

APEC Low-Carbon Model Town (LCMT) Project

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1. Background

2. APEC Low-Carbon Model Town Project

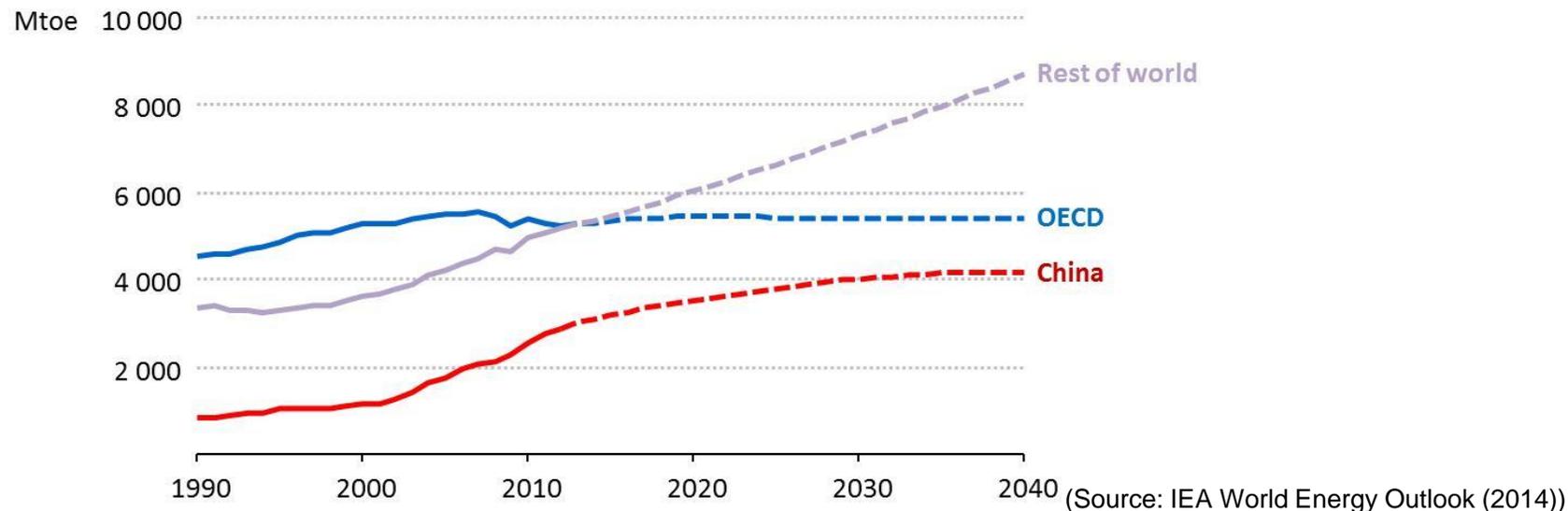
3. Future Schedule

4. Conclusion

1-1. Background

- As a result of urbanization and improved living standards, energy consumption in the commercial/residential and transportation sectors has increased rapidly in the APEC region.
- In order to address these community-wide challenges, it is not sufficient to take measures just targeting buildings, but needed to promote the introduction of low-carbon technology, improve energy efficiency and reduce the use of fossil fuels at the community level.

Energy demand by region

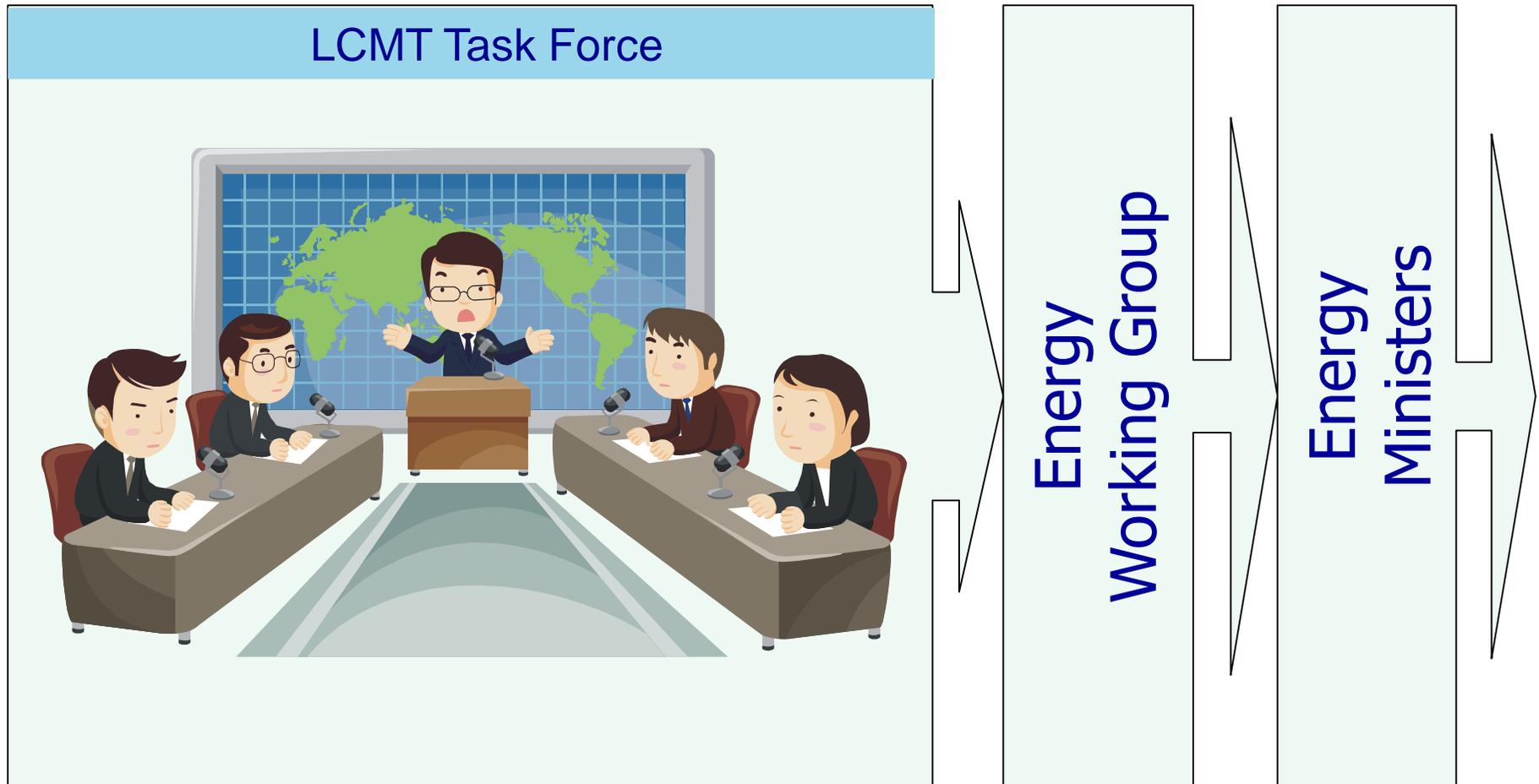


1-2. APEC Energy Ministers Meeting



1-3. LCMT Task Force (TF) plays key role

- Develop the Concept of the Low-Carbon Town in APEC Region
- Conduct Feasibility Study on selected case town
- Share best practices for making low-carbon communities a reality



1. Background

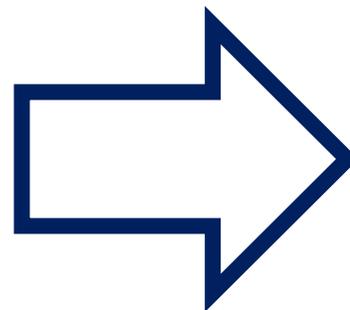
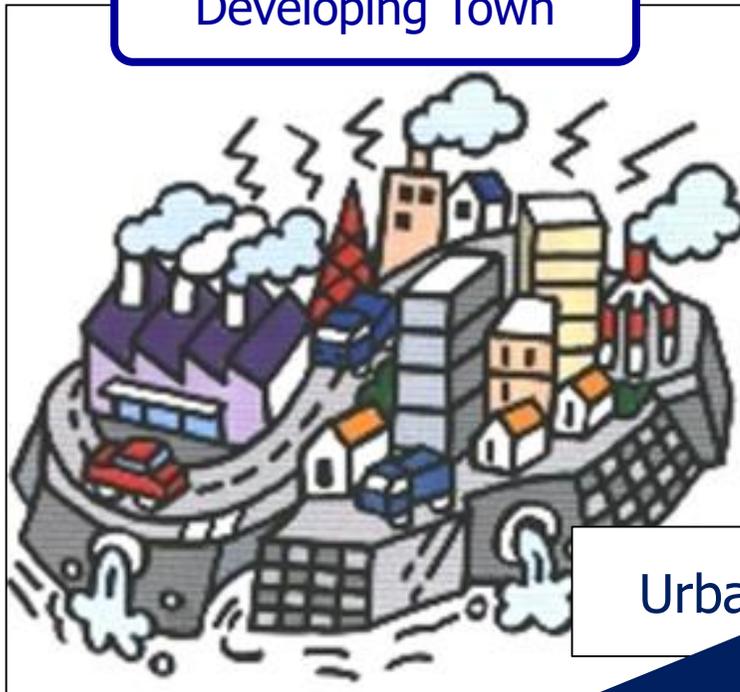
2. APEC Low-Carbon Model Town Project

3. Future Schedule

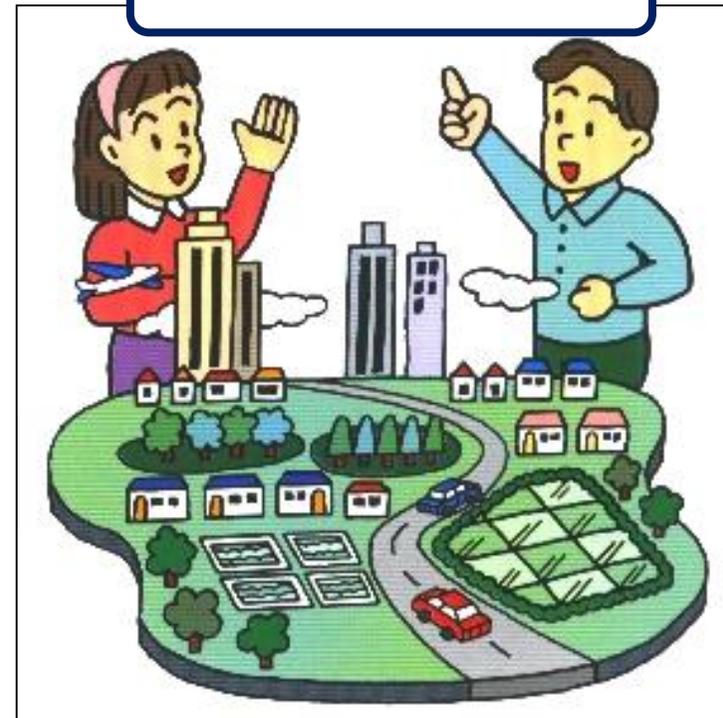
4. Conclusion

2-1. What is the idea of LCMT Project?

Developing Town



Low Carbon Town

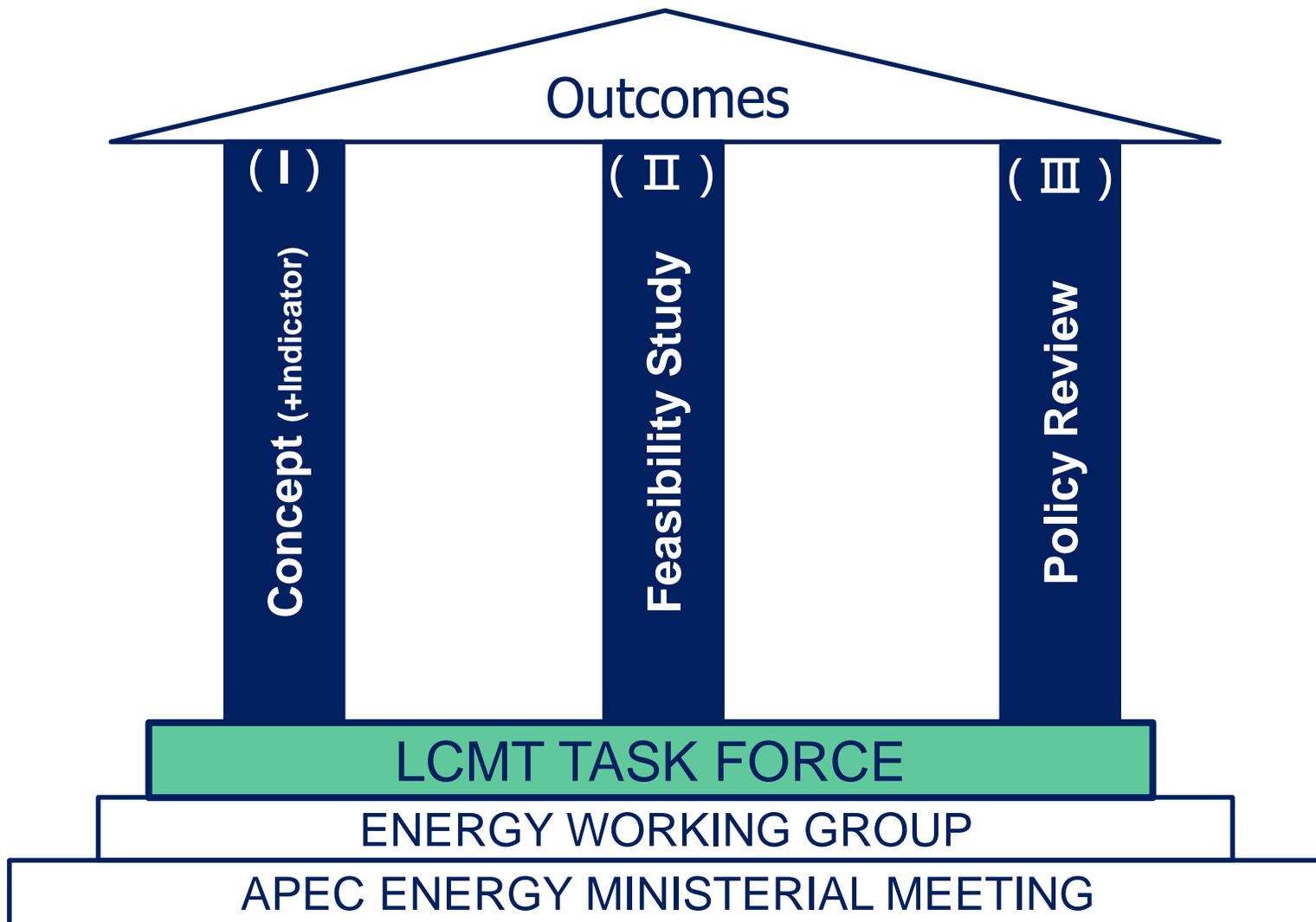


Urbanization plan

- Show basic idea/principle
- Provide guidance

- Develop self-diagnostic tool

2-2. Structure of LCMT Project



2-3. Three Pillars of the Project

(1) Formulating the Concept of APEC Low-Carbon Town

- Define low-carbon town in the APEC region
- Formulate the Concept of APEC Low-Carbon Town and Low-Carbon Town Indicator
- Dispatch an APEC official liaison to ISO/TC268 in order to cooperate to develop international standards on low-carbon towns

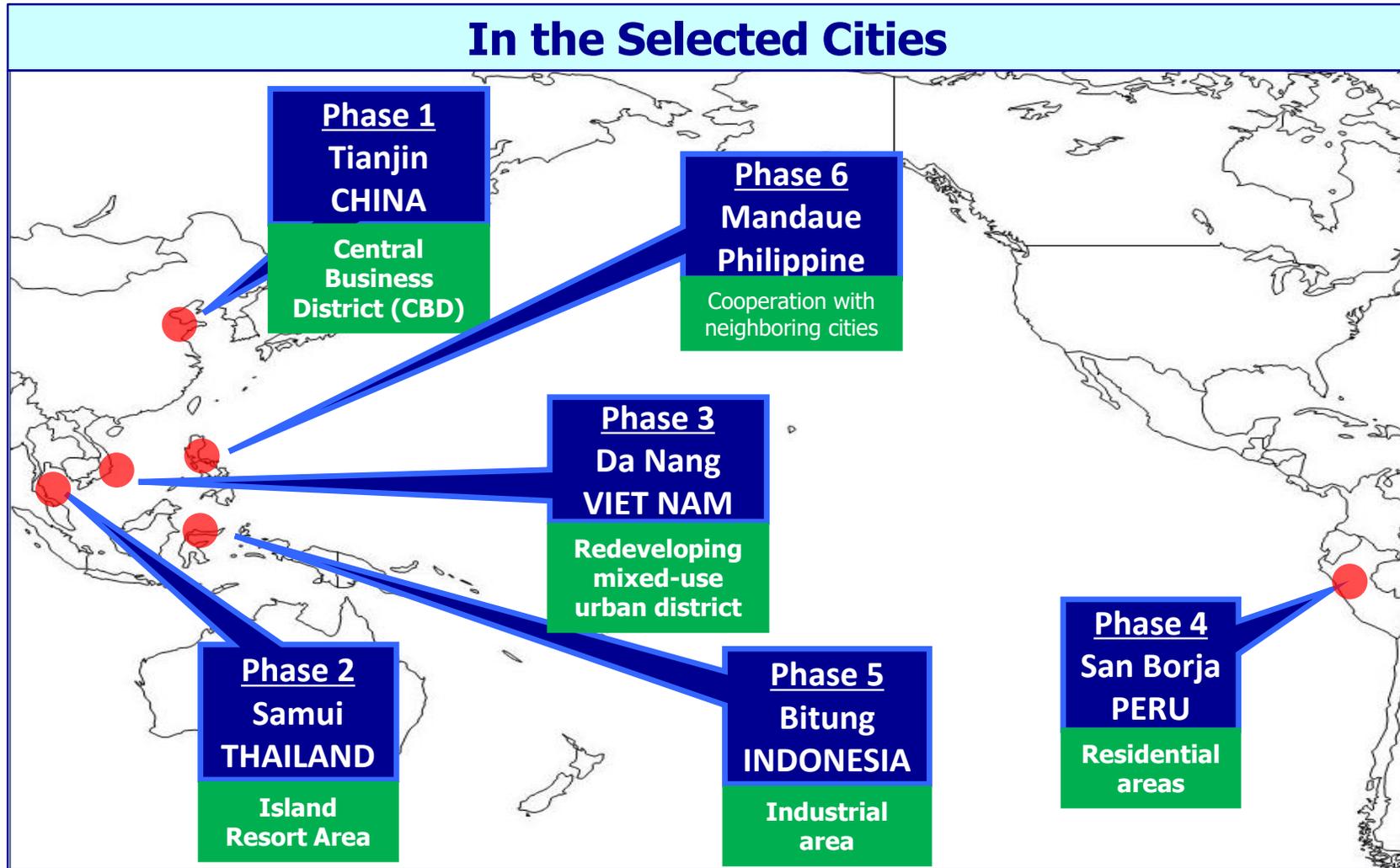
(2) Conducting Feasibility Study (F/S)

- Develop low-carbon strategies for selected towns

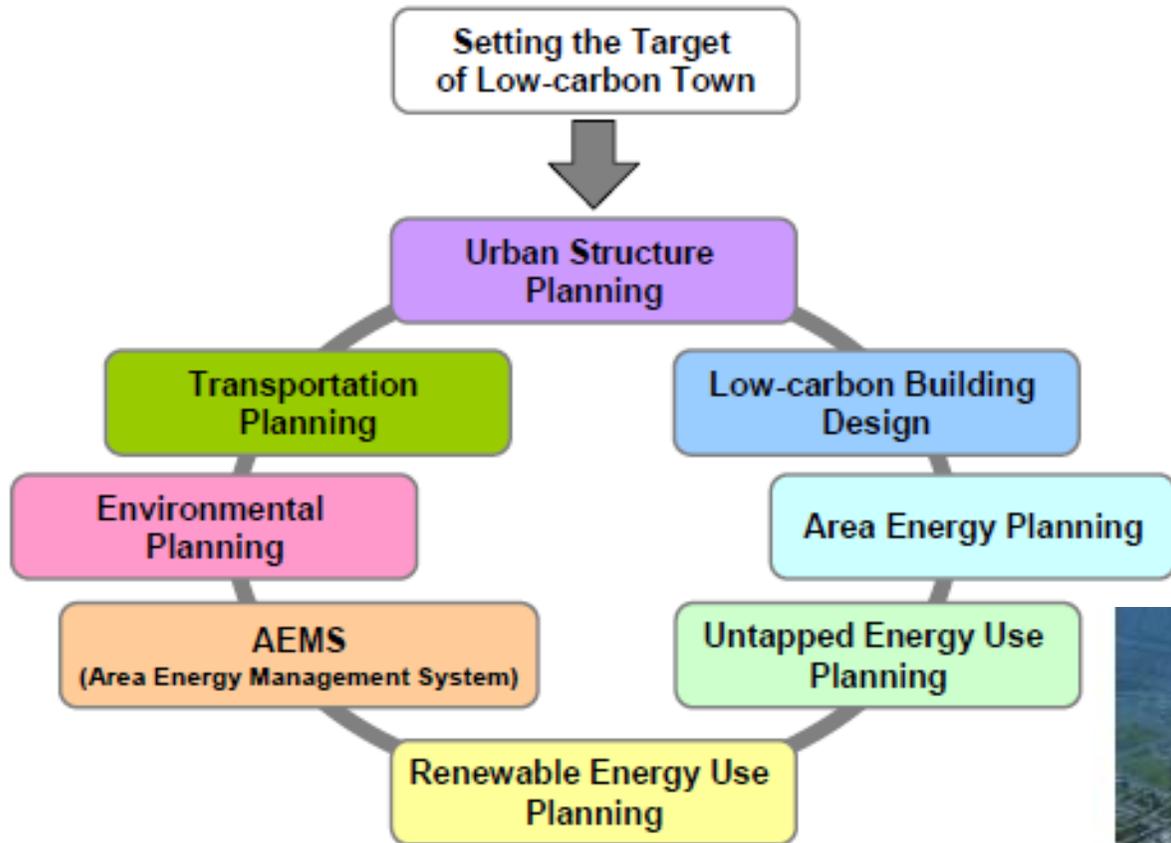
(3) Policy Review

- Policy review to realize low-carbon town development conducted by an expert group

2-4. Feasibility Study (F/S) and Policy Review



2-5. Key Findings of F/S – Ex. Tianjin, China (Phase 1) -



2-6. Policy Review

- Conduct Peer review
- Conduct site visit
- Develop recommendation



2-7. Policy Review – Ex. San Borja, Peru (Phase 4) -

Section	Recommendations
Legal Framework	9
Urban Planning	5
Low Carbon Building	7
Energy Management	7
Energy Efficiency	12
Transport	4
Environmental Planning	6



2-8. APEC Low Carbon Town-Indicator system

A set of self-diagnostic tool

- **For government officials' use**
- **Simple and easy to understand**
- **More than 30 items in 5 categories**

2-9. APEC Low-Carbon Town Indicator (LCT-I)

- Simple and easy to understand low carbon town development
- Reflect the circumstances of each economy and project characteristics
- Reflect existing APEC LCMT Feasibility Study results, existing assessment indicators, and international trends

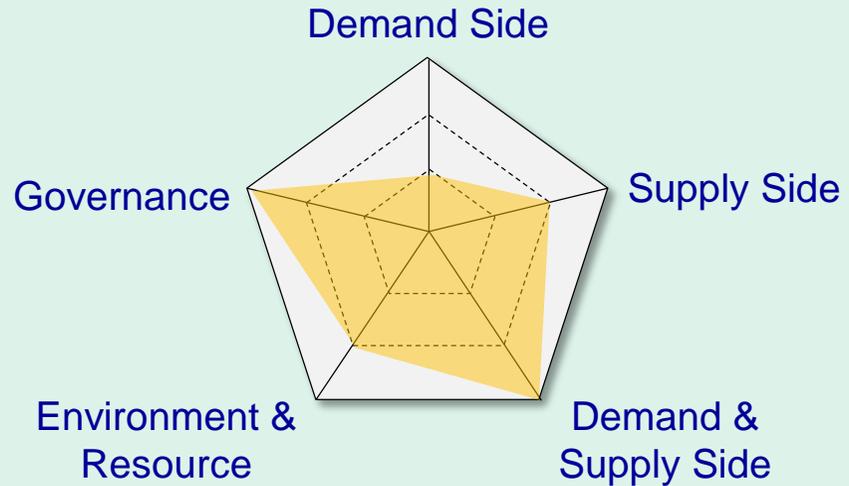
Overall Rank



Total Point
average of (1)to(15) **2.5**

CO2 Reduction
470 t-CO2/year

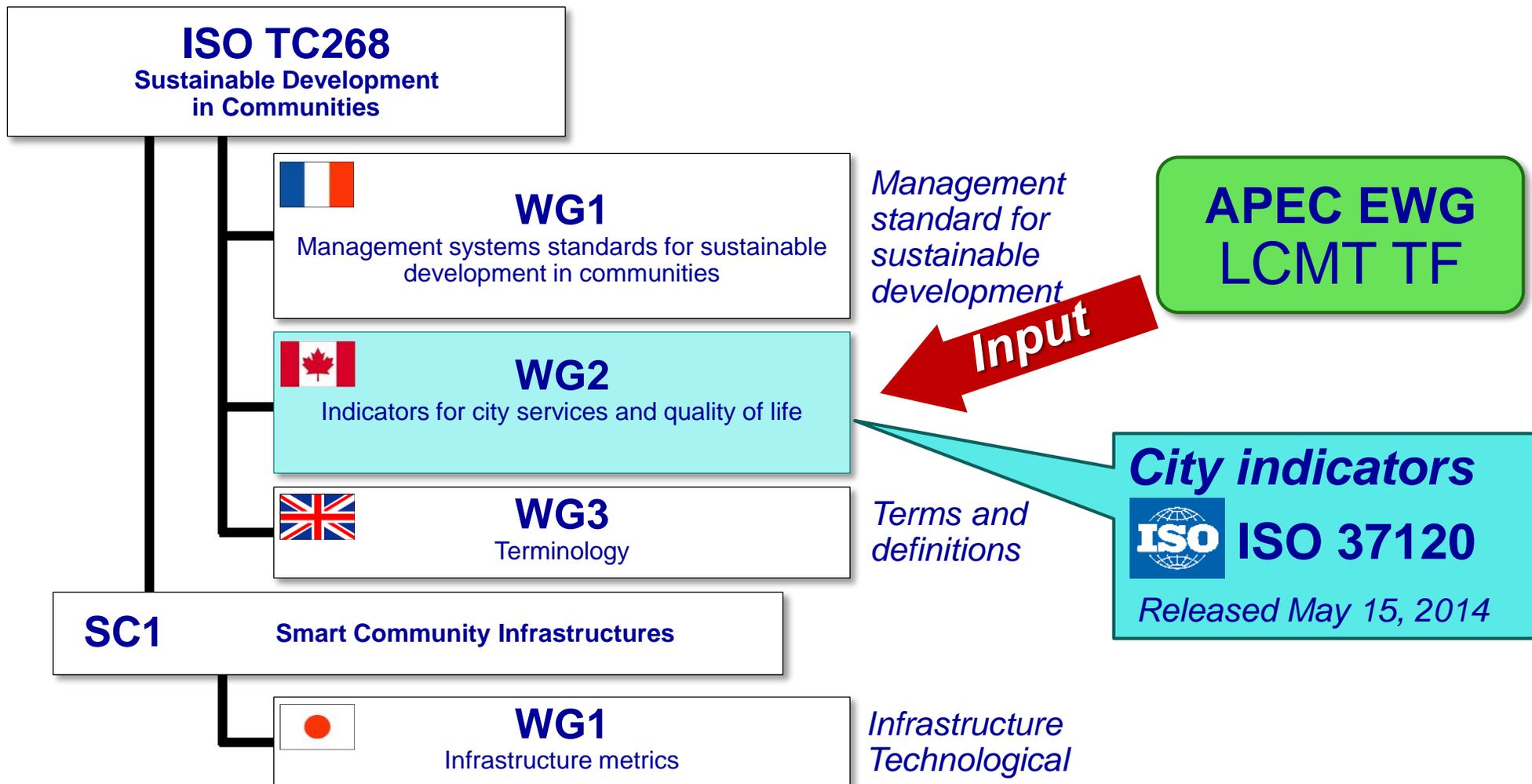
Radar Chart



Individual Assessment

	★	★★	★★★	★★★★	★★★★★
Required . . .	████████████████████				
Optional . . .	████████████████████				
Total (average)	████████████████████				

2-10. APEC LCT-I toward Global Standard



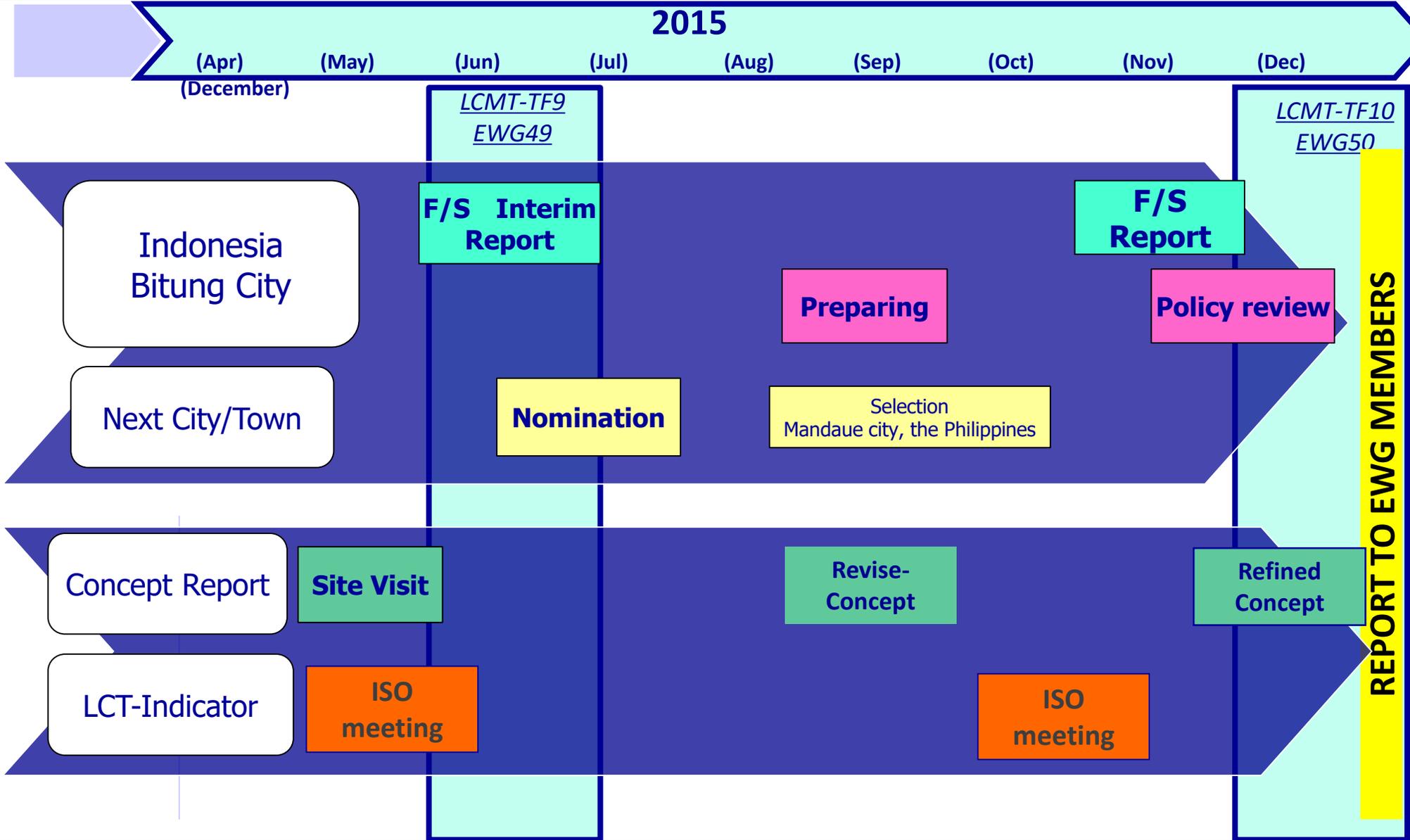
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3-1. Activities in 2015



3-2. Next Stage of LCMT Project

2010-2011

APEC LCMT
Activities

2016-2017

Enter
Next Stage

Dissemination

3-3. Next Stage of LCMT Project

LCMT Project so far

- A wide range of towns have been dealt with through the F/S.
 - ✓ Phase 1: Central Business Districts (CBD)
 - ✓ Phase 2: Island/Resort Area Development
 - ✓ Phase 3: Redeveloping mixed-use urban districts
 - ✓ Phase 4: Residential areas
 - ✓ Phase 5: Industrial areas
 - ✓ Phase 6: Cooperation with neighboring cities
- The Concept of APEC Low-Carbon Town (LCT) has already refined four times.
- The LCT Indicator will be introduced into international standard (ISO).

Time for DISSEMINATING LCT in the APEC region

For example...

- Self-diagnosis based on the LCT Indicator
- Follow-up meetings (participants: government, experts, international institutions)
- In-depth F/S

DISCUSS how to disseminate the LCT

ENTER next stage in the end of 2016

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4. Conclusion

- APEC Low-Carbon Model Town (LCMT) Task Force has played a pivotal role in conducting the LCMT Project since 2010.
- The “Concept” of APEC Low-Carbon Town (LCT) will be finalized soon. The LCT Indicator will be introduced into international standard (ISO).
- A wide range of towns in various economies have been dealt with through the F/S.
- Based on the experience so far, the LCMT Project will move to an dissemination stage by the end of next year.

Thank you for your attention !

谢谢大家 !