

Nepal Biogas Promotion Association (NBPA)

Transformation from a group of bio gas companies to professional representative association in Nepal

Good practices and lessons learned!

Mohan Sharma

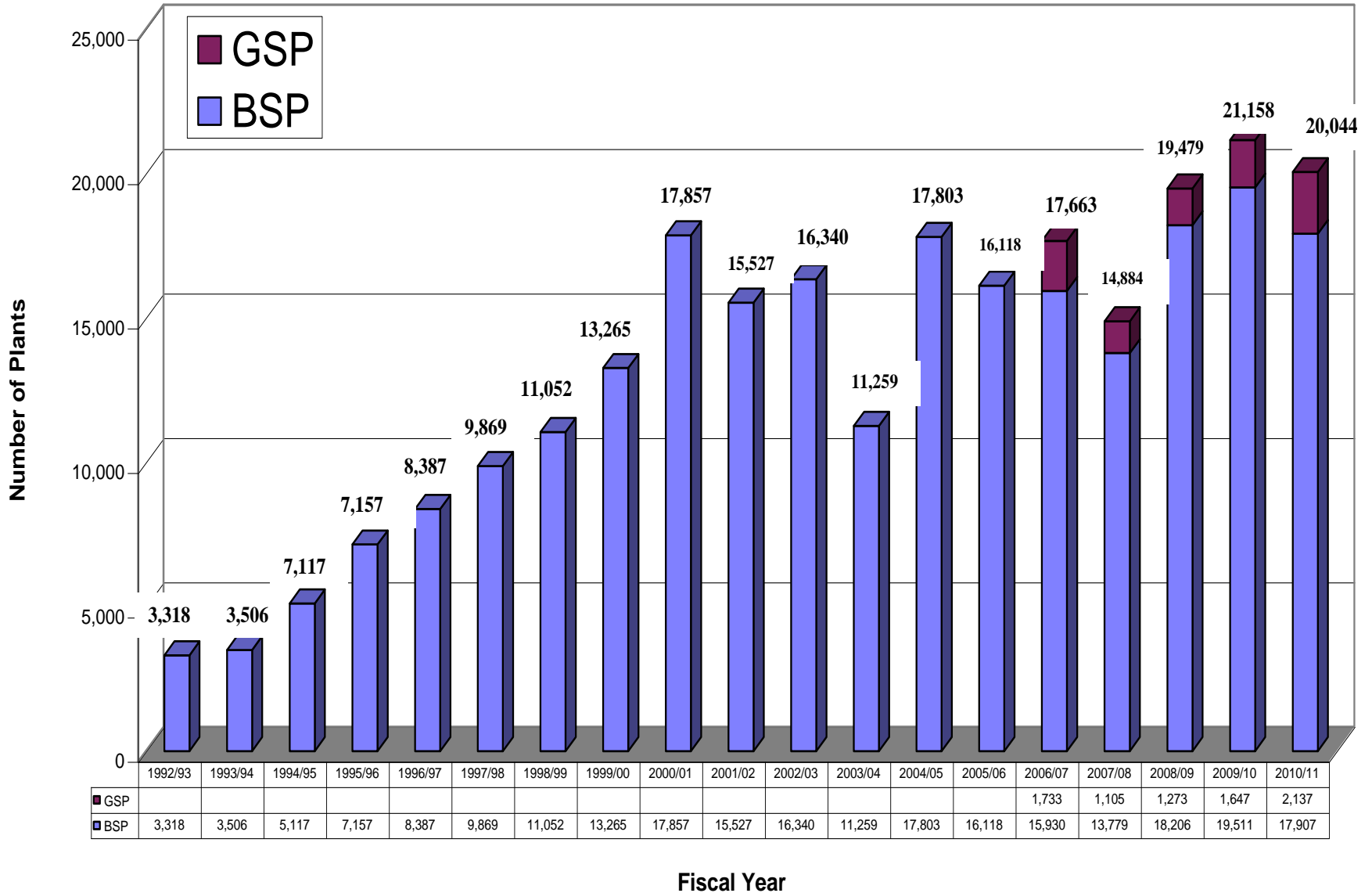
Executive Director

Nepal Biogas Promotion Association

(NBPA)

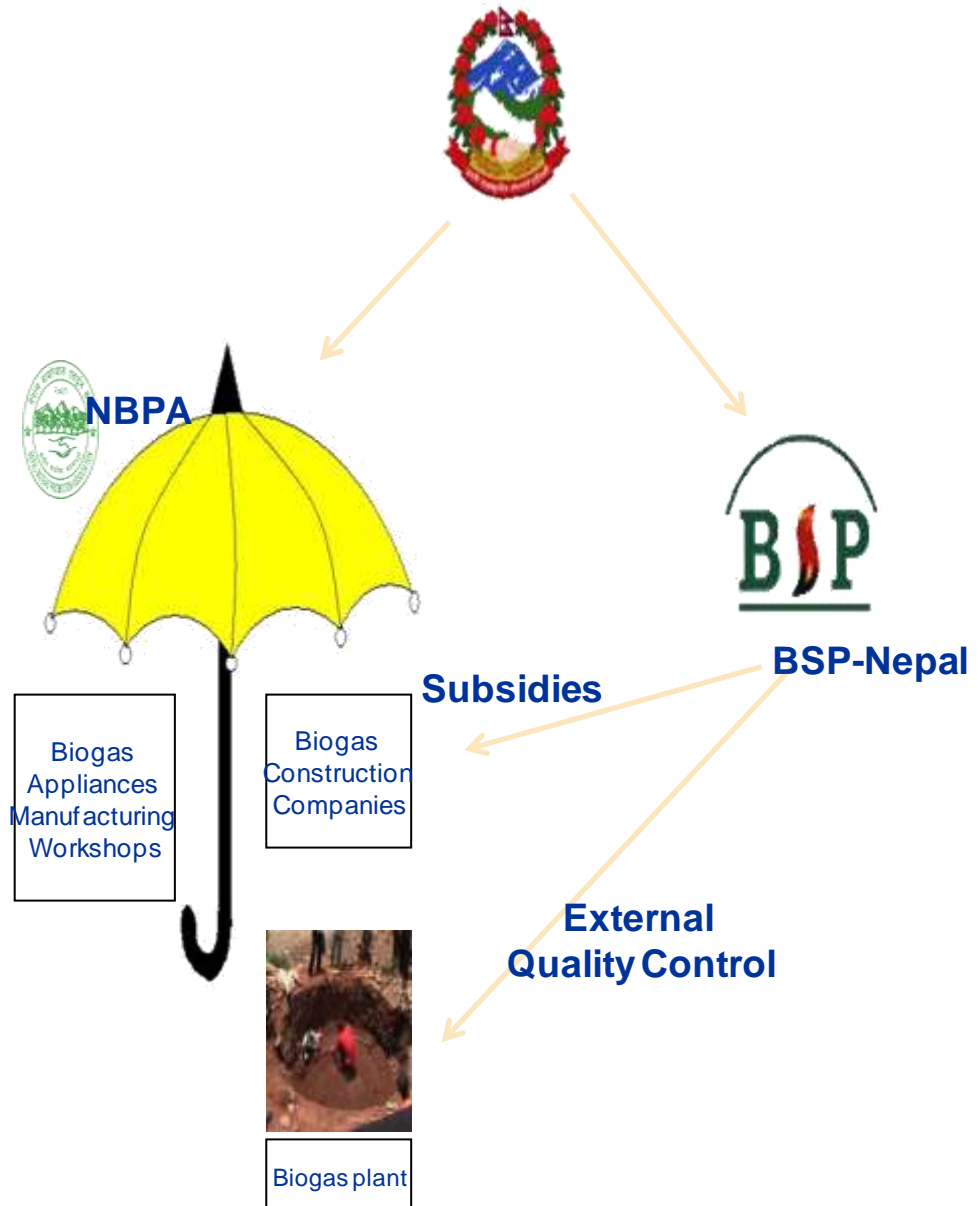
Over 242,000 Biogas plants in Nepal

Fiscal Year Wise Biogas Plant Construction



Biogas in Nepal

- Started in 1992 by SNV Netherlands Development Organisation
- Market coverage < 30% of total technical potential
- Completed IV phase & current is interim phase,
 - Joint implementation (tripartite agreement) between AEPC, BSP-N and NBPA
 - will end in July 2012
 - Funding by WB (GPOBA & CDM), KfW & GoN
 - Capacity development support by SNV and GIZ





NBPA overtime



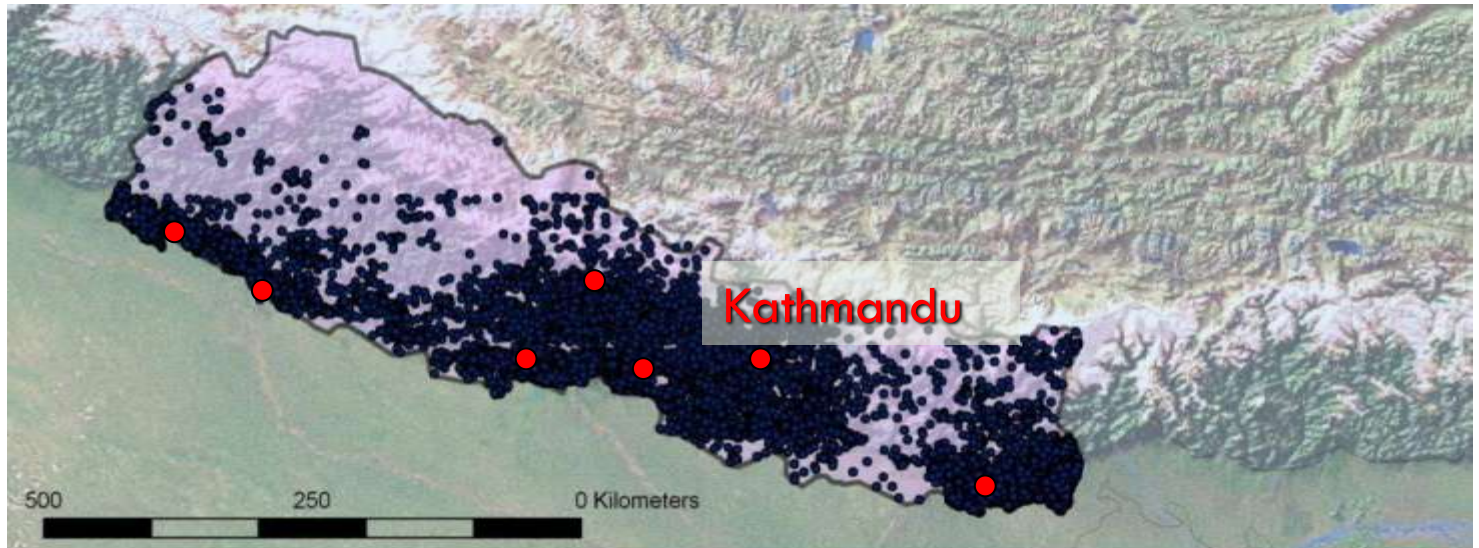
- Initially: BSP-N directly contracting companies
- NBP Group was formed to initiate collective action
- NBPA as a membership based organisation / association was registered in 1994
 - To promote, protect and develop its members (biogas companies)
- Gradual increase in the role of NBPA over time and as per developed capacity
 - Lobby for the formation of AEPC
 - Tripartite agreement
 - Establishment of regional offices
 - Increased services to members
 - Consultation with and inputs from NBPA provided for RREP formulation

Effective CD inputs received

- Strategic planning
- Association management
- Visioning and team building of the executive board members
- Setting up systems including internal quality control
- Business Development Service (BDS)
- Funding for Association operations and activities

Coverage & Outreach structure

- The member companies of NBPA cover all districts of the country:
 - remote areas of the country (remote & hills)
 - the entire segment of the community (casts)
 - per year 20'000 – 23'000 new biogas plants
- 6 Regional offices of NBPA



Topography of Nepal

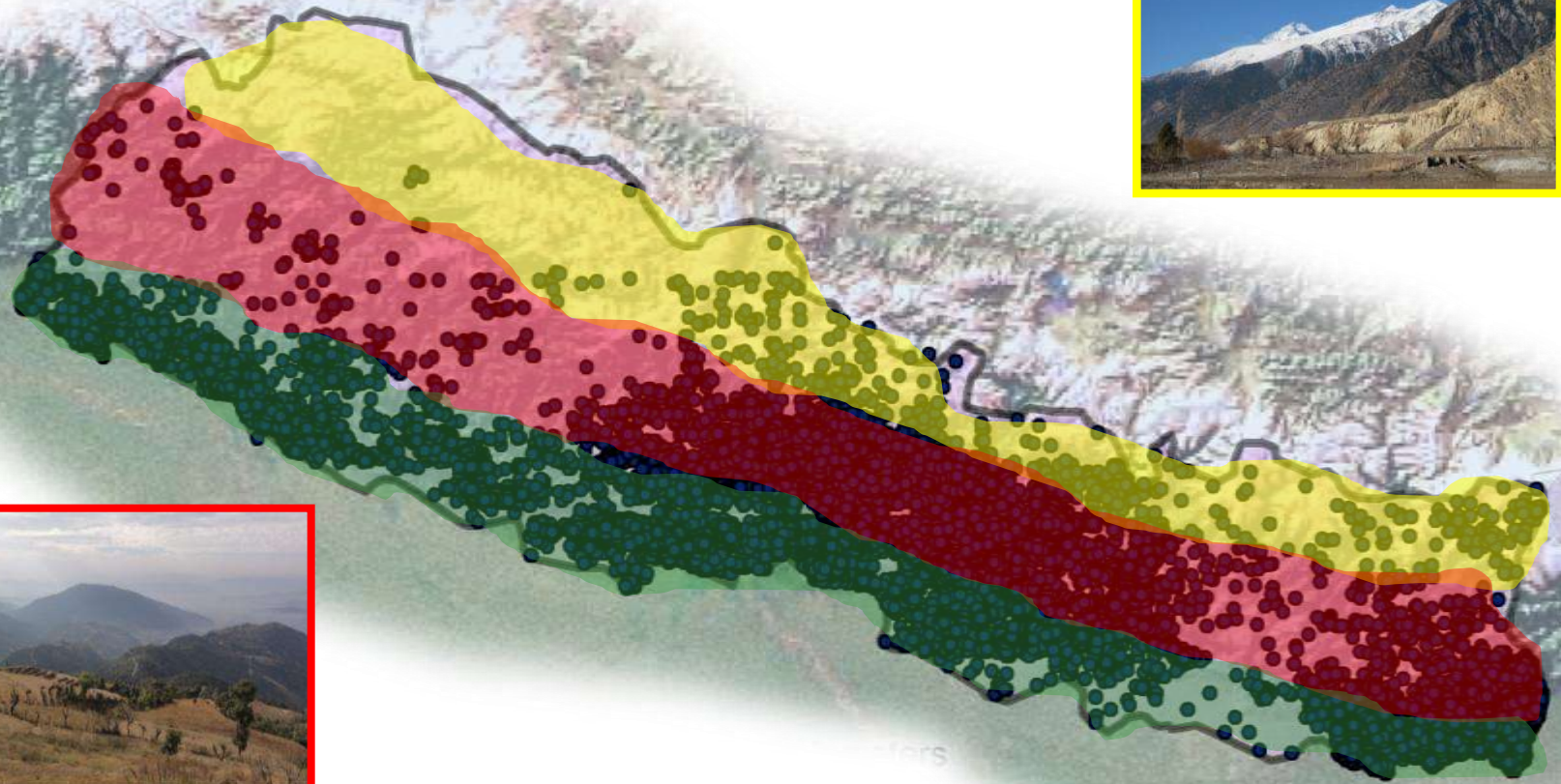
Mountain Area

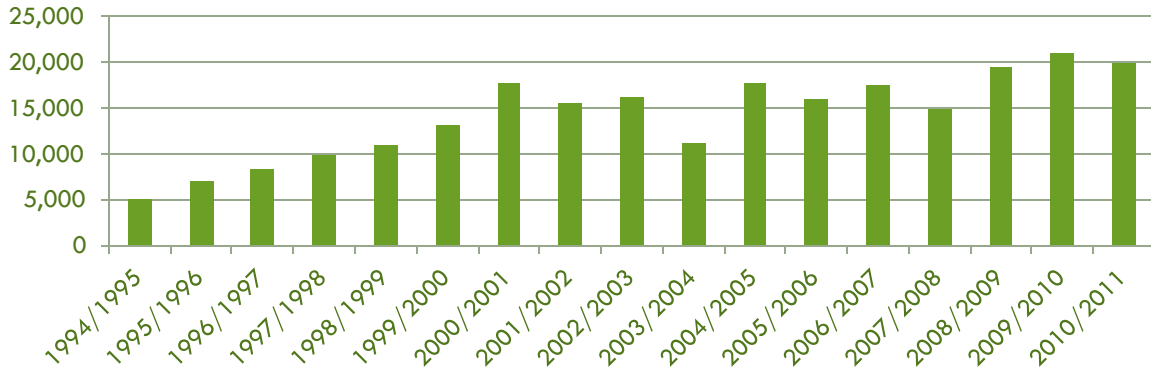


Hilly Area

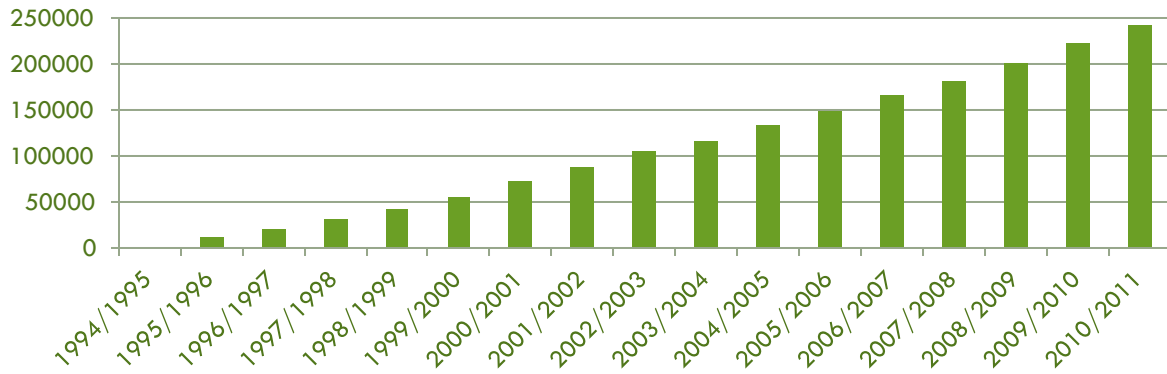


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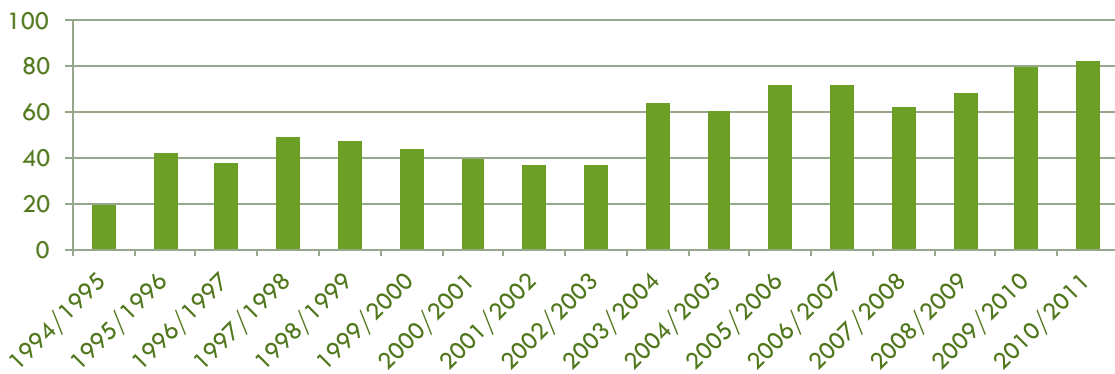




New constructed Biogas plants



Grand Sum of constructed Biogas plants



Number of registered Biogas Companies

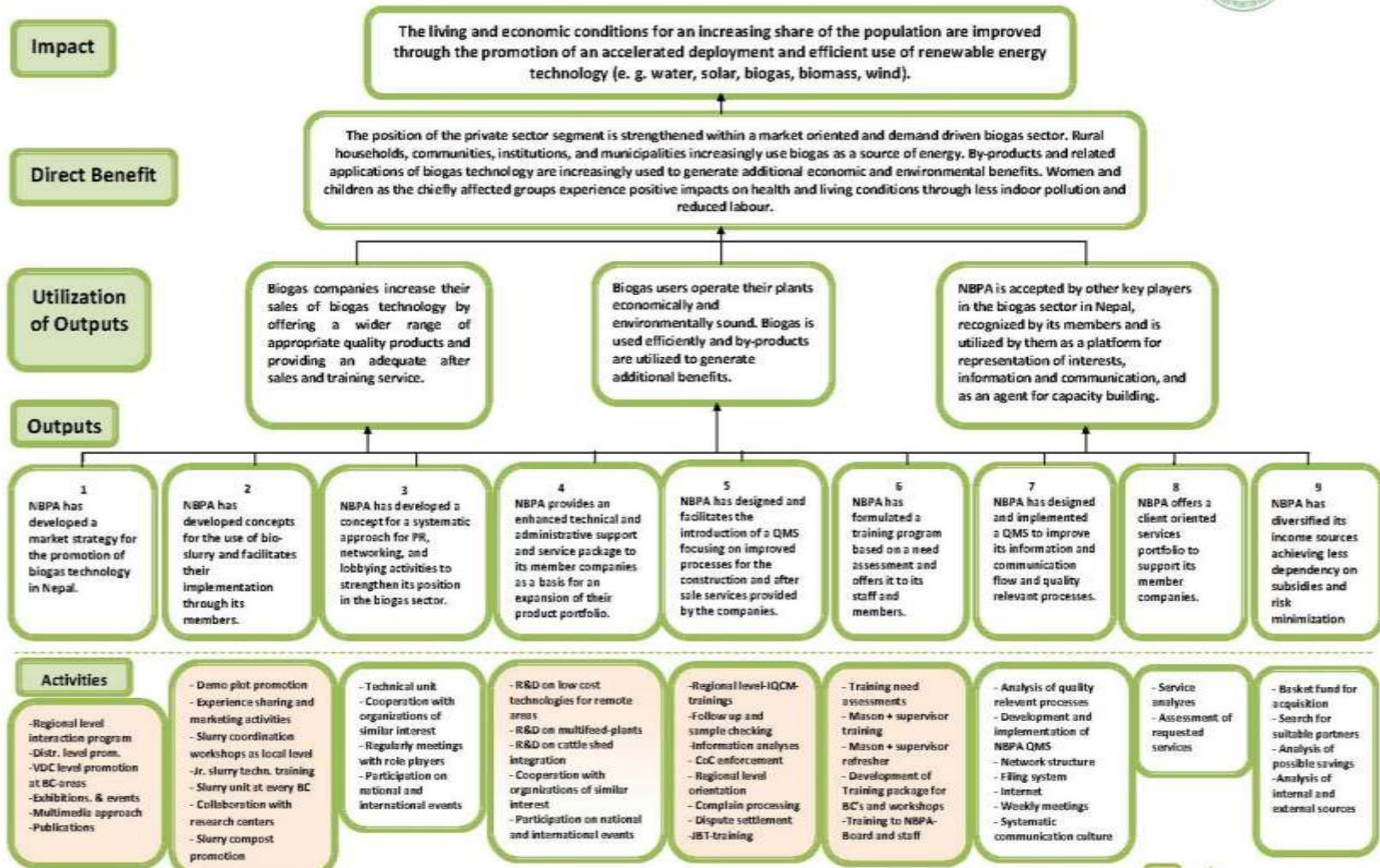
Overview of good practices

- Strategically Planning
- Quality issues
 - Code of Conduct for Companies
 - Internal Quality Control Mechanism (IQCM)
 - After Sale-Service
- Services
 - Capacity Building
 - Research & Development as per need
 - Supply of Appliances through NREDC

Strategically Planning

22.12.2010

Result Chain of NBPA 2009 - 2014



external Budget required

Code of Conduct (CoC)

- The Code of Conduct (CoC) is for the establishment of healthy competition between the companies
 - Helps to provide the quality plants and quality service to the customer.
 - Helps to maintain the clear image of this sector.
- All companies are bounded to the CoC.



Internal Quality Control Mechanism (IQCM)

- A mechanism that helps to control the quality of a biogas plant
 - to improve the construction process
 - to foster the service performance to the biogas users.
- IQCM is process oriented quality control system
- Implementation as pilot phase in 6 districts after Dec. 2011- later in all Nepal.



After Sale Service (ASS)

- Revive and improve the efficiency of old plants in PREIP-Programm – Pilot program done, Nationwide program in 2012
- Development of comprehensive testing procedure for extended ASS
- Extension of the Warranty period up to 7 years (ongoing process)



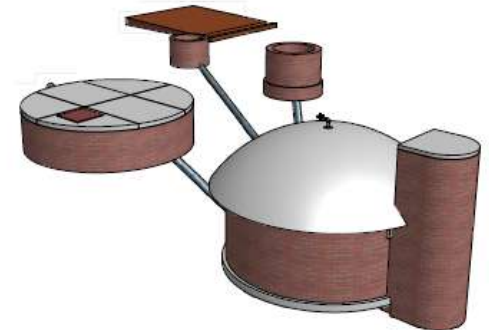
Capacity Building

- More than 5000 trained masons & supervisors for the sector by NBPA
- Supporting the companies by providing various trainings: Management skills, Occupational Safety, Computer Skills, Accounting, etc..



R&D as per need

- NBPA has conducted various demand-oriented Research and Development programs for uplifting the sector:
 - R&D lab has been established for testing fittings and appliances before delivering to the companies.
 - Development of new biogas designs & testing in the field together with the companies



Supply of Appliances

- NREDC is the sister organization of NBPA
- NREDC has been established to provide quality fittings and appliance to the companies and customer.
- NREDC delivers the required appliances to the companies for reasonable prices.



Lessons learned & Outlook

- The genuine innovation potential of the private sector has to be considered for a vivid market.
- The market is changing: Continuous Adjustment of the product portfolios and techniques are required to meet the market demand (Urbanization / Waste to Energy).
- The After Sale Service period should be extended
- CDM-revenues as long lasting source of funding are important for reliable development.

Four pillars of effective association

- Visionary leadership
- Active and receptive Executive Committee members
- Well equipped and capable secretariat
- Active general members

Thank you!



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