio economic growth of women in remote areas by accelerating RET for generating employment & income through enterprise creation & development.

# Gender in AEPC/RE Sector: Strategies

1. Positive discrimination in subsidy in RETs as well as its productive use (MSME & IGA)
2. Adoption of social mobilization process to address targeted group demand and ensure meaningful participation
3. Research and development (R&D) to design and promote gender friendly RET
4. Institutionalize GESI segregated database system, regular monitoring mechanism/reporting, review/evaluation
5. Positive discrimination in selecting FIs for ensuring credit access/facility to the target groups
6. Promote GESI responsive RET policy, strategy, periodic plan, rules and regulations and program and budget
7. Promote AEPC as GESI responsive institution

# Gender mainstreaming in RE Sector: Prioritization of GESI Target group





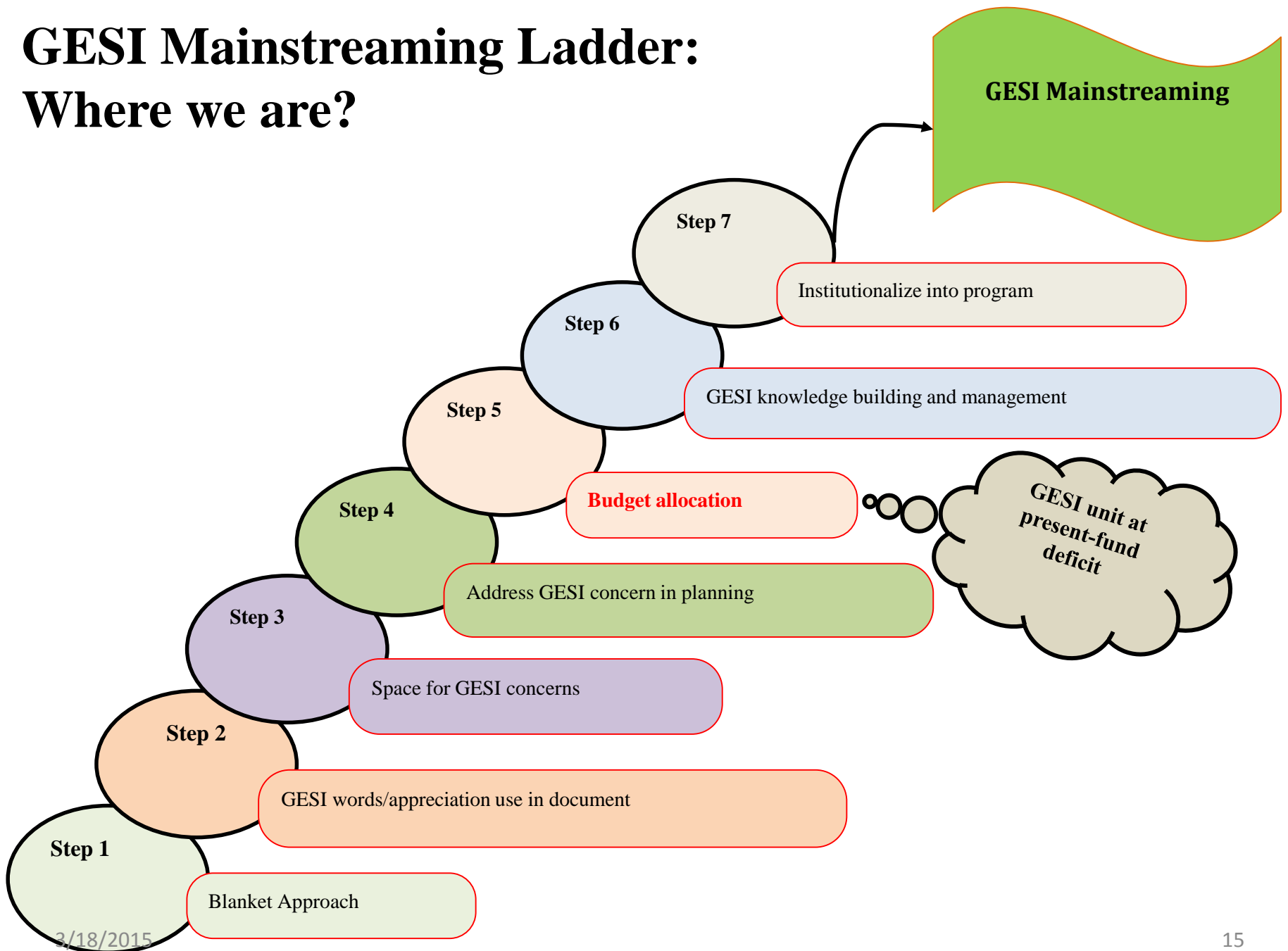
# Gender and Social Inclusion (GESI) in SREP

Activities	Indicators & Target
Involve women during project design and implementation	At least 25% of HHs from below poverty line (BPL), disadvantaged groups and FHH
Empower the contractors to employ local labor, including women, in project construction activities	<ul style="list-style-type: none"> <li>▪At least 25% women of total skilled and unskilled labor</li> <li>▪Contractors agreements to include: equal pay for work of equal value, gender-related core labor standards, special facilities for women workers and gender-inclusive awareness raising for risk mitigation</li> </ul>
Electrification of new HHs with focus on disadvantaged groups,	At least 50% of the proposed newly electrified HHs from BPL and FHHs (On-grid)
End-user awareness raising for newly electrified HHs	Conduct activities for safe and efficient use of electricity, energy-related livelihood opportunities & energy saving in consumer behavior and practices for HH tasks
Promote clean cooking solutions	Gender co-benefits from substitution of harmful cooking fuels for groups of women through large size biogas (commercial, institution, community)

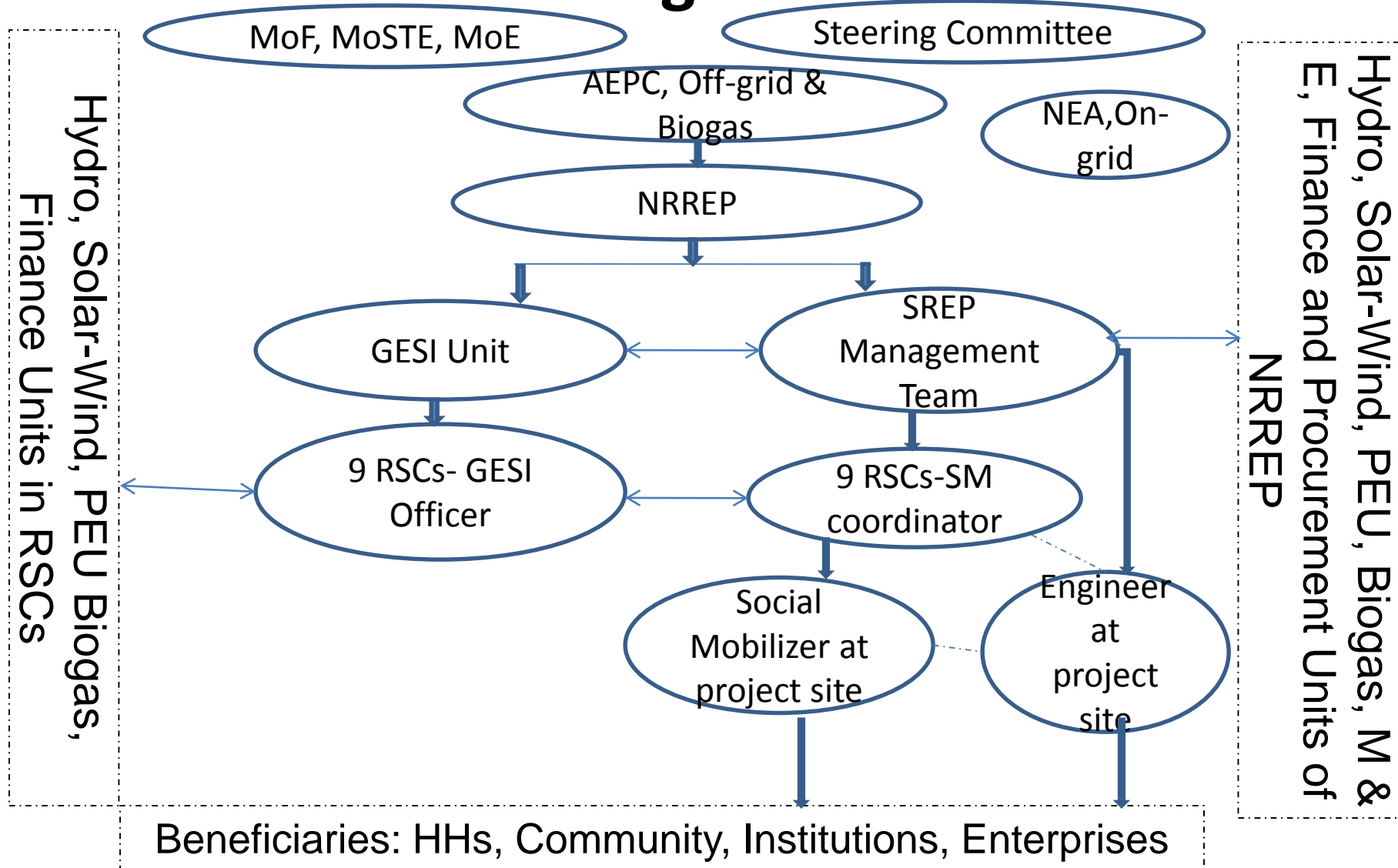
# Gender and Social Inclusion (GESI) in SREP

Activities	Indicators & Target
Below-poverty-line, disadvantaged groups and FHH electrified (Off-grid)	28,000 additional HHs supplied by mini hydro 2,500 additional HHs supplied by SWM
Women trained in the construction, O&M of mini grid systems and as customer service providers	At least 40 % women's participation
Enhance women, FHH and disadvantaged groups participation in sub-project development	At least 33% participation
Mobilize CBOs for social and environmental community development activities	At least 50% women and proportionate representation of disadvantaged groups
<p>Trainings in GESI-based community participation and management of energy systems</p> <p>Promote productive energy use activities to reduce women's time burden spent on household tasks, and women-led micro-enterprise development</p>	<p>- Five trainings</p> <p>-At least one technology promoter in each sub-project site - 50% are women</p> <p>At least 30% increase in women-led micro-enterprises</p>

# GESI Mainstreaming Ladder: Where we are?



# Aligning SREP (inc. gender) in National Program







# Questions Suggestions!



# References

- Latest GoN publication
- Gender Responsive Budgeting Formulation Guideline 2069
- SREP Investment Plan & Project Documents
- AEPC Publications
- Mr. Krishna Hari Banskota, Former Secretary, MoF/GoN
- Mrs. Nigma Tamrakar, National GESI Advisor AEPC, Gender Expert, UN WOMEN