

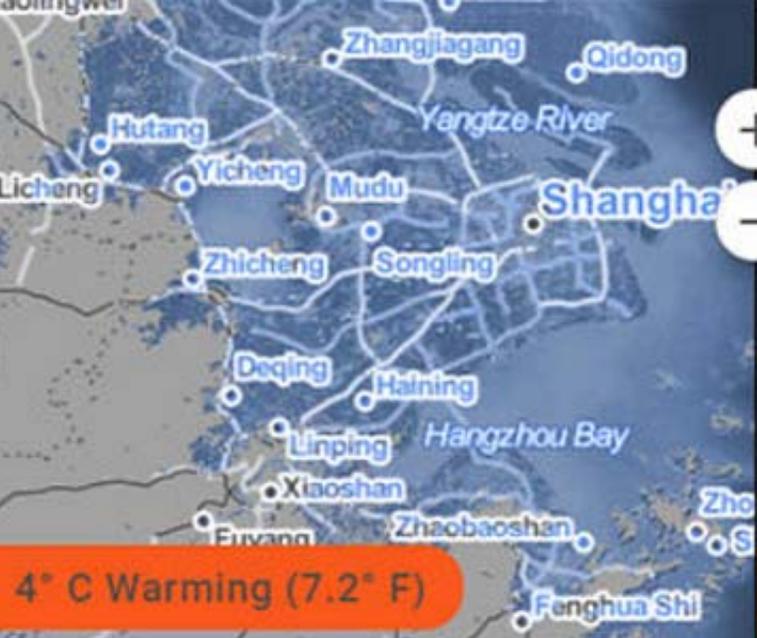
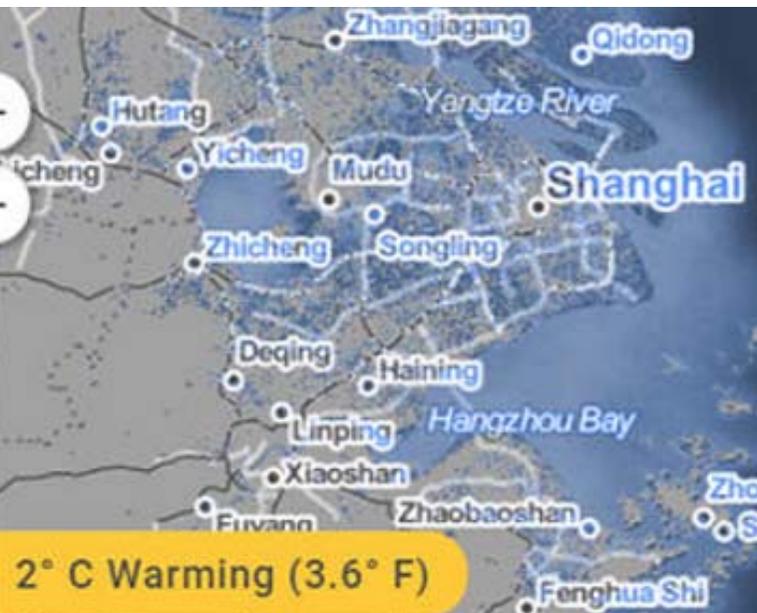
Climate Resilience

It Matters to Everyone

Presented by Elisa Xiao
17 December 2015

Agenda

- Specific climate change challenges that Shanghai faces
- Resilient City
- Existing government plan
- Key stakeholders for climate resiliency
- Proposed Climate Resilience Steps
- Case Study



Source: Climate Central Mapping Choice

Resilient City

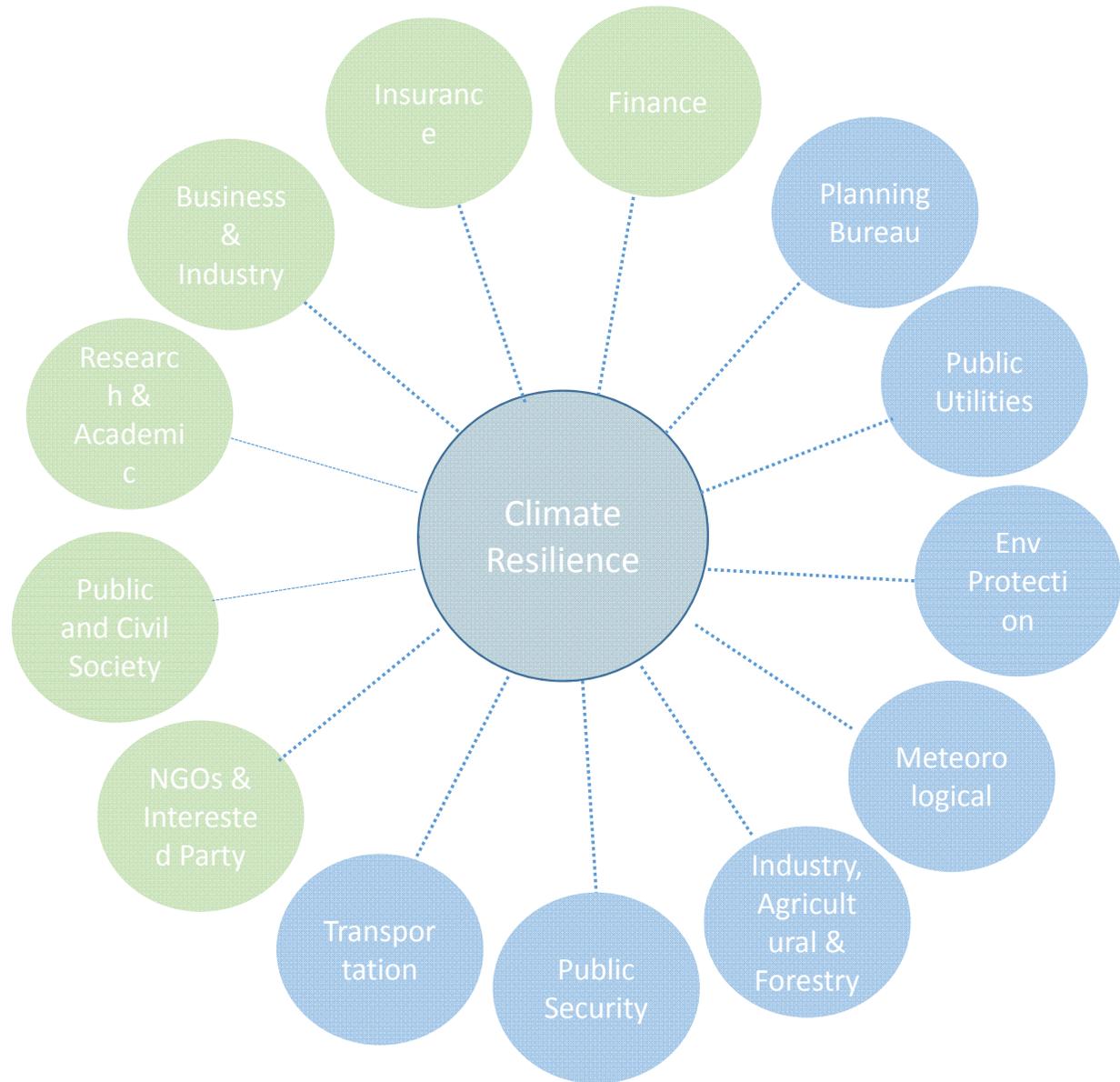
- **Climate resilience:** *the capacity for a socio-ecological system to: (1) absorb stresses and maintain function in the face of external stresses imposed upon it by climate change, and (2) adapt, reorganize, and evolve into more desirable configurations that improve the sustainability of the system, leaving it better prepared for future climate change impacts.*
- **Resilient City:** *define a comprehensive ‘urban resilience’ **concept** and policy **agenda** with implications in the fields of **urban governance, infrastructure, finance, design, social and economic development, and environmental / resource management.***
 - *support the development of greater resilience in its institutions, infrastructure, and social and economic life.*
 - *sensitive to local conditions and origins.*
 - *reduce vulnerability to extreme.*
 - *Prevent crisis or disaster, designed in such a way as to advance the community’s resilience and sustainable development in a number of areas.*

Existing Government Plan

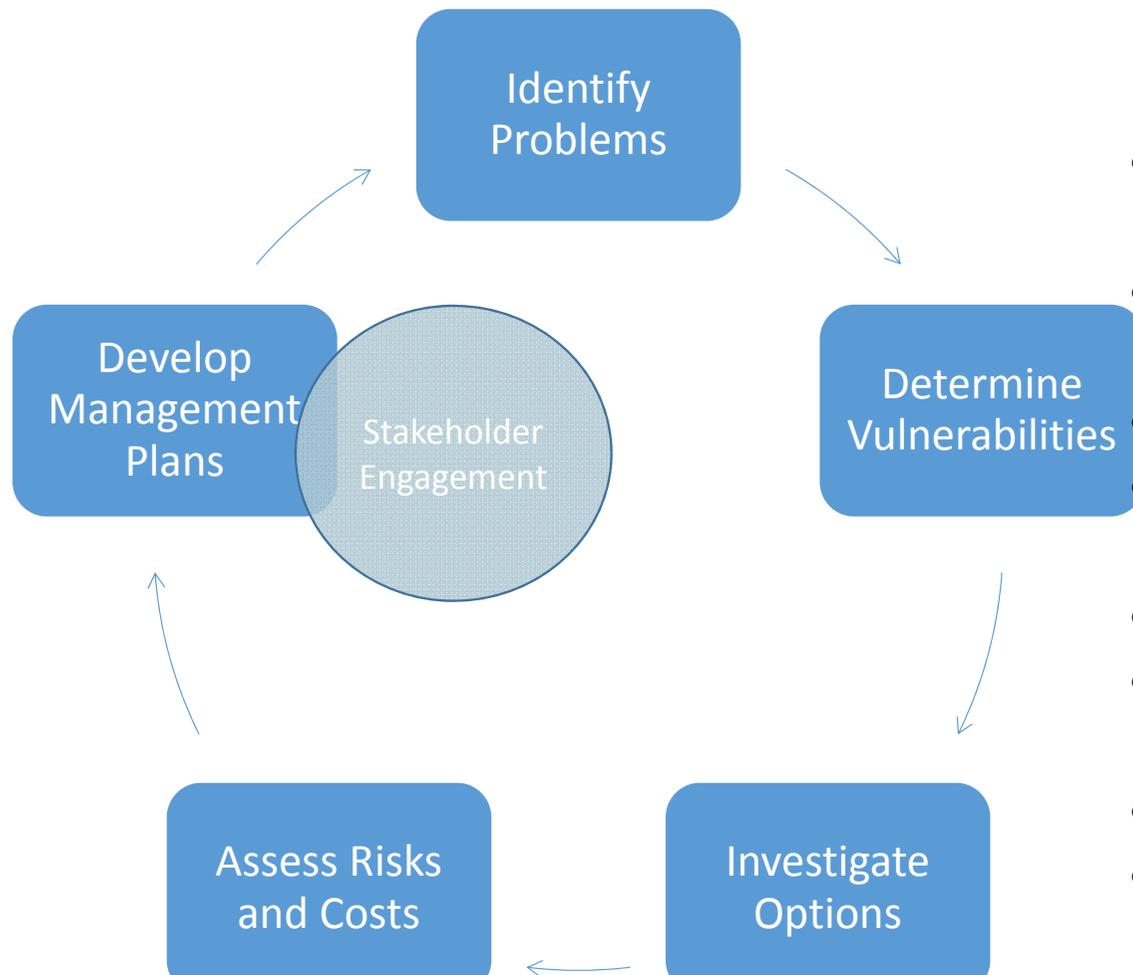
- Central Government issued China's Policies and Actions on Climate Change(2015):
 - Mitigation: industrial structure reform, energy saving and efficiency, power supply optimization, GHG emission control and forestry carbon sink.
 - Adaption: agricultural, water resources, forest and other ecosystem, coastal protection, meteorological capacity building, public health.
 - Low-carbon initiatives: low carbon cities, carbon trade, pilot low-carbon industrial parks, communities and townships, transportation, carbon capture initiatives.
 - Capacity building: establishment of climate change management system, scientific support, registration and reporting.
 - Other initiatives: public participation, International communication and corporation, and international climate change negotiations.
- Shanghai 2040 Master Plan is calling for public input.

Stakeholders

- Government
- Private

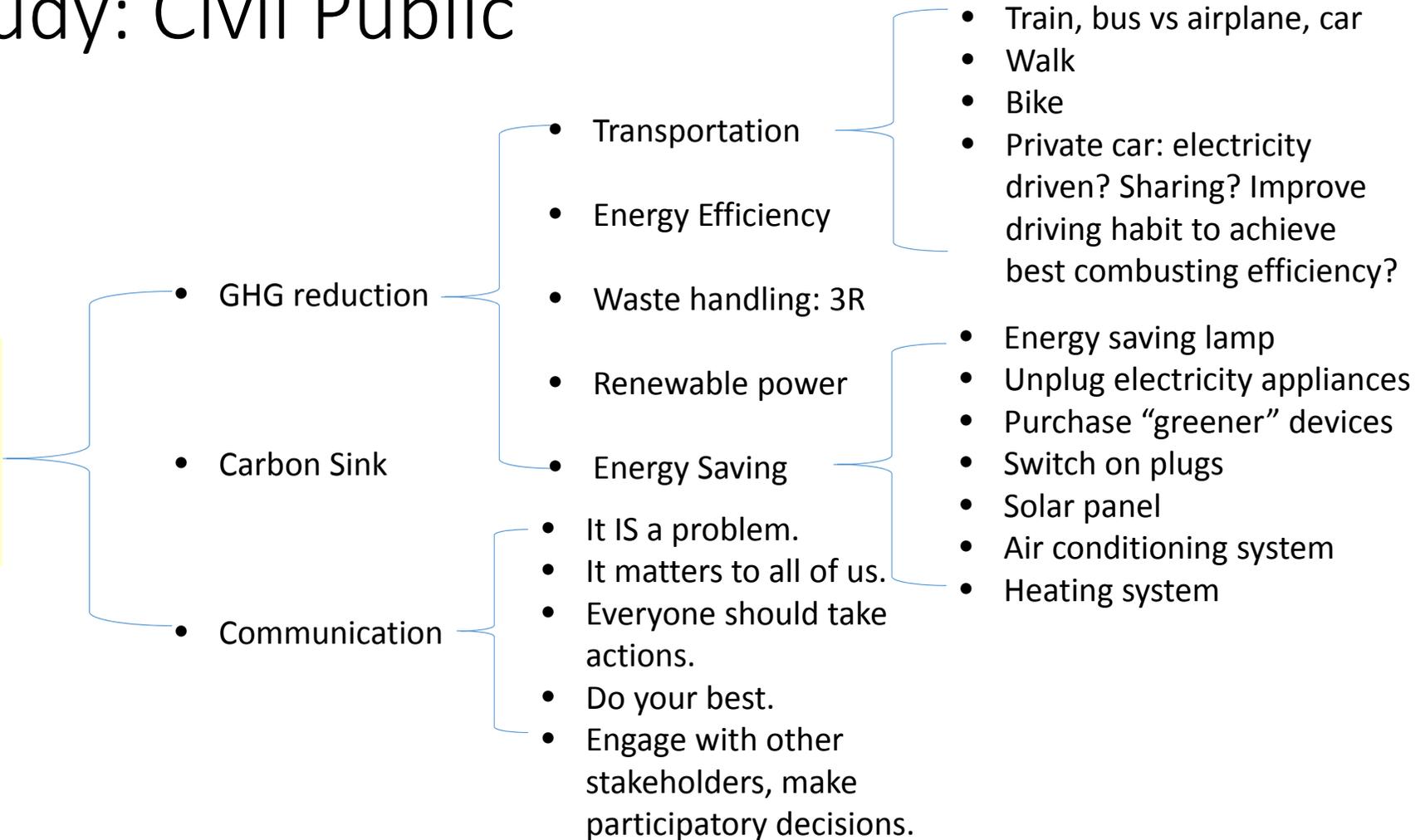


Climate Resilience Steps



- Understand climate resilience responsibilities and stakeholder expectations
- Identify problems related to your business
- Determine Resilience Strategy and Vulnerabilities
- Option analysis
- Risk assessment and cost estimation
- Make commitments
- Take actions on management plans
- Monitor progress and efficiency
- Communicate

Case Study: Civil Public



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References:

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- <https://toolkit.climate.gov/get-started/overview>
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Thank you!

