

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)