

# 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

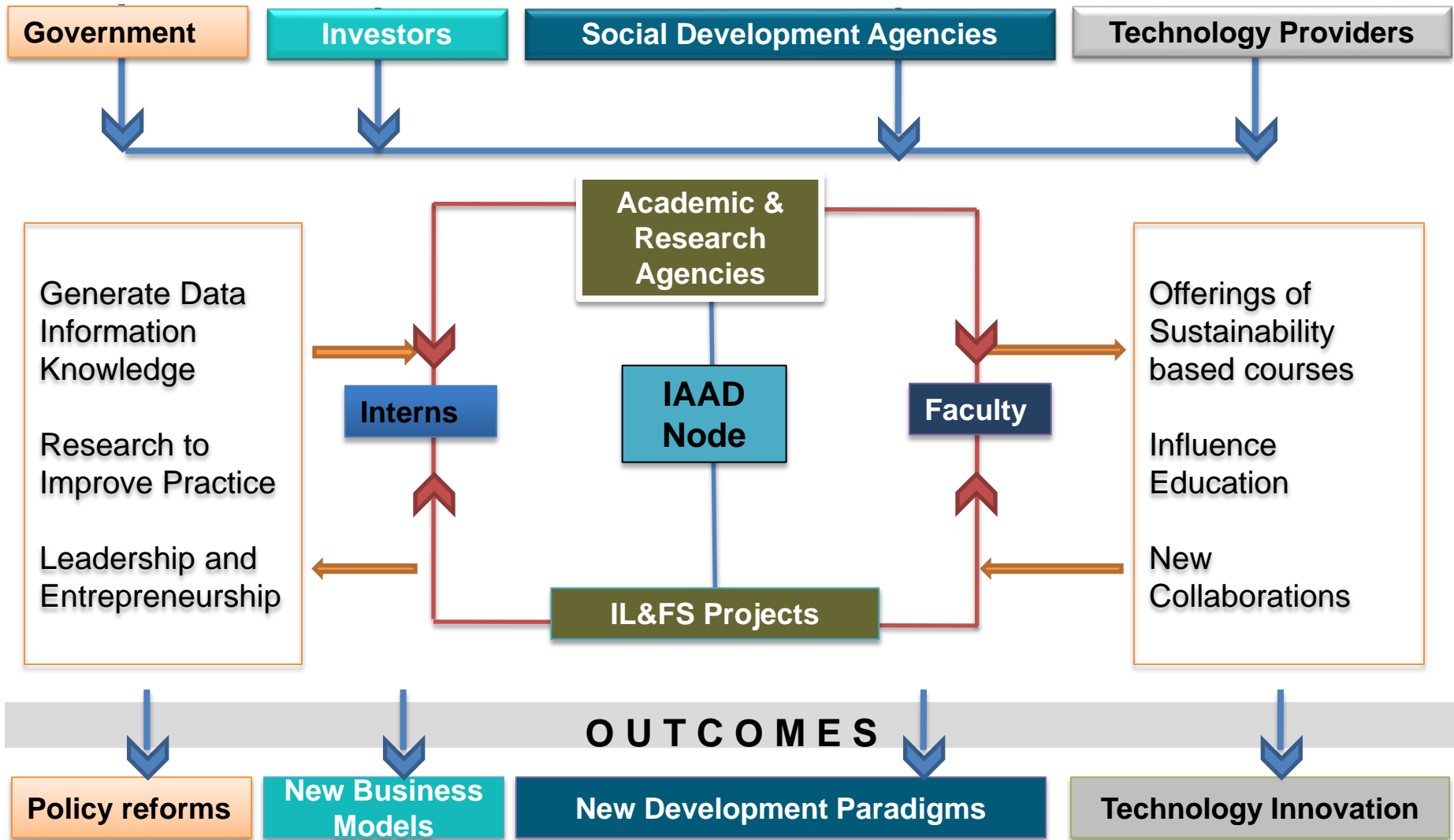
# Some key Ingredients

- 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

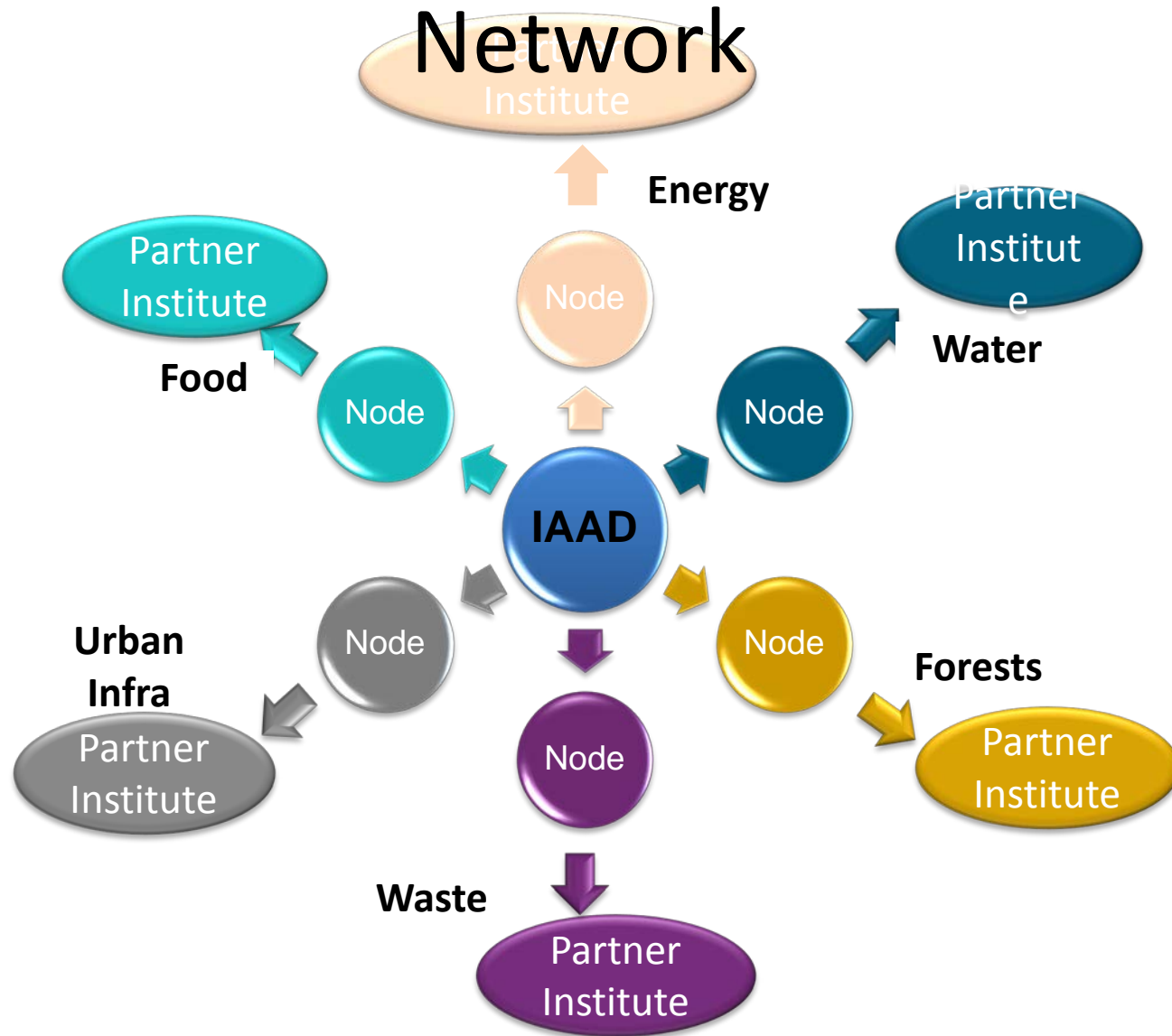
# Tools and Processes

- Internship, mentoring
- Learning while doing – with concurrent project development and operation of knowledge networks
- Research & Practice workshops
  
- There are several ..

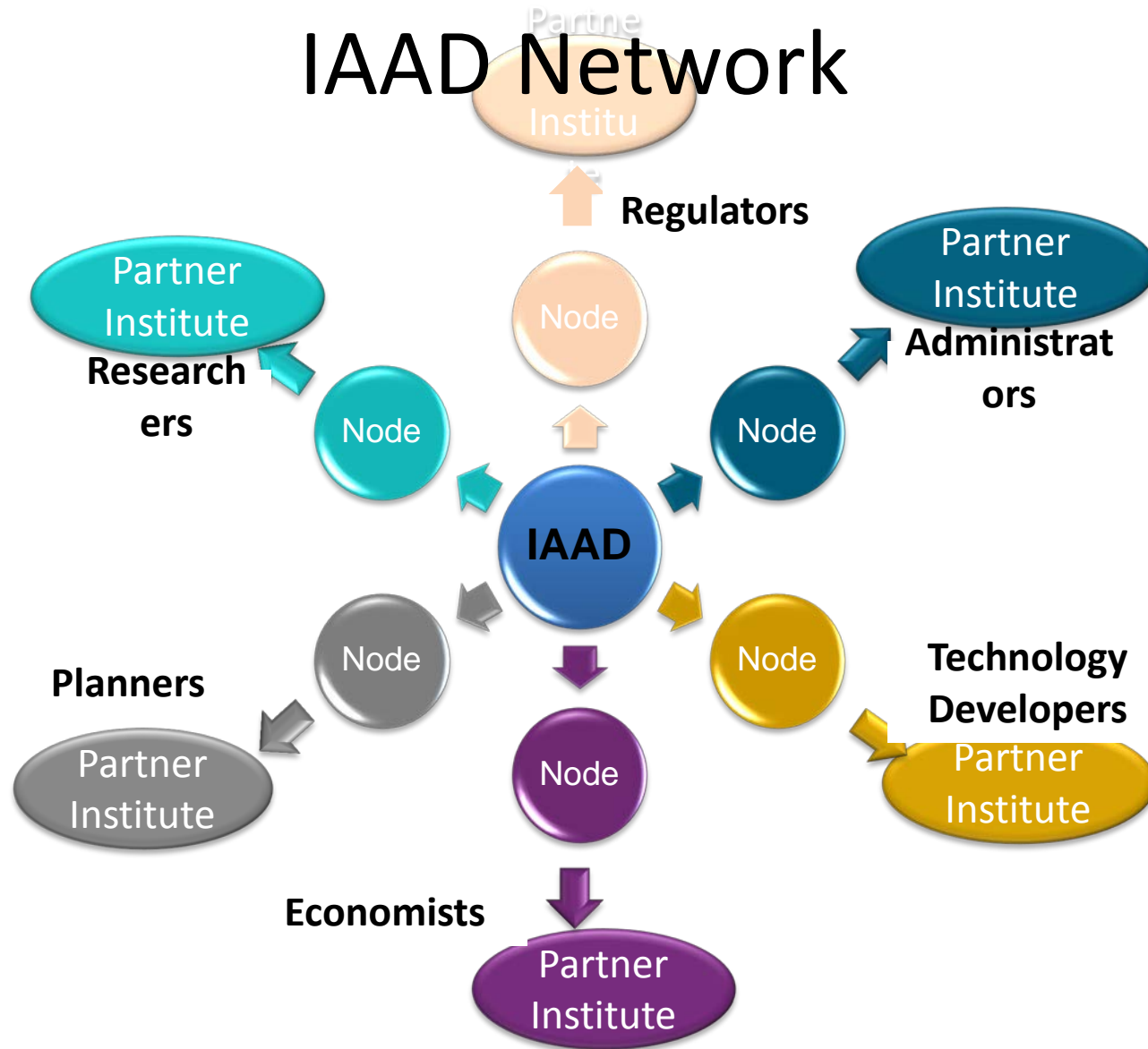
# The IAAD Nodal Ecosystem



# Thematic Node structure of IAAD

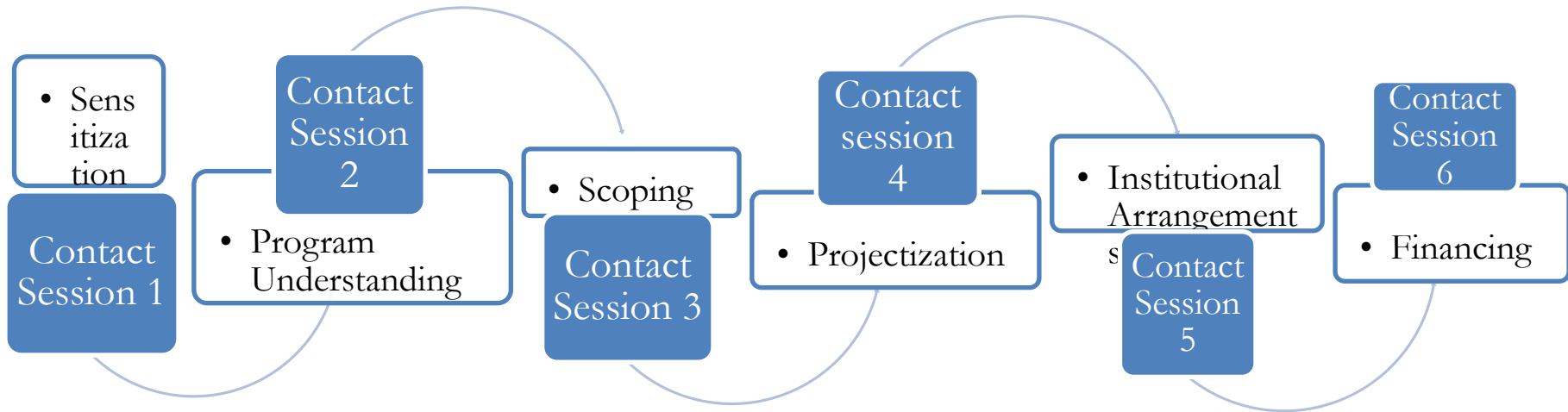


# Stakeholder based Nodal Structure of IAAD Network





# Low Carbon Cities Plan

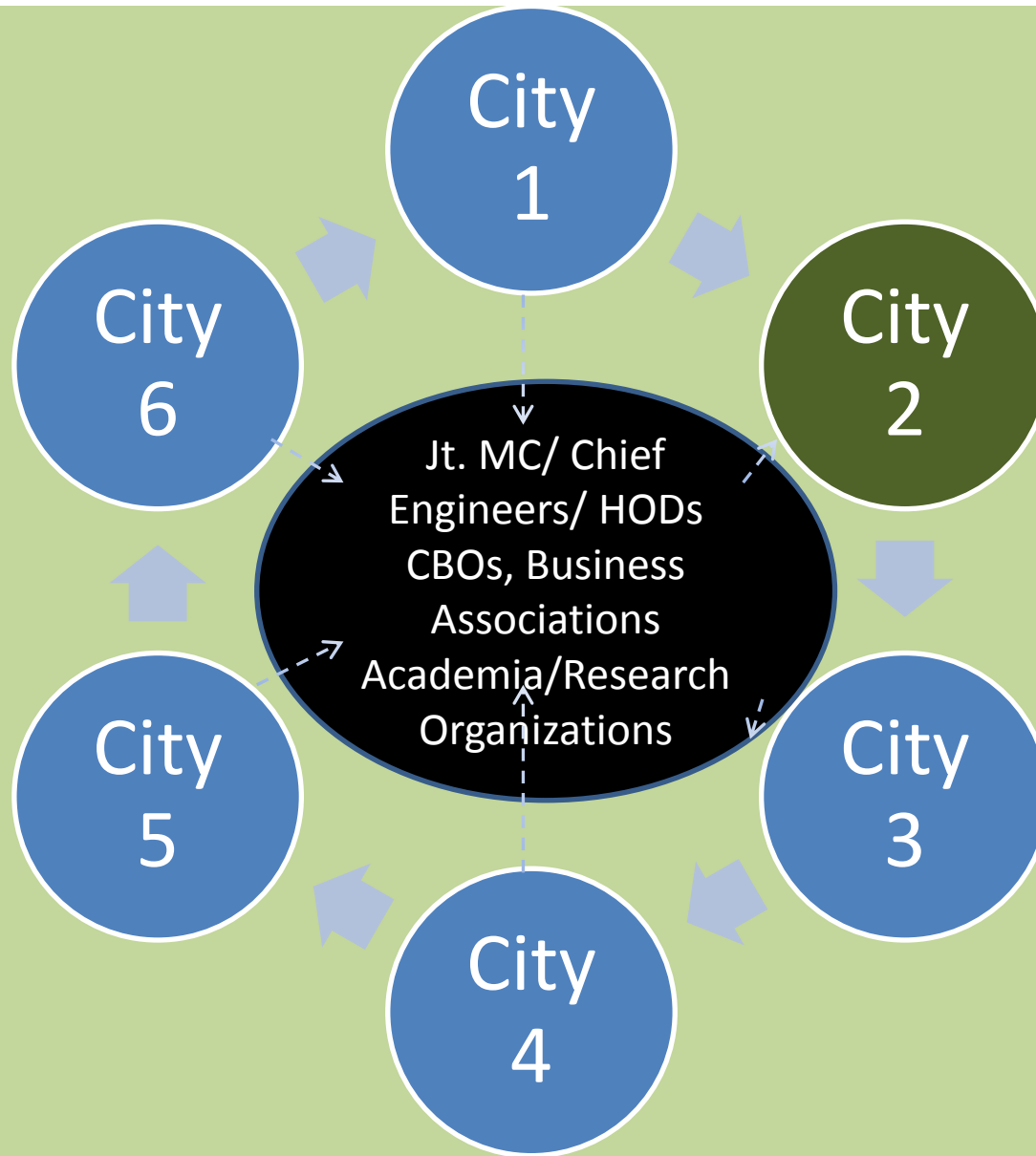


At City level activities will happen such as data collection, project development, stakeholder consultation workshops

**6 Months, 6 Contact Sessions, 6 Cities**

# Week 3 – Contact # 2 – City 2

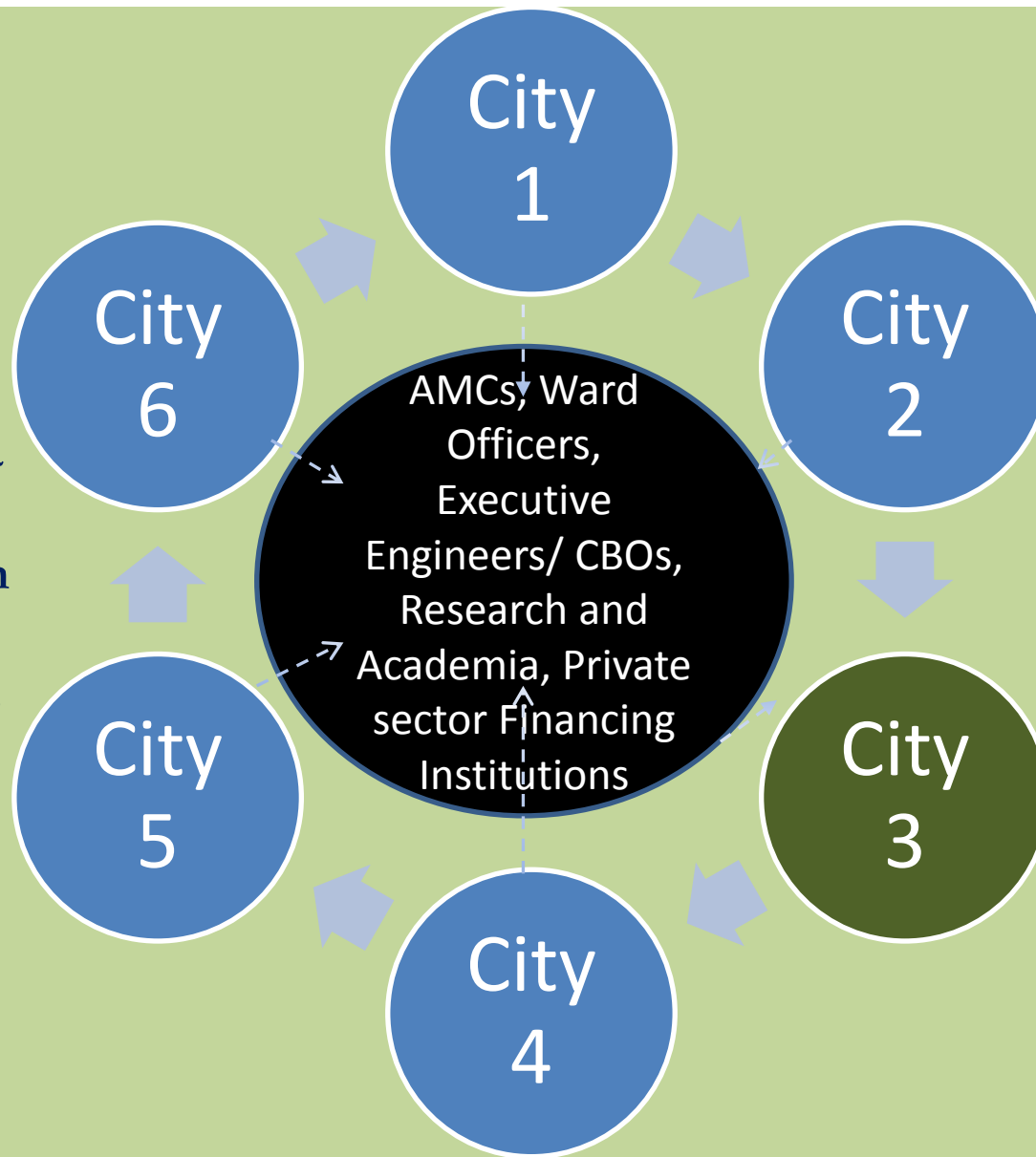
- Duration – 2 days
- City Diagnosis Tools
- Use of IT GIS/RS, Mobile devices



- 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

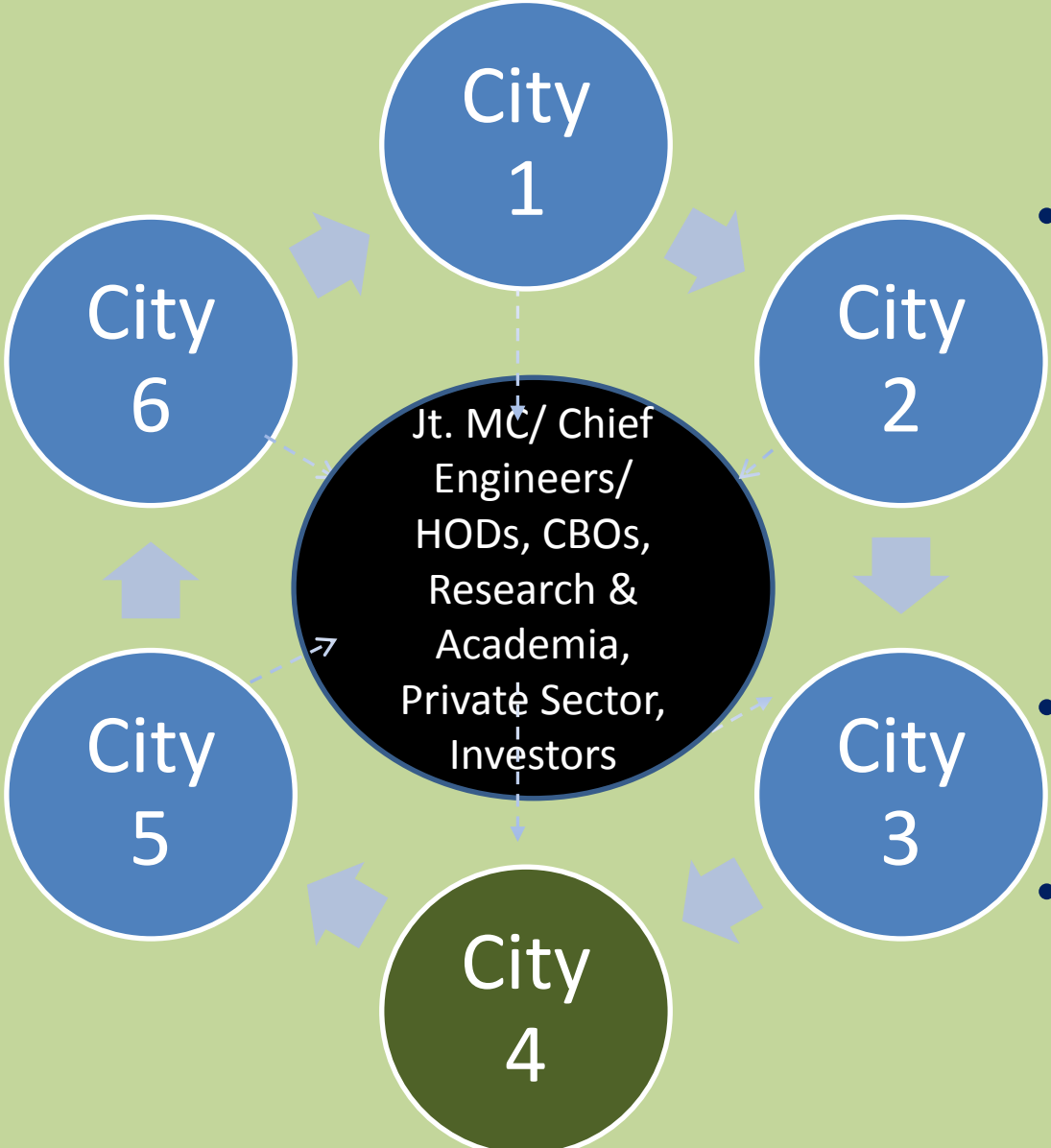
- Duration – 3 days
- Low Carbon/Sustainability in Project design
- Best practices and Case studies



- Analyses of Alternatives, Identification of Pilots & Programs
- Group work

# Week 15 – Contact # 4 – City 4

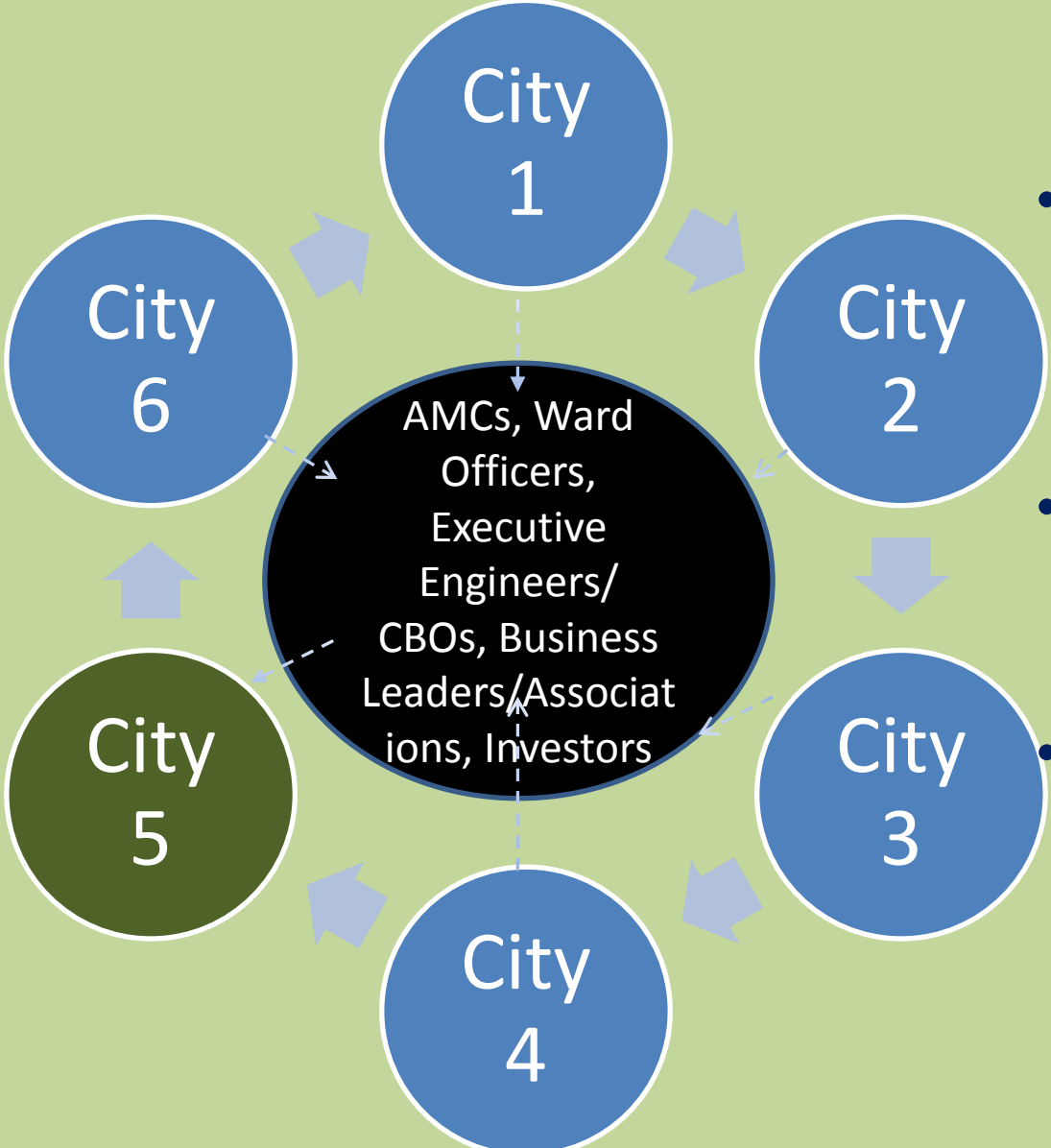
- Duration – 4 days
- Deliberations on
  - Detailed Project Reports
  - Extended Cost-Benefit Analyses
  - Striking PPPs



- Presentation of projects with estimation of costs, benefits/outcomes
- Institutional arrangements
- Modes of Financing

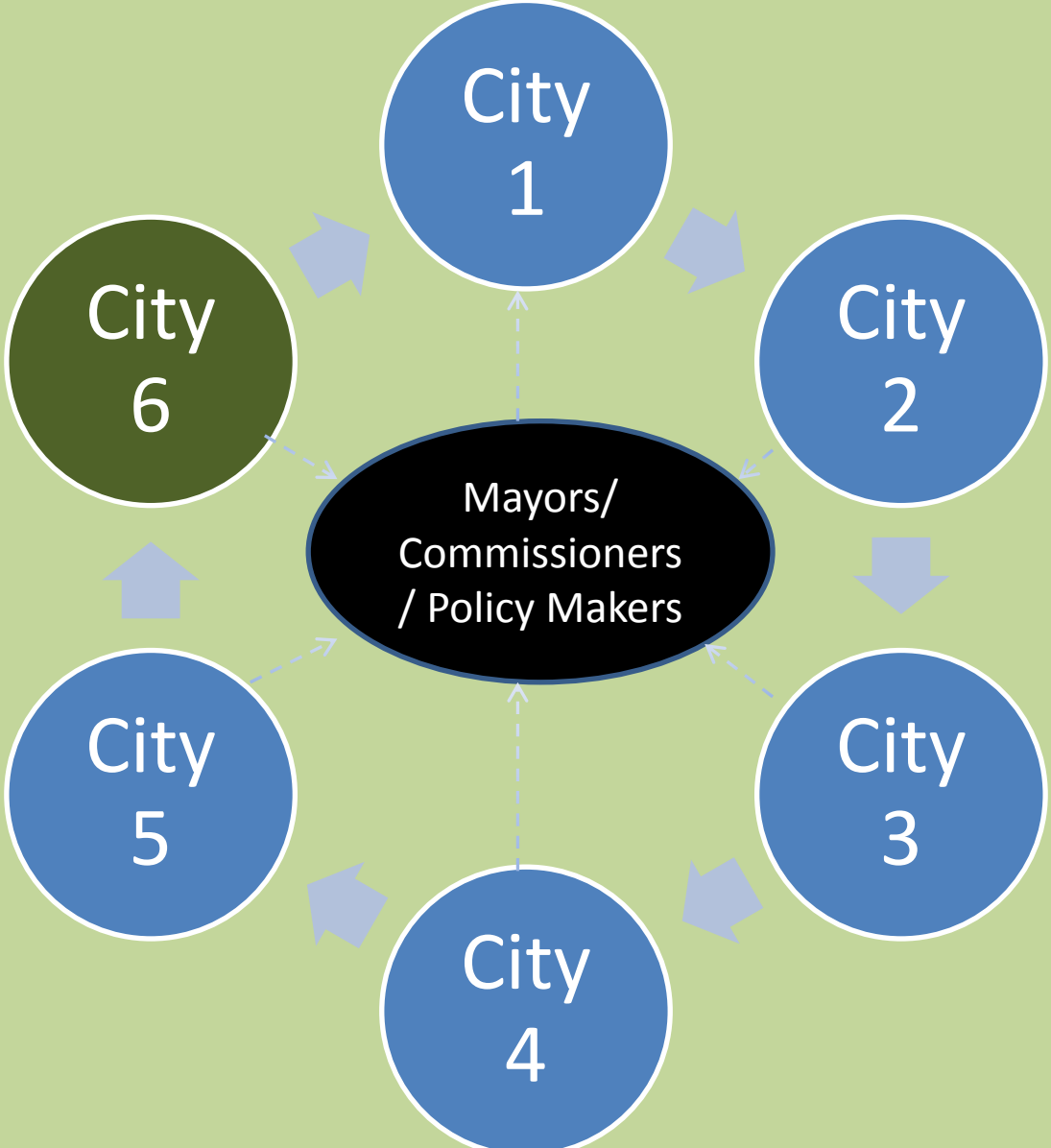
# Week 19 – Contact # 5 – City 5

- Duration – 5 days
- Deliberations on
  - City wise DPRs
  - Striking PPPs
  - Feedback from City level Consultation Workshops



- Action plan for presentation to Standing Committee
- Action Plan for Potential investors
- Procurement/ Engagement Plan

# Week 24 – Contact # 6 – City 6

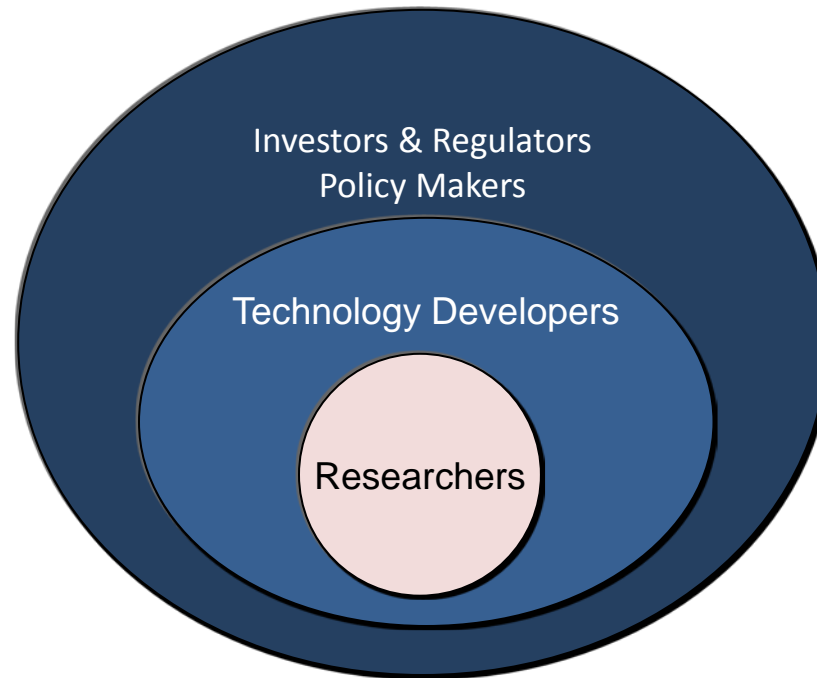


- Duration – 1 day

**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