Urban Issues and Climate; Initial Ideas

Break out group
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City issues

• Climate attributes for cities
  – energy, water, material and transport flow.

• Air quality influence agriculture in the surroundings

• London – regional change, exposure of extremes
  – Extreme events, sea level rise and heat waves, urban flooding
  – Expanding cities provide local impact
  – Interdependencies
Systems framework

- Input <-> output system
- Water within cities
  - external dependencies (provide)
  - exports externally
- Emissions: air quality, aerosols – greenhouse gases;
  - how to monitor this? Is there a gap WCRP should point it out
- How could we share the knowledge under different WCRP programmes to suit the needs?
- Climate information needs to be seen in an adaptation but also mitigation and city management context
- This suggests primarily a regional approach
Policy relevance rather than science as motivation?

- Governance
- Land use
- Water management
- Human dimension
- Scenario development
Brain storming forward looking

• Are there things that need to be coordinated?
• Half day session on emerging scenes with experts on cities (in a WCRP context)
• Is there an interest and expertise rising from WCRP projects?
• See this in the context of what is going on also outside WCRP, e.g. Future Earth
• Managing city scapes – new cities (seen as mitigating climate change)