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Global Facility for Disaster Reduction and Recovery



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# TECHNICAL DEEP DIVE ON URBAN HEAT

Key Takeaways  
Xueman Wang, World Bank

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# Takeaways

## Technical Solutions for Cooling:

- Need integrated Solutions – Nature-based passive cooling solutions complement active solutions
- Identify locally suitable optimized solutions

# Roadmap for implementing cooling solutions

## Key Elements

### ❖ **Adopt an evidence-based approach**

- Collecting data, using various tools (e.g. building heat maps – site, district, city levels, simulation wind flows, EE modeling, mapping natural assets, virtualization for urban planners and policymakers)
- Putting a “price” on natural assets
- Leveraging academic and research institutions to provide analytical support

## ❖ **Raise Awareness – Participatory approach**

- Public awareness (linking to other issues – e.g. air pollution; quality of life )
- Different actors (e.g. planners, architects, engineers, financiers, developers)
- Institutional awareness
- Political engagement

## ❖ **Institutional coordination**

- Cross-sector coordination

## ❖ Policy and Strategy

- Integrating cooling solutions into planning (especially city master plan, climate and sectoral strategies (“low carbon city”, “resilience city” and “cool city” come together!))
- Integrating cooling measures into “code” and “standards” – piloting, demonstration, and scaling up
- Identify voluntary groups: Undertaken pre-emptive and protective measures



## ❖ Financing

- Economic case for cooling measures
- Providing incentives to the private sector (FAR, Sales conditions into land auction contract, carbon finance, etc)
- Starting with small-scale low-cost interventions



# Global Platform for Sustainable Cities

For information: [www.thegpsc.org](http://www.thegpsc.org)



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