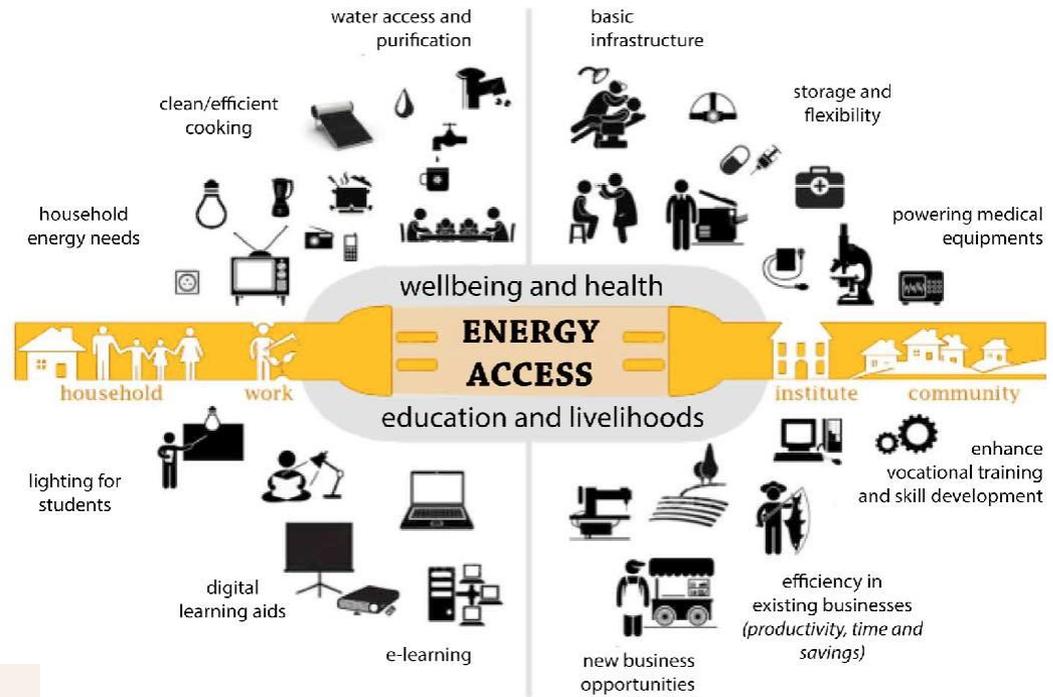




Policy, Financing and Business Models

SELCO Foundation | RRA Bhutan Validation Workshop



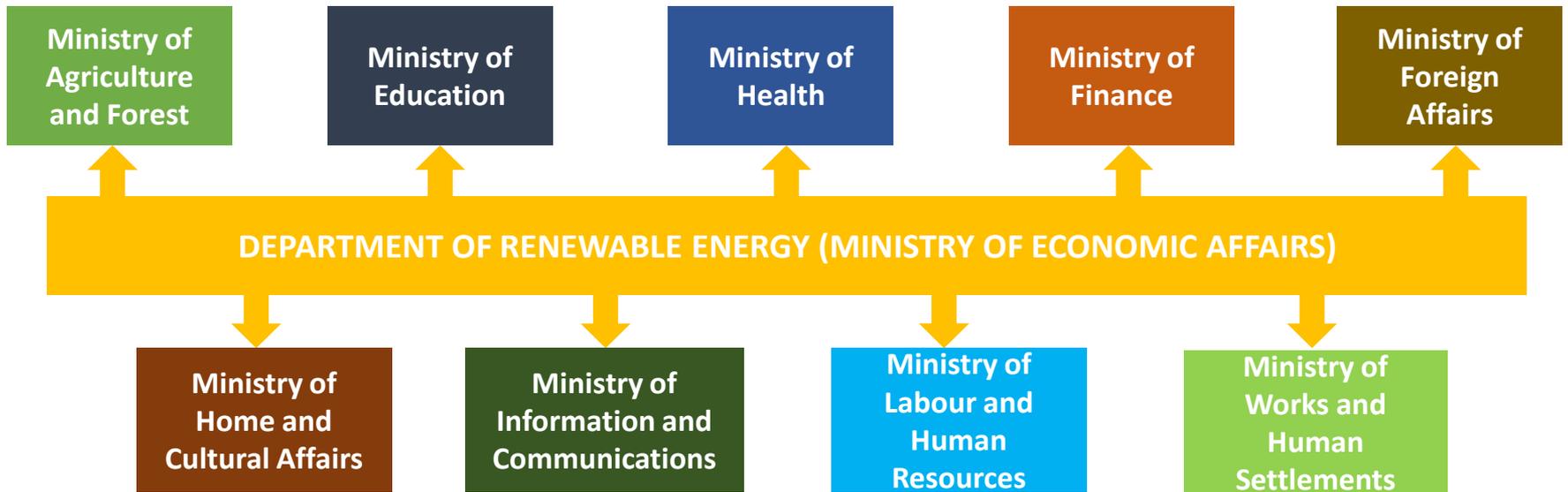


Reliable energy is a means to catalyse development in all spheres



Sustainable energy driven solutions is a means to catalyze development in all spheres

Vision for DRE in Bhutan



DRE for Dairy Farming



MILKING

System of harvesting milk quickly and gently



Energy Intervention
Milking Machine



COLLECTION

Harvested milk collected at collection centres



Energy Intervention
Weighing and Testing



VALUE ADD

Shaking up the milk/cream to make butter



Energy Intervention
Butter Churners



DRE for Dairy Farming



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System of harvesting milk quickly and gently



Milking Machine



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Weighing and Testing



VALUE ADD

Shaking up the milk/cream to make butter



Butter Churners

VALUE CHAIN and ECOSYSTEM for DAIRY FARMING

- Reaching out to the **small dairy farmers** versus the big dairy farmers
- Improving entrepreneurship in Dairy, by improving **market linkages**- ensuring most value to farmers in early stages of entrepreneurship
- Infrastructure for dairy farmers- **collection centres, cold storage units, quality assurance and testing, sales and branding**
- Veterinary **health services**, distribution of nutritious feed for the cattle
- Financial assistance, **training and hand holding** on value add services once the demand starts growing

Incubating the DRE Value Chain

Manufacturing and Component Supply (Vendors)

Efficient Milking
Machines
Solar Panels
Battery
Charge Regulator
Mounting Structure
etc



Last Mile System Integrators

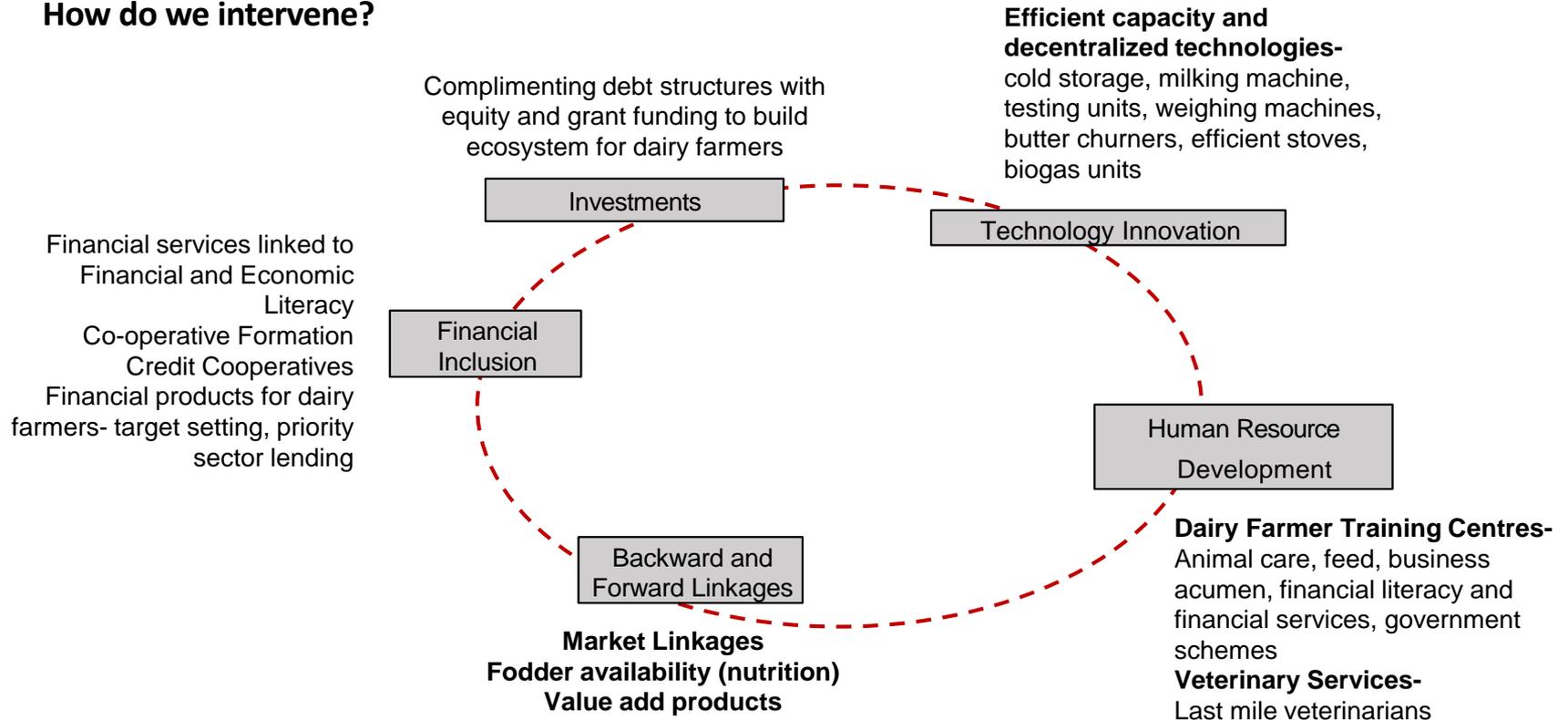
Entrepreneur
Sales Executives
Technicians
Service Technicians
etc



Users

DRE for Dairy Farming

How do we intervene?



DRE for Dairy Farming

Where do we intervene?

Philanthropies, Government Funds, Aid Agencies etc

Complimenting debt structures with equity and grant funding to build ecosystem for dairy farmers

Investments

Financial services linked to Financial and Economic Literacy
Co-operative Formation
Credit Cooperatives
Financial products for dairy farmers- target setting, priority sector lending

Financial Inclusion

Nationalised Banks, MFIs and other financial institutions

Backward and Forward Linkages

Market Linkages
Fodder availability (nutrition)
Value add products

Cooperatives, Government Programs under Ministry of Agriculture

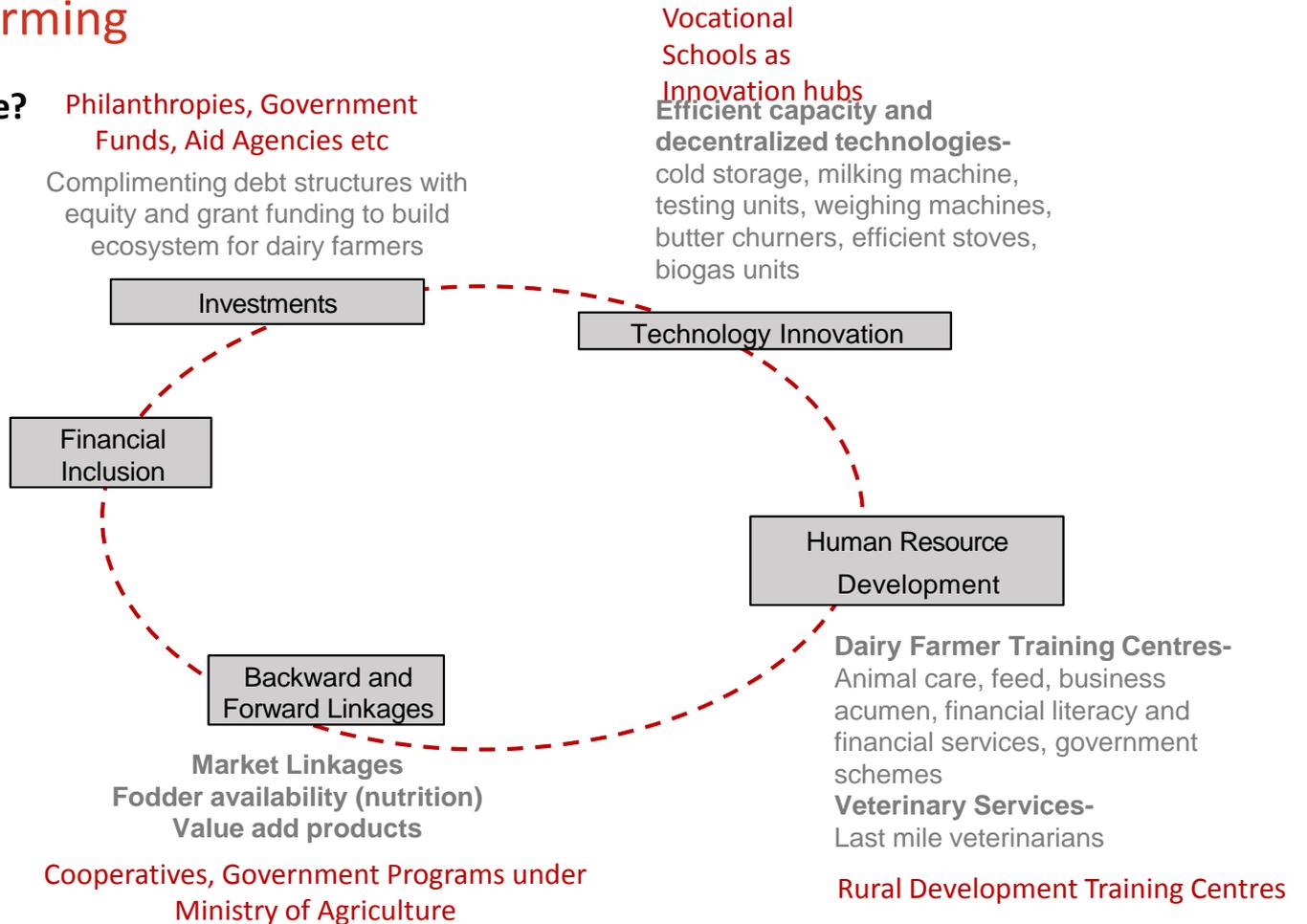
Technology Innovation

Vocational Schools as Innovation hubs
Efficient capacity and decentralized technologies- cold storage, milking machine, testing units, weighing machines, butter churners, efficient stoves, biogas units

Human Resource Development

Dairy Farmer Training Centres- Animal care, feed, business acumen, financial literacy and financial services, government schemes
Veterinary Services- Last mile veterinarians

Rural Development Training Centres

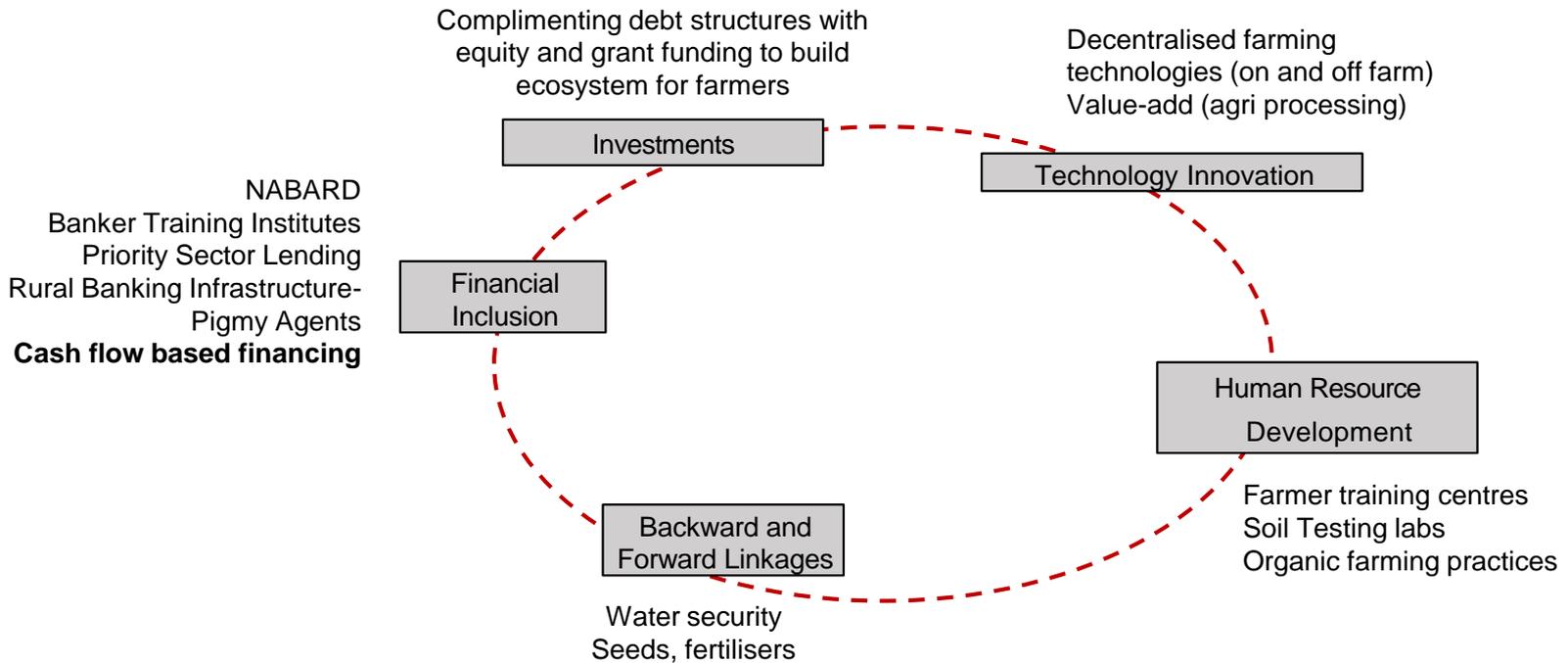


DRE for Agriculture (Value-add)



DRE for Dairy Farming

How do we intervene?

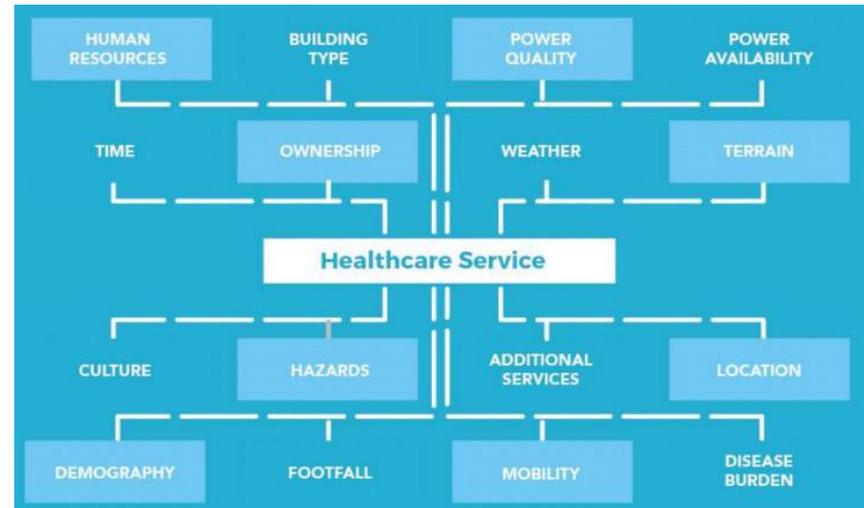


Linking Skilling Centres to Financial Inclusion Efforts

LIVELIHOOD TRAINING CENTRE + FINANCE

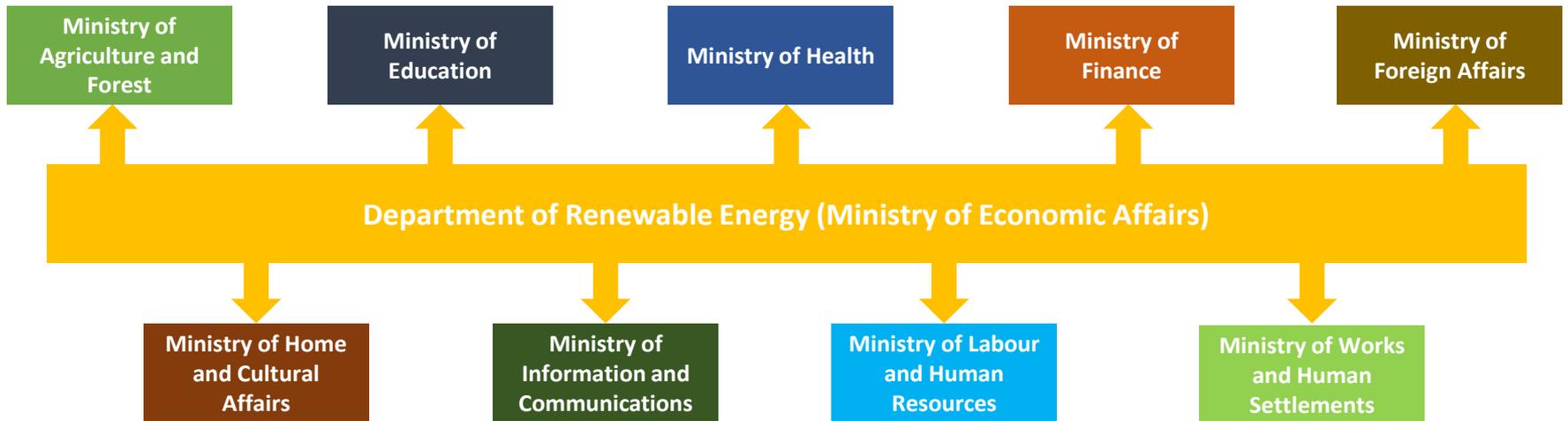


Strengthening last mile delivery of health through DRE



Vision for DRE in Bhutan

LINKAGES WITH OTHER EXISTING PROGRAMS





THANK YOU