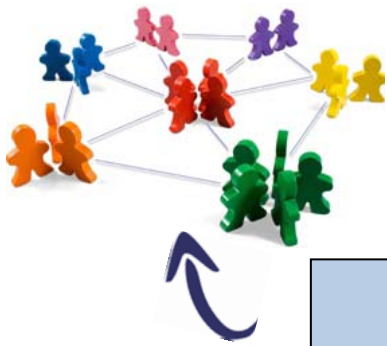# Designing the Clean Technology Centre & Network: Maximizing Effectiveness and Sustainability

Dr. Ajay Mathur
Ministry of Power
Government of India
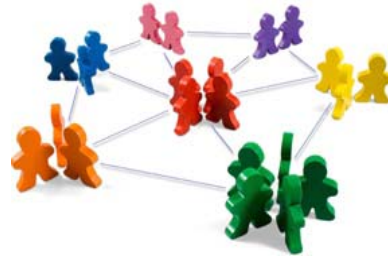
Network 3:
• Innovation- Energy Storage Technology

Network 2:
•Capacity building- Building Energy Efficiency

Network 1:
• Project preparation for renewables

Climate Technology Centre

Stimulate Technical Development and Transfer

Provide Technical Assistance

Facilitate and establish networks

Request from Developing Country

• *Develop a project for installation of Renewables*

Network 4:
•Innovation - Project Preparation- Distributed Biomass- to-Electricity Technology

Network 5:
•Project Preparation
•Capacity Building
•Innovation– Climate early warming systems in Island Countries

Network 6:
•Project Preparation Industrial Energy Efficiency in India

2

Network for Preparation of Renewable Energy Projects

Financial
Experts

Regional
Experts

Network
Hub/
Coordinator

Sectoral Energy Experts

Industry
Experts

Network for Capacity building for design of energy efficient buildings

Builders/Developers
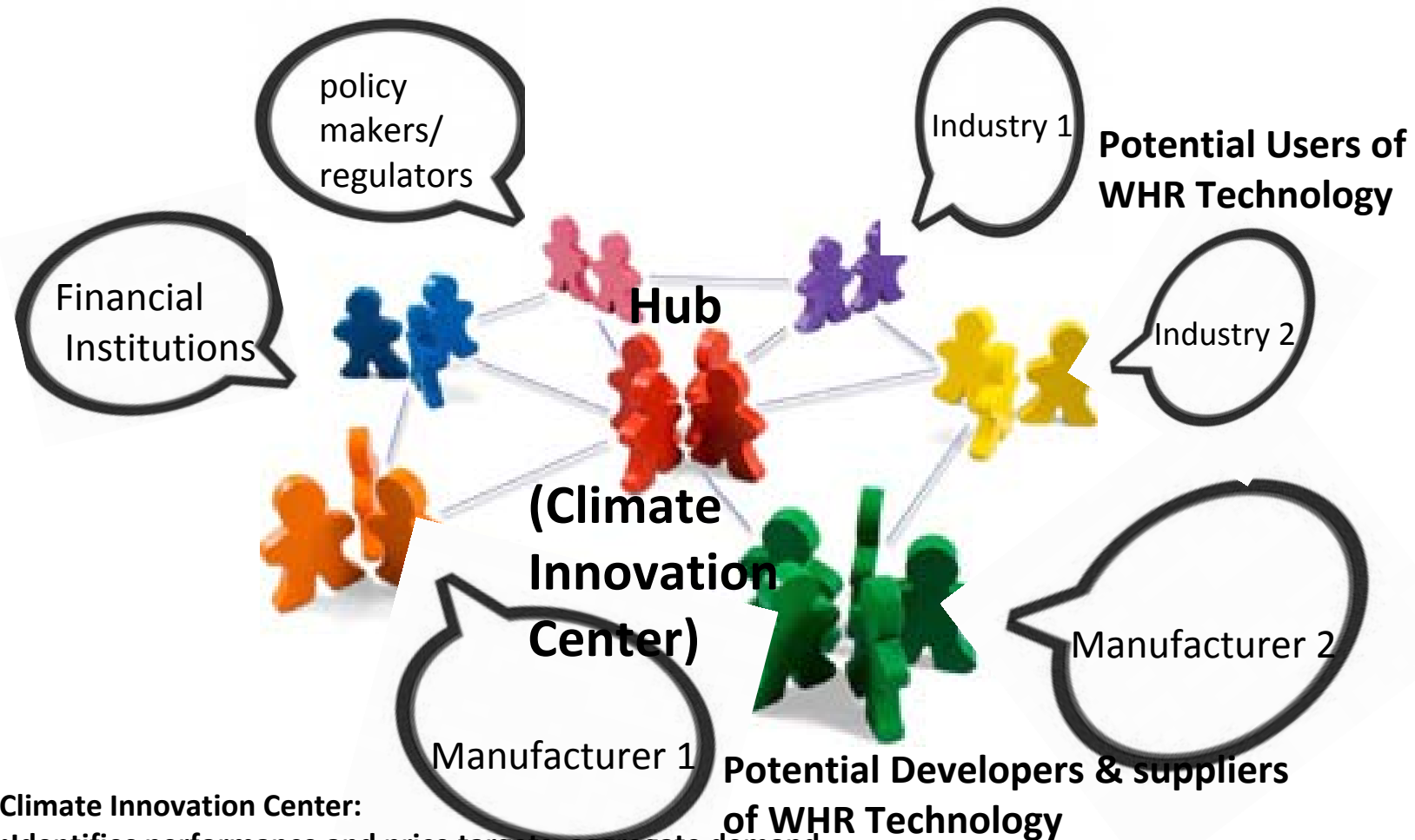
Building design experts

Network Hub/ Coordinator

Equipment/ Component experts

Compliance

Network for Energy Storage Innovation

Potential Users of WHR Technology

policy makers/ regulators

Industry 1

Financial Institutions

Hub

Industry 2

(Climate Innovation Center)

Manufacturer 2

Manufacturer 1

Potential Developers & suppliers of WHR Technology

Climate Innovation Center:
- **Identifies performance and price targets; aggregate demand**
- **Develops consortia and collaborative roadmap**
- **Facilitates financing - from private sector, Natural system of Innovation, Bilateral/ Multilateral funds(Including Climate Fund)**
- **Enables Technical Assistance**
- **Facilitates early pilots**
- **Promotes replication and long term actions**

Identification of Networks

Initially, no networks exist

CTC will need to facilitate establishment of networks that respond to country requests

Developing Country partners need to provide early intimation of the kinds of requests and of the volume of requests

CTC may assess feasibility of requests and prioritize requests

CTC may, through a transparent process invite, evaluate and select a consortia/network that meets the requests

Future requests may be directed to the appropriate network

Selection of CTC

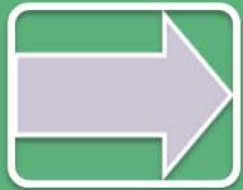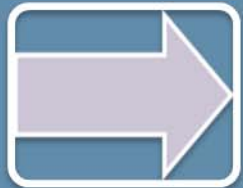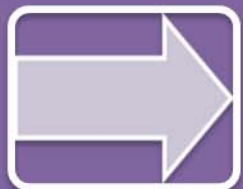| Experience in	Capability to	Willingness for	Ease of travel and connectivity
• Technology development and transfer • Innovation in technology and business models • Collaborative actions • Project management	• Host CTC in terms of office space, expatriate staff and logistic support • Provide access to technical, human and financial resources	• Long term commitment • Financial / infrastructural / human resource support	• Preferably in a developing country

Activities of CTC

Receive developing country and requests for technology development and transfer, and identify appropriate network to respond to the requests

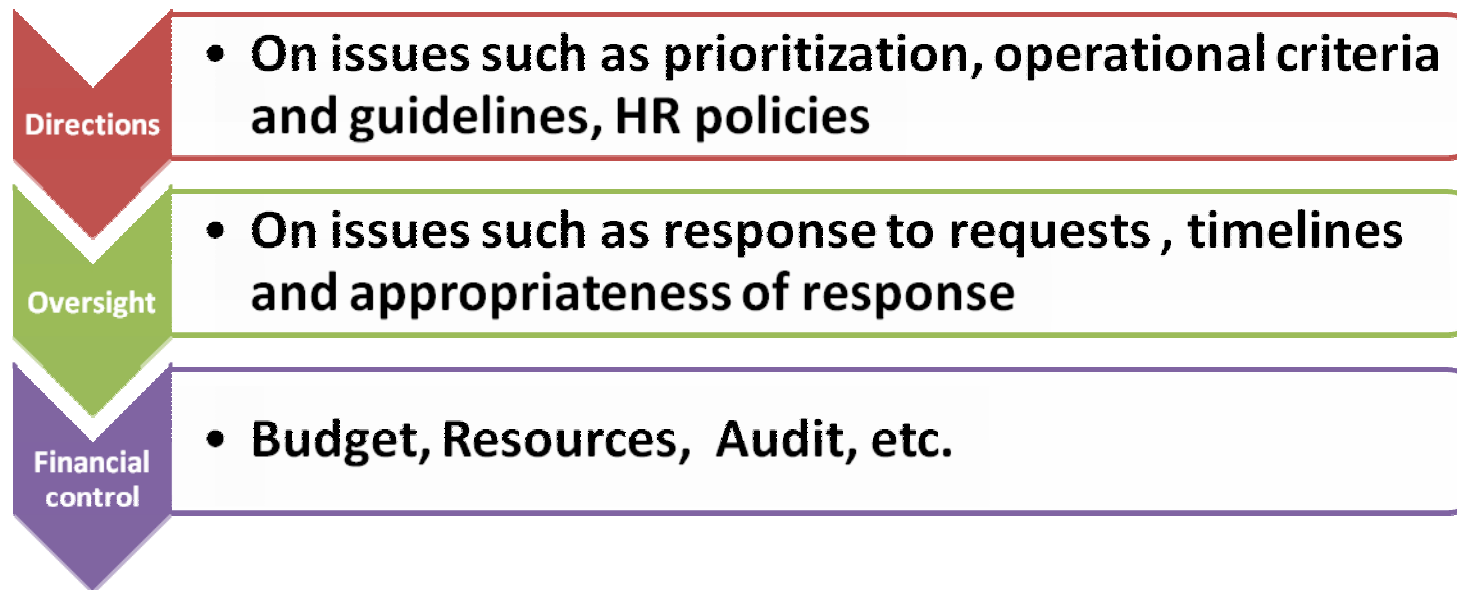**Stimulate collaboration with a range of institutions for technology development and transfer**

Enable learning and transfer of experience and knowledge

Manage the request- response process and facilitate necessary funding to enable timely implementation by the appropriate network

Governance of CTC

- CTC to have a governing body of senior technical experts drawn from various countries (developed and developing) elected by parties

- Governing body to provide policy

Directions
- On issues such as prioritization, operational criteria and guidelines, HR policies

Oversight
- On issues such as response to requests, timelines and appropriateness of response

Financial control
- Budget, Resources, Audit, etc.

- TEC could be the governing body

Financing of CTC & N activities

- **CTC staff and activities**
- **Network coordination(HUB) activities**

Core funding - Climate Fund, Host country /Institution, other donors

- Project Preparation
- Capacity building
- Innovation activities
- Initial Dissemination
  - Partial Grant
  - Interest buy down
  - Risk Capital/ Partial Risk Guarantee

Activity funding - Climate Fund, Donors, Host country, Private sector

Thank You!