Energy, Environment & Development

Prasad Modak
You need an overarching theme

- Combating Climate Change is one such theme
- Addresses energy, environment & development
- Has local, regional and global relevance
- Raises debate on Sustainability and Development
Theme needs to have a mission mode

• Targets
• Resources
• Emphasizing Integration
• Stimulating Collaboration

• National Action Plan for Climate Change
• Aspiration towards Low Carbon Goods and Services
Some key Ingredients

- Prioritization and Planning (which goods and services?)
- Life cycle thinking (GHG emissions across life cycle)
- Mapping of the challenges and opportunities
- Identification of stakeholders
- Innovation as response - Design, Materials, Technology..
- Are we addressing Needs, on right Scale & offering Localization
- Financing
- Policy Research
- Building institutional capacities & knowledge networks towards Low carbon goods and services
Tools and Processes

• Internship, mentoring
• Learning while doing – with concurrent project development and operation of knowledge networks
• Research & Practice workshops

• There are several ..
The IAAD Nodal Ecosystem

Government → Investors → Social Development Agencies → Technology Providers

Generate Data Information Knowledge → Research to Improve Practice → Leadership and Entrepreneurship

IAAD Node → Interns → IL&FS Projects

Academic & Research Agencies → Faculty

Offerings of Sustainability based courses → Influence Education → New Collaborations

Policy reforms → New Business Models → New Development Paradigms → Technology Innovation

OUTCOMES
Thematic Node structure of IAAD
Stakeholder based Nodal Structure of IAAD Network
Low Carbon Cities Plan

Contact Session 1
- Sensitization

Contact Session 2
- Program Understanding

Contact Session 3
- Scoping

Contact Session 4
- Projectization

Contact Session 5
- Institutional Arrangement

Contact Session 6
- Financing

At City level activities will happen such as data collection, project development, stakeholder consultation workshops

6 Months, 6 Contact Sessions, 6 Cities
Week 3 – Contact # 2 – City 2

- Duration – 2 days
- City Diagnosis Tools
- Use of IT GIS/RS, Mobile devices

Jt. MC/ Chief Engineers/ HODs CBOs, Business Associations Academia/Research Organizations

- Presentations of City Profiles
- Establishing Baseline and Indicators
- Identification of Issues
- Interventions already identified and under implementation
- Listing of studies to be carried out

Week 3 – Contact # 2 – City 2

- Duration – 2 days
- City Diagnosis Tools
- Use of IT GIS/RS, Mobile devices

Jt. MC/ Chief Engineers/ HODs CBOs, Business Associations Academia/Research Organizations

- Presentations of City Profiles
- Establishing Baseline and Indicators
- Identification of Issues
- Interventions already identified and under implementation
- Listing of studies to be carried out
Week 6 – Contact # 3 – City 3

- Duration – 3 days
- Low Carbon/Sustainability in Project design
- Best practices and Case studies

- Analyses of Alternatives, Identification of Pilots & Programs
- Group work
Week 15 – Contact # 4 – City 4

• Duration – 4 days

Deliberations on
• Detailed Project Reports
• Extended Cost-Benefit Analyses
• Striking PPPs

Jt. MC/ Chief Engineers/ HODs, CBOs, Research & Academia, Private Sector, Investors

• Presentation of projects with estimation of costs, benefits/outcomes
• Institutional arrangements
• Modes of Financing
Week 19 – Contact # 5 – City 5

- Duration – 5 days

Deliberations on
- City wise DPRs
- Striking PPPs
- Feedback from City level Consultation Workshops

City 1

AMCs, Ward Officers, Executive Engineers/ CBOs, Business Leaders/Associations, Investors

City 2

- Action plan for presentation to Standing Committee

City 3

- Action Plan for Potential investors

City 4

- Procurement/ Engagement Plan

City 6

City 5

• Procurement/Engagement Plan
Week 24 – Contact # 6 – City 6

• Duration – 1 day

Presentations on Low Carbon City Development Plans
Illustration of Research to Practice Workshops

Theme – Nanotechnology for Water Purification

3 Days Interaction

Researchers, Practitioners, Investors and Regulators/Policy Makers align