

Low-Carbon and Sustainable Homeland Program

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Agenda

1

Background

2

Low Carbon and Sustainable Homeland Program

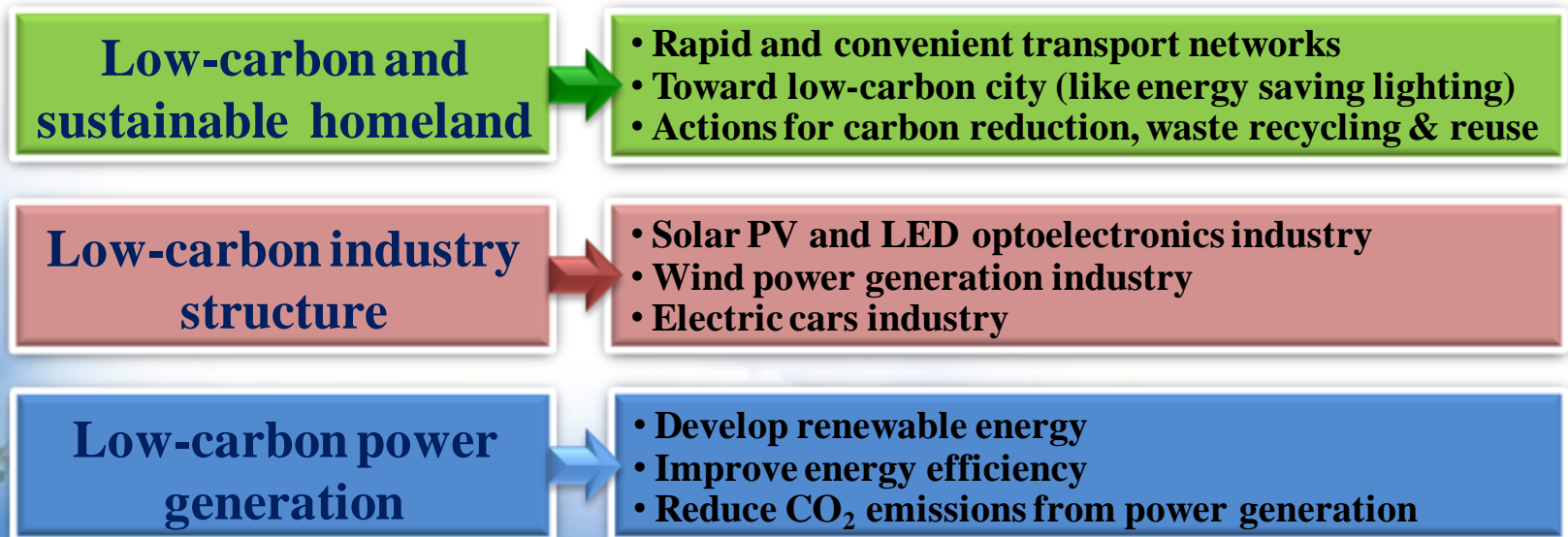
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Expected Performance and Achievement

Background

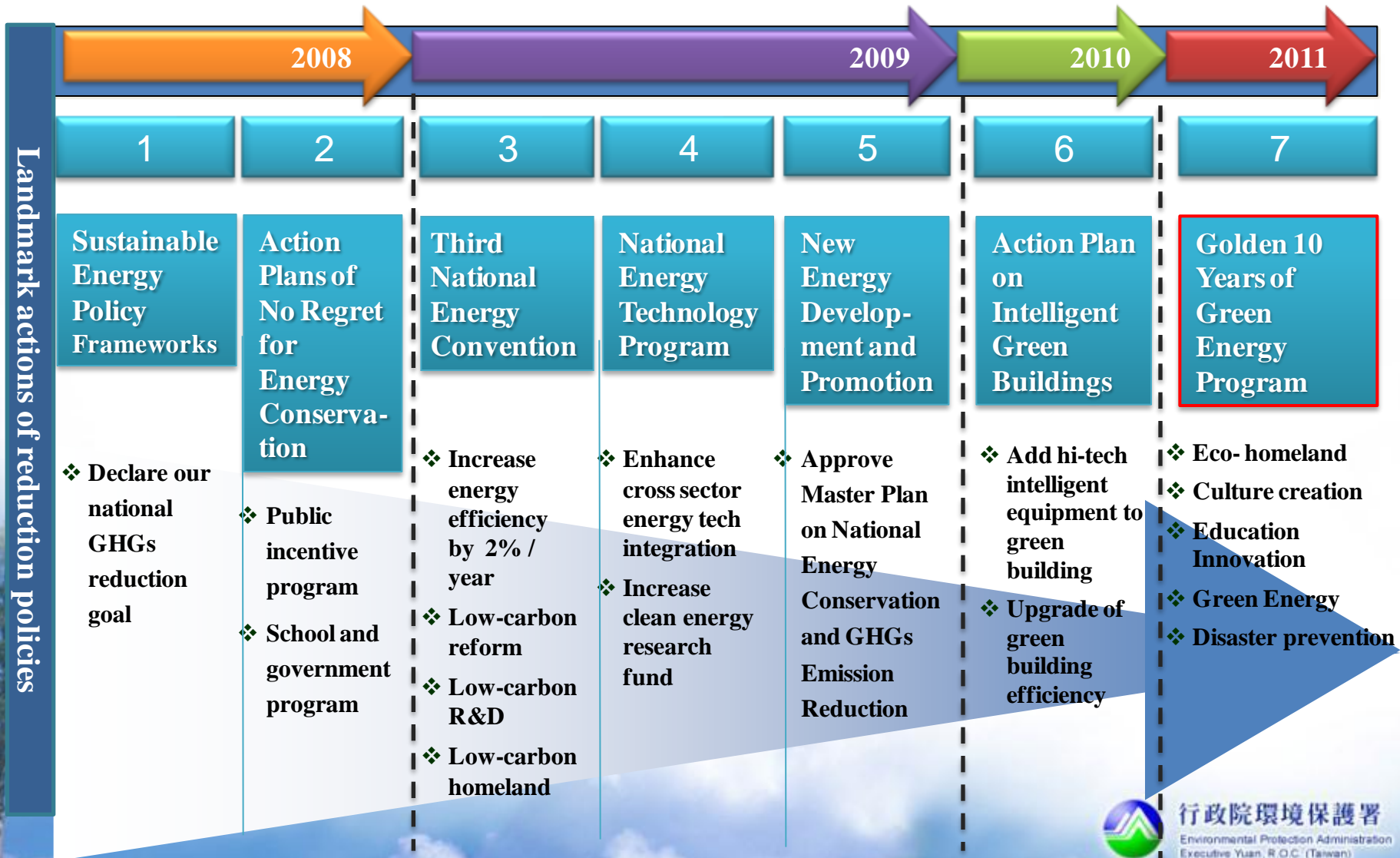
■ Global Trends on Low Carbon Inspired by “Green New Deal”

1. Time: Started from 2009
2. Goal: Low Carbon Society Vision
3. Three Strategies



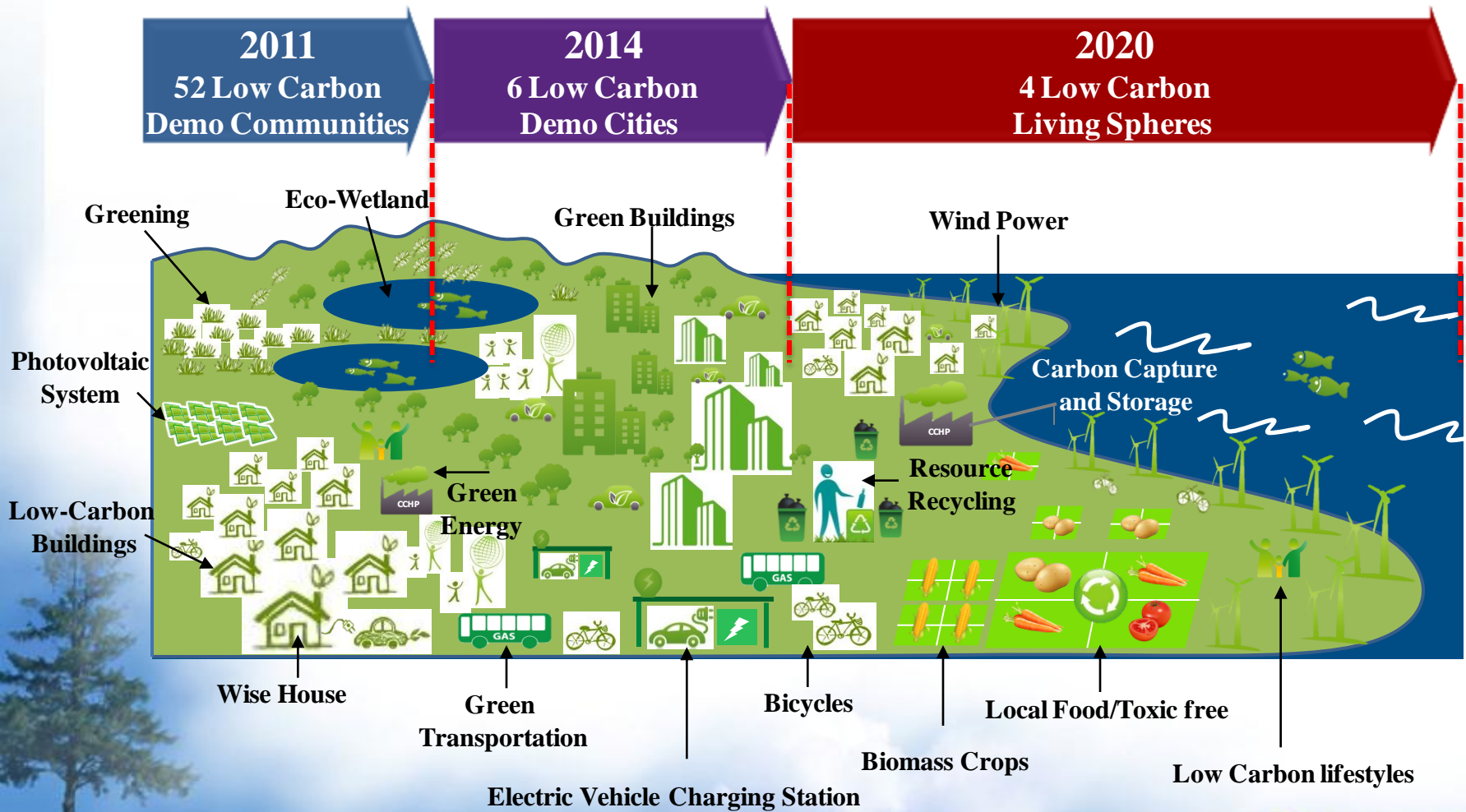
Background

Taiwan GHG Reduction Policies declared and implemented since 2008



Background

■ Vision



Low Carbon and Sustainable Homeland Program

■ Four Strategies to implement the program

Strategy

Develop the participating mechanism

Complete the Requirements for Promotion

Establish information sharing mechanism

Enhance Education and Information Dissemination

Goal

Improve Energy Efficiency and Implement Energy Saving Measures

Reduce energy Needs and Reduce expenses for fuel import

Facilitate investment and employment

Establish North, Central, South and East Low Carbon Living spheres



Strategy 1 – Develop the participating mechanism

Low Carbon and Sustainable Homeland Program

■ Driving Force

Program Materials

Cooperative Governance



4 low carbon living spheres

22 low carbon sustainable cities

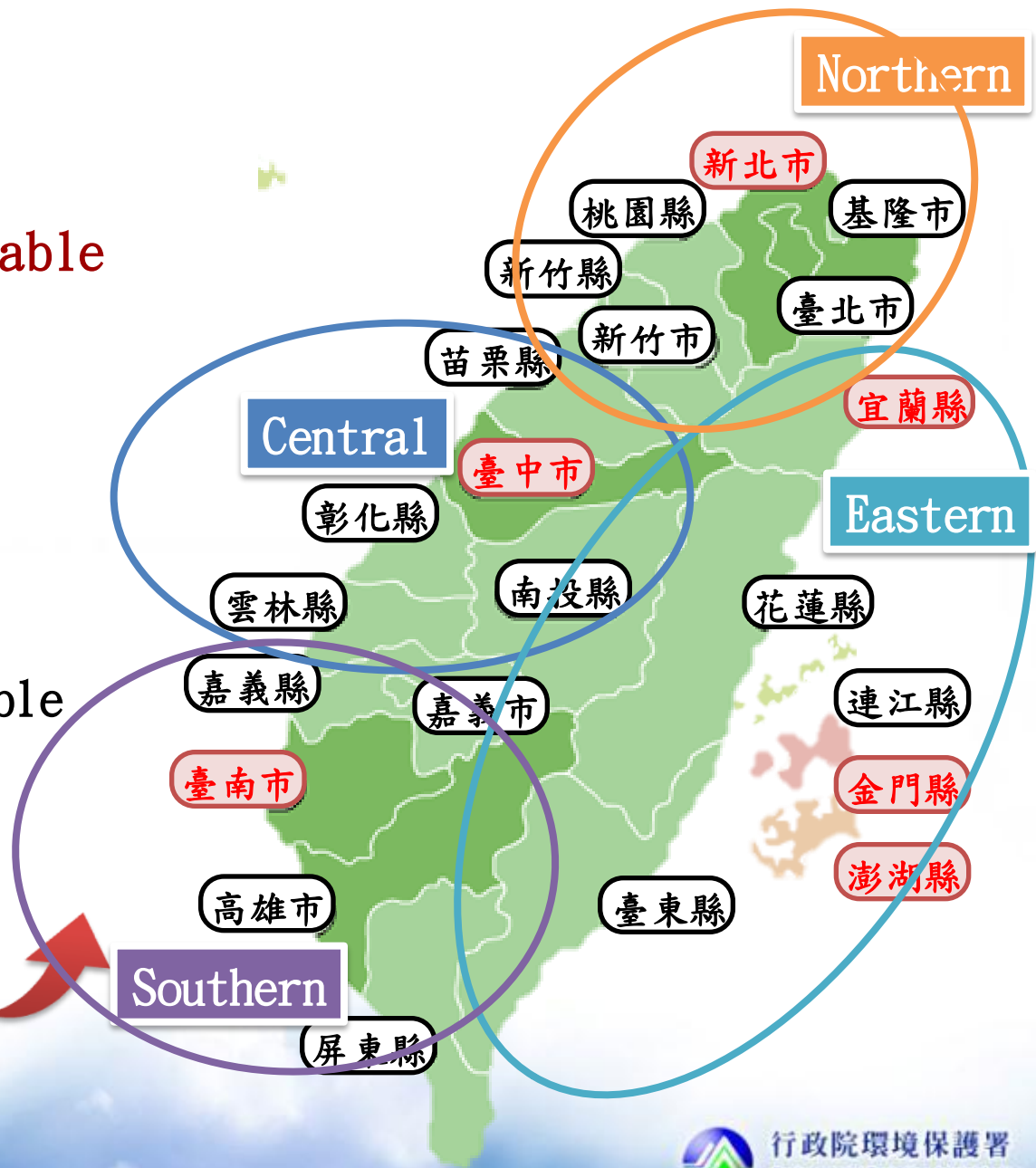
Promotion Group

369 low carbon sustainable towns

7,835 low carbon sustainable villages

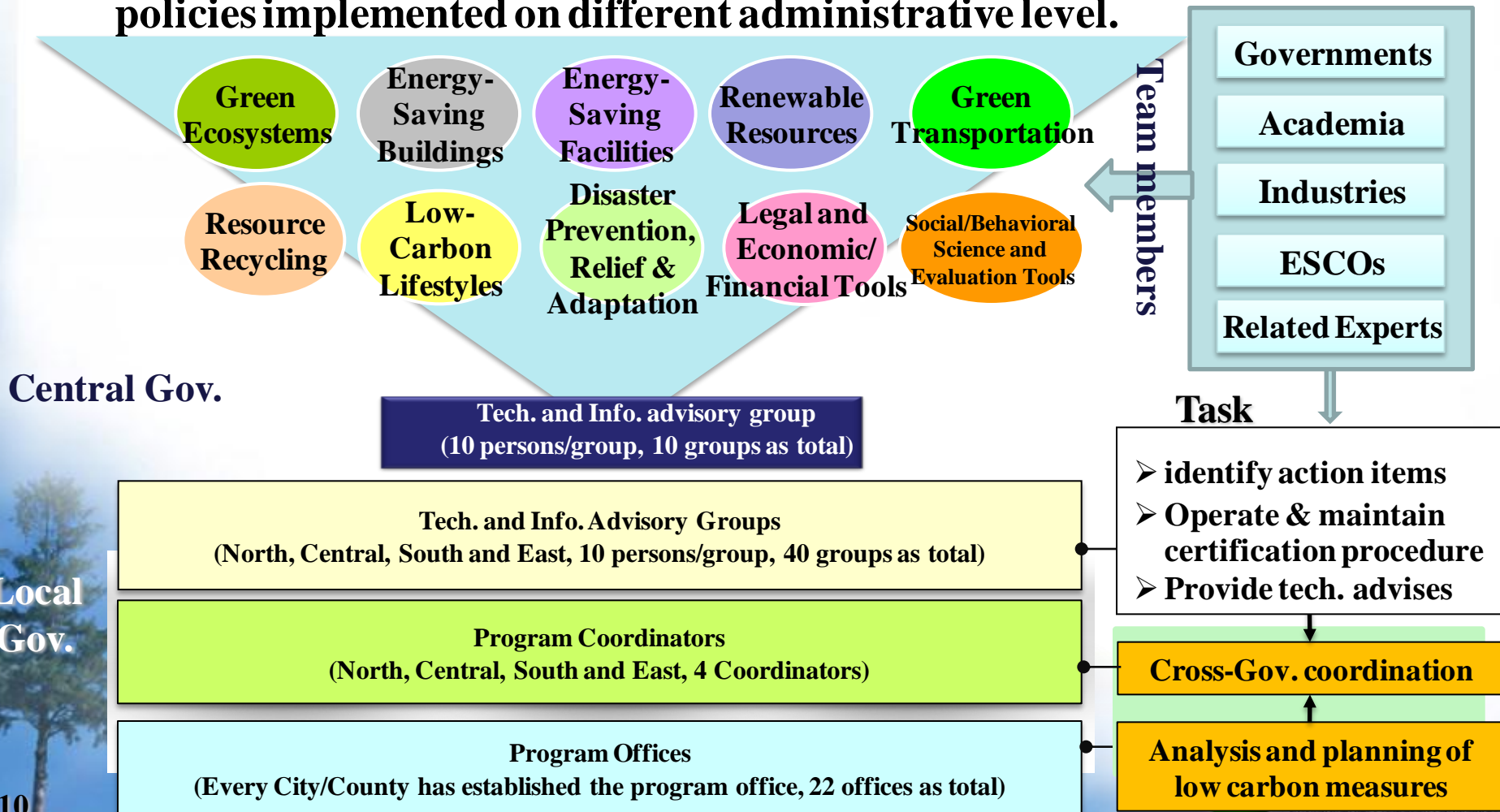
52 low carbon sustainable communities.

6 low carbon sustainable demo cities



Low Carbon and Sustainable Homeland Program

- Develop **10 Action Item Function Categories**.
- Establish **50 Tech. and Info. Advisory groups**, to help identify action items for each **Action Item Function Categories**, discussing different policies implemented on different administrative level.



Low Carbon and Sustainable Homeland Program

■ Develop and propose concrete action items

Oct. 2012

**Low Carbon and Sustainable
Homeland Forum
(World Café)**

**Over 200 action items have been
proposed by experts from 50 tech.
and Info. Advisory Groups**

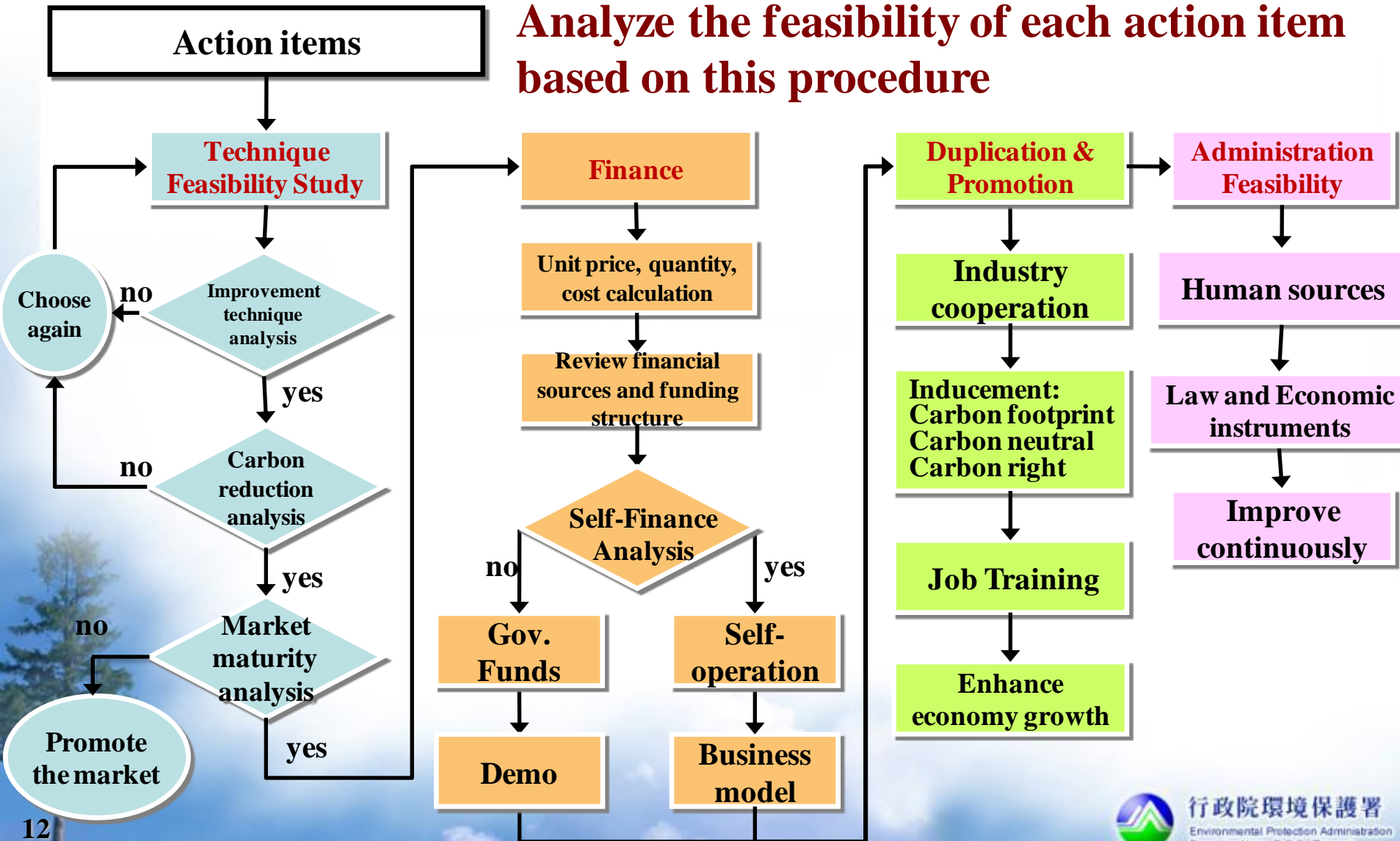


Study each action item

- 1. Single out technique**
- 2. Combination of techniques on different admin. levels and multi-categories**
- 3. Apply relevant resources and financial tools**

Low Carbon and Sustainable Homeland Program

Analyze the feasibility of each action item based on this procedure



Low Carbon and Sustainable Homeland Program

■ Certified Projects for Action Items

Certification Projects

- Creation of new certification projects for action items
- Certifying Development/Promotion/Maintenance projects
(The website is constructed to publish the performance and other related information)

Execution Projects

- put those action items into practice

Development

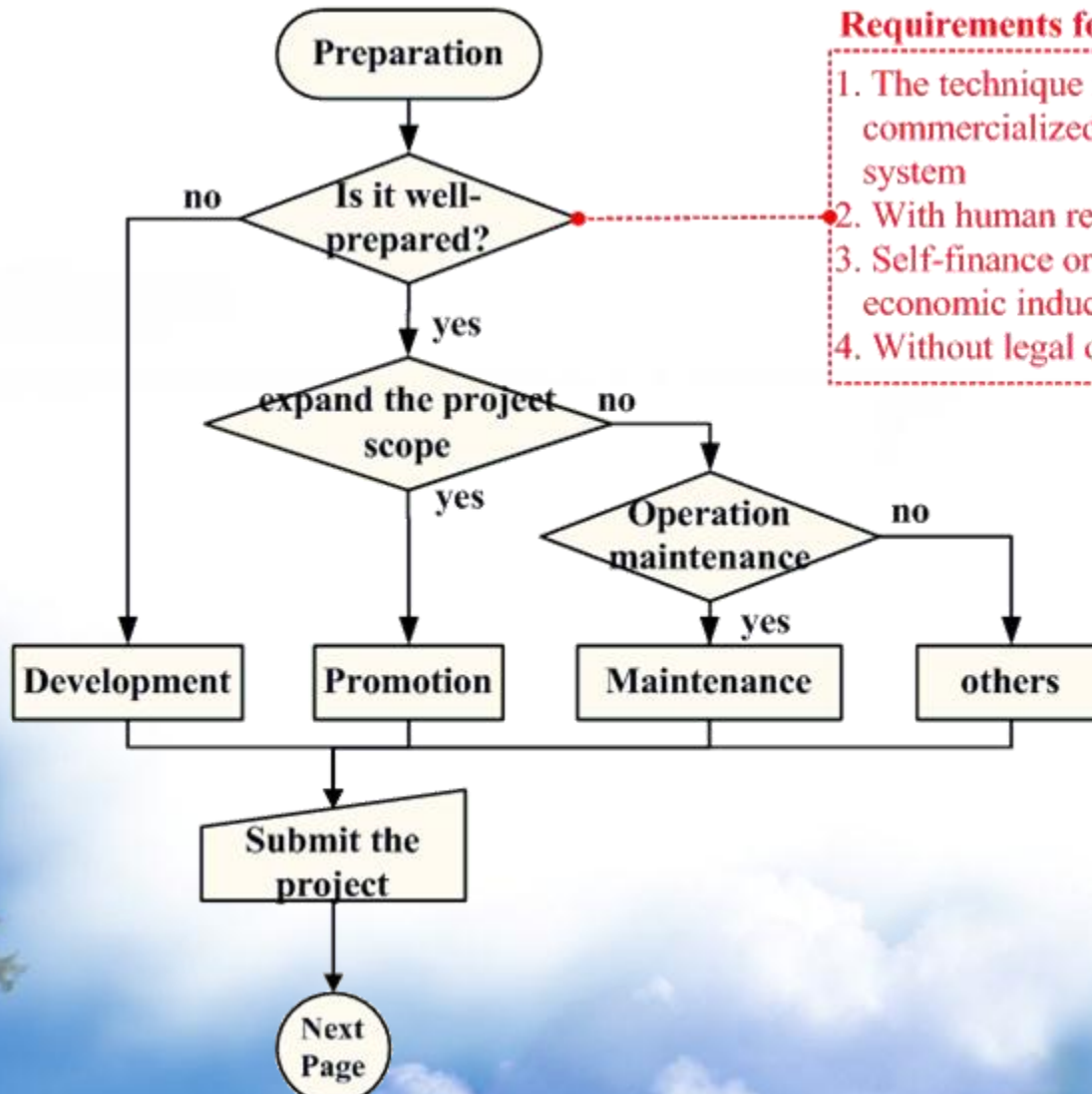
Promotion

Implementation

- techniques and products
- financial management
- **human power resources** and certifications
- laws and regulations
- experiments before implementation
- expand the project scope
- implementation and maintenance operation

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■ Projects Submission and Certification Procedure



Requirements for well-prepared projects:

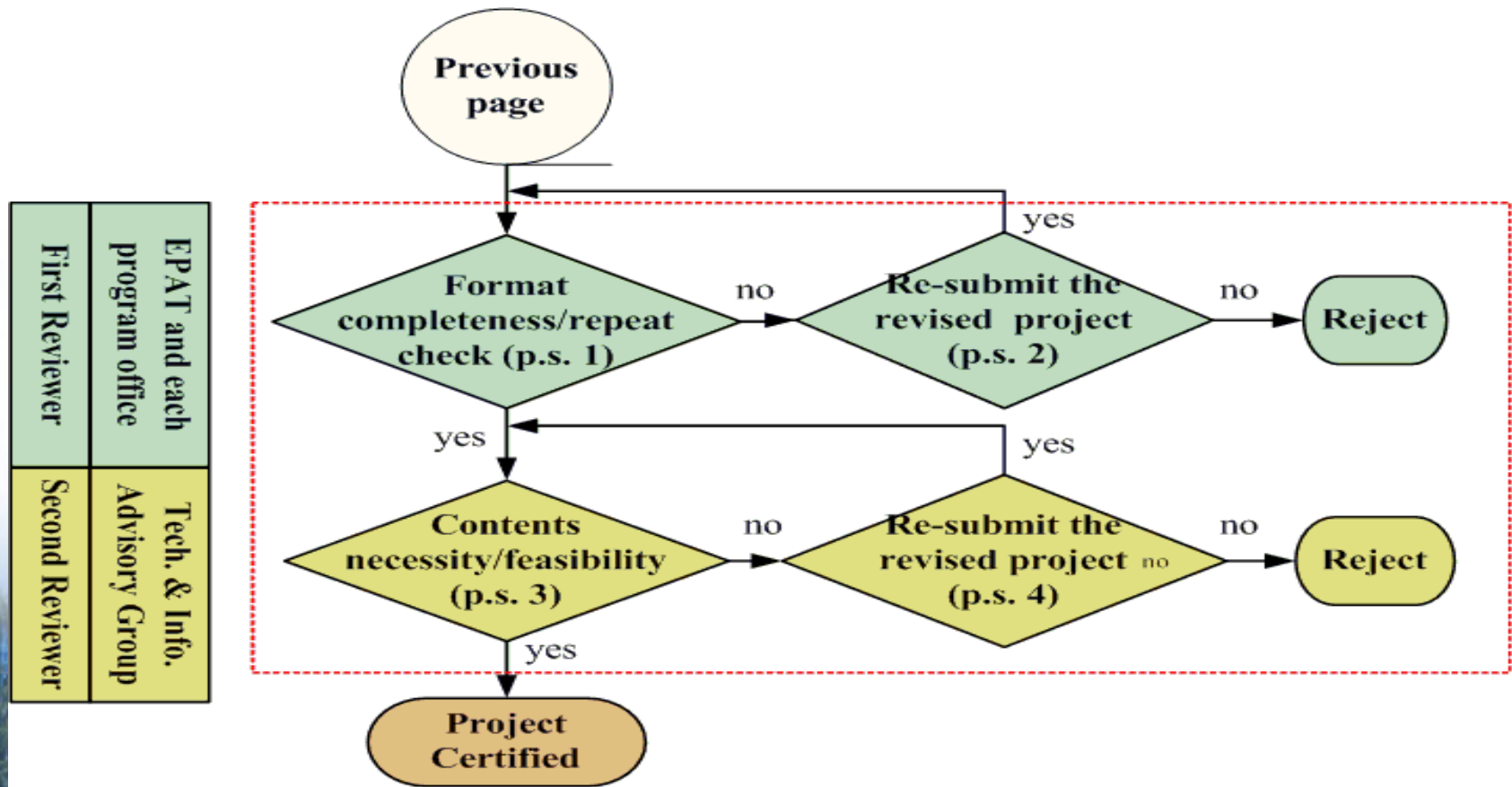
1. The technique is feasible or products are commercialized and with certification or labeling system
2. With human resources training or certification system
3. Self-finance or having specific finance sources and economic inducement
4. Without legal or administration obstacle

Ministries, Cities/counties, Districts, Villages
(Private enterprises, communities, and related entities)

Project proposers/entities

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Projects Submission and Certification Procedure



p.s.1: review the format within 7 days

p.s.2: re-submit the revised project within 15 days

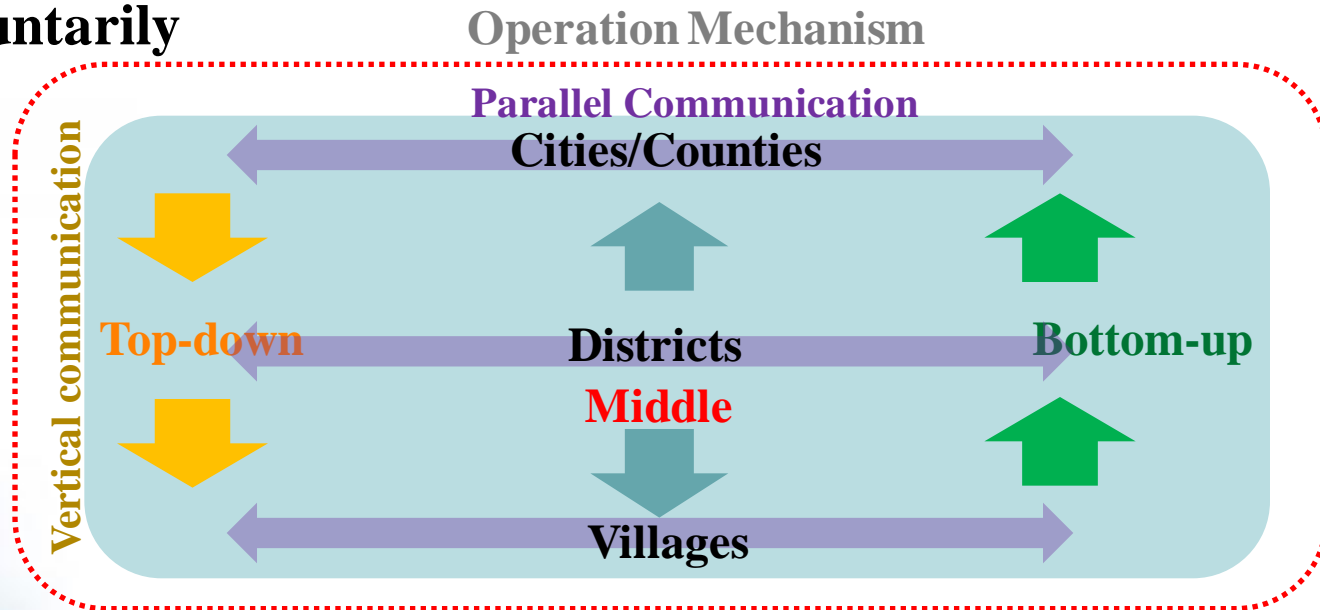
p.s.3: review the contents within 14 days

p.s.4: re-submit the revised project within 30 days

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■ Certification Program

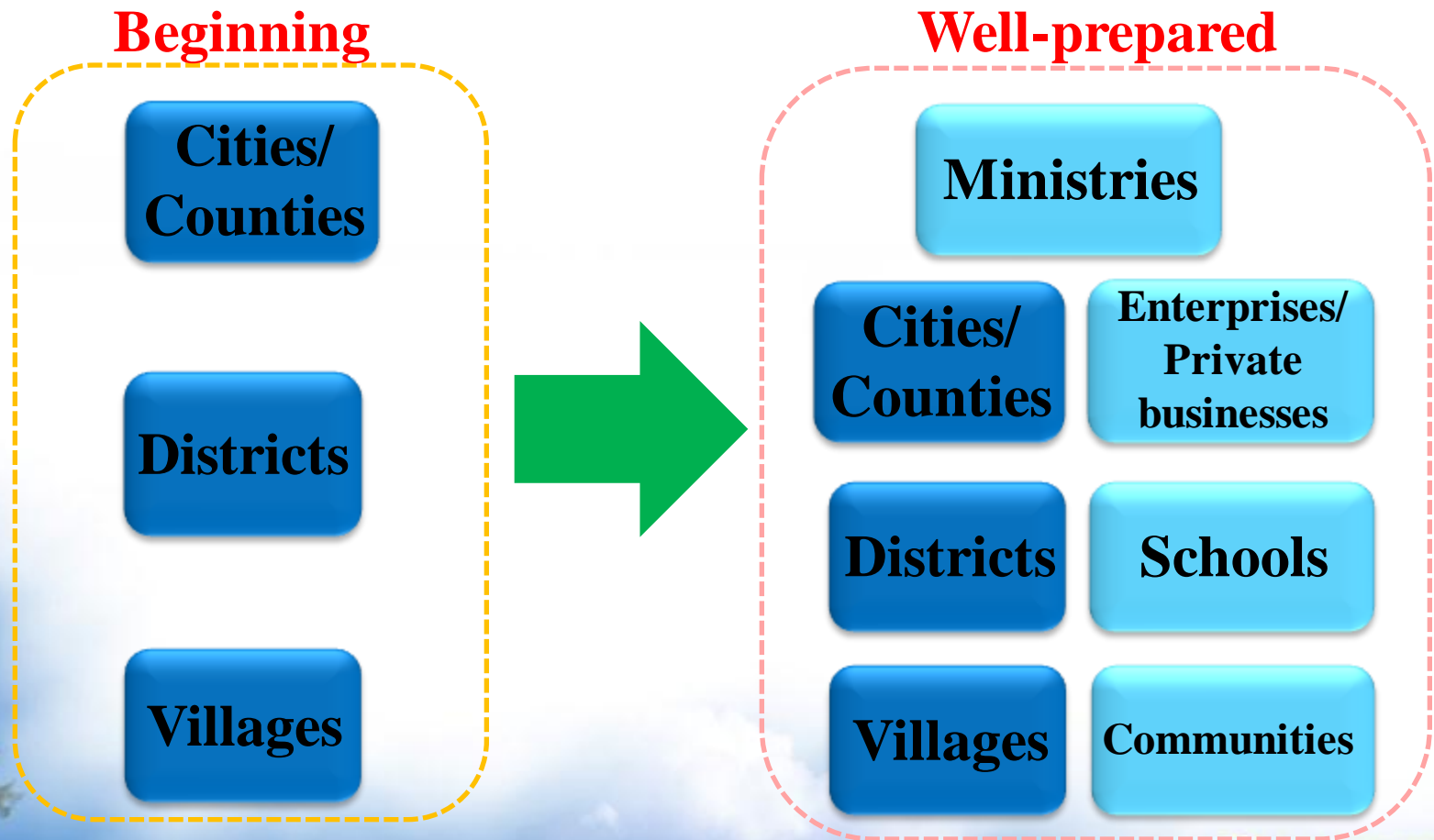
1. Key force to promote low-carbon and sustainable homeland, making communities and cities implement the program voluntarily



2. Base on Sustainable Jersey®
3. Certification levels – registration, bronze, silver, gold, platinum and diamond level (Gold, platinum and diamond are planning)

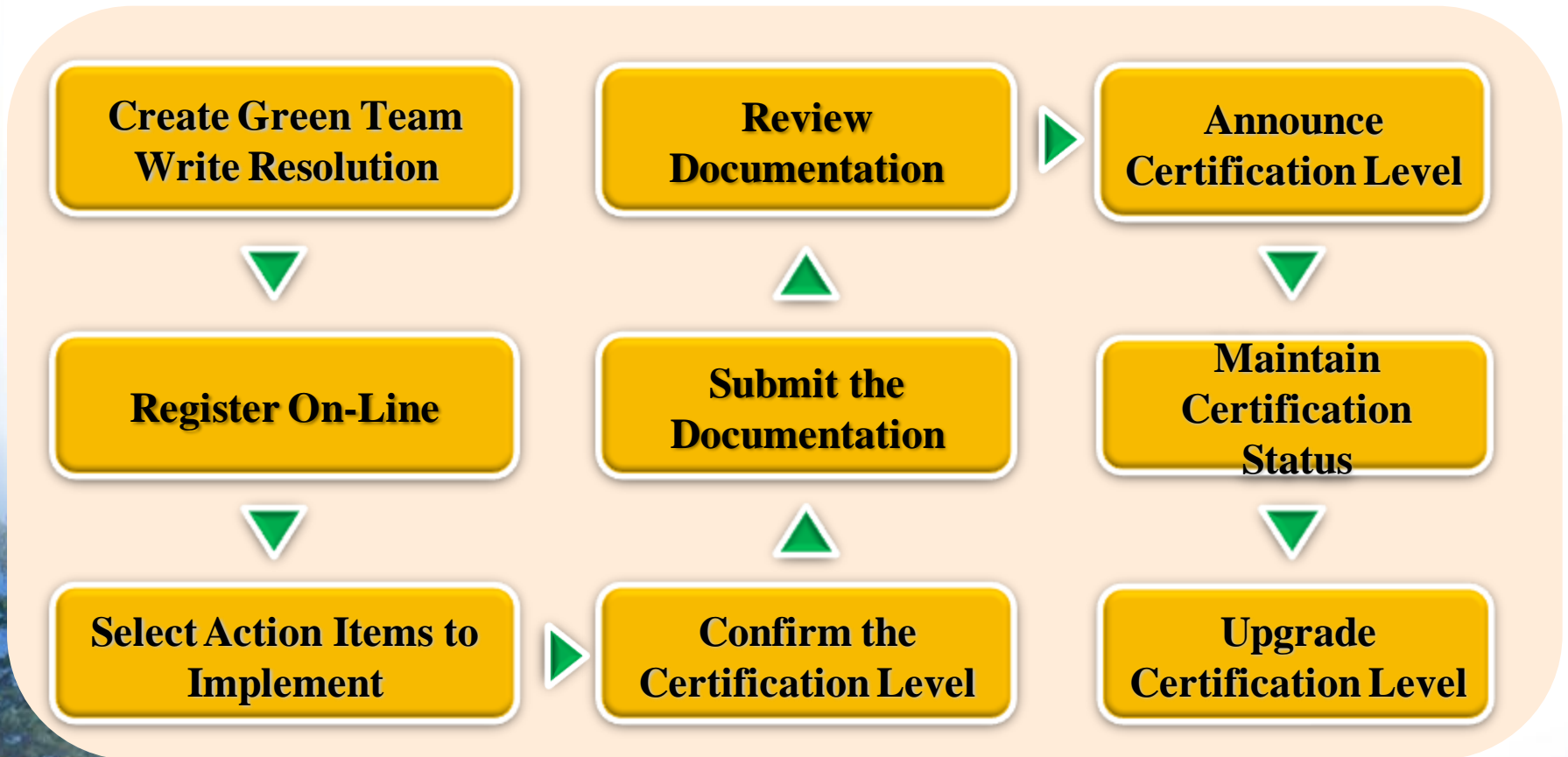
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■ Anticipated participants/parties



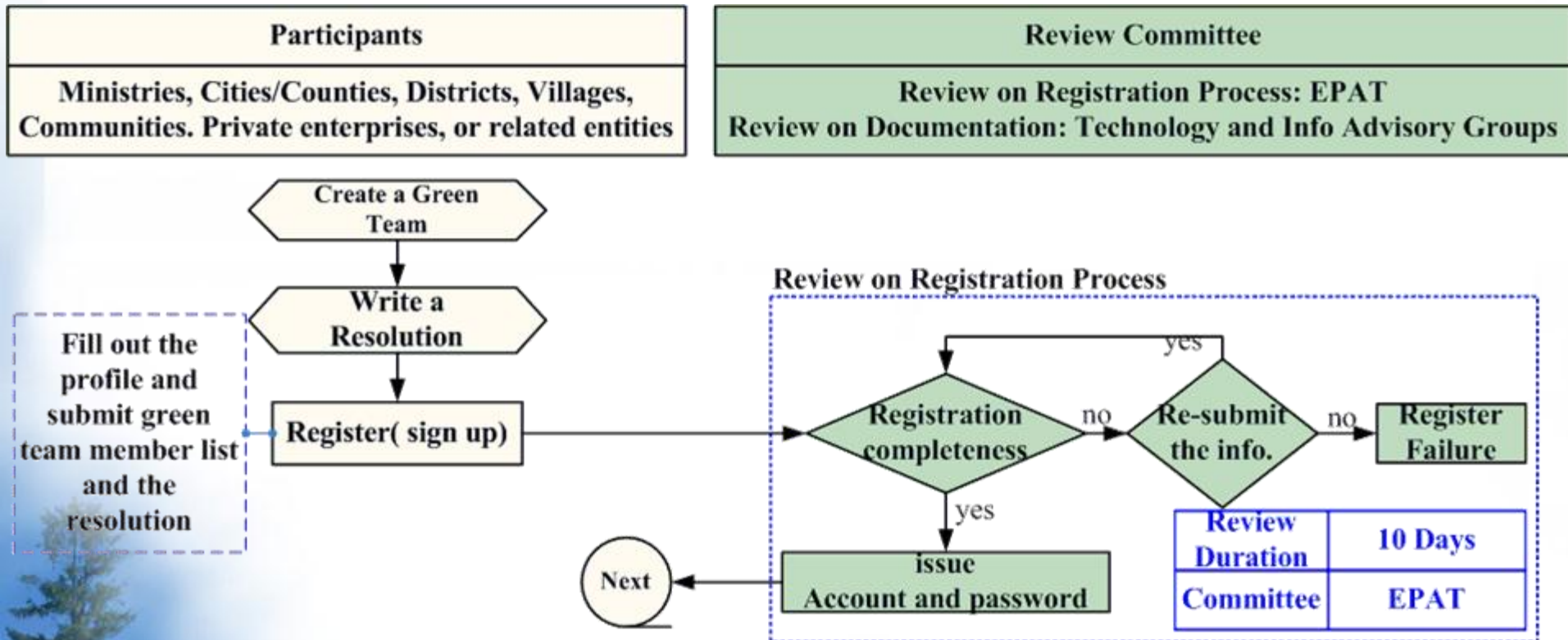
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■ The Procedure for applying the Certification



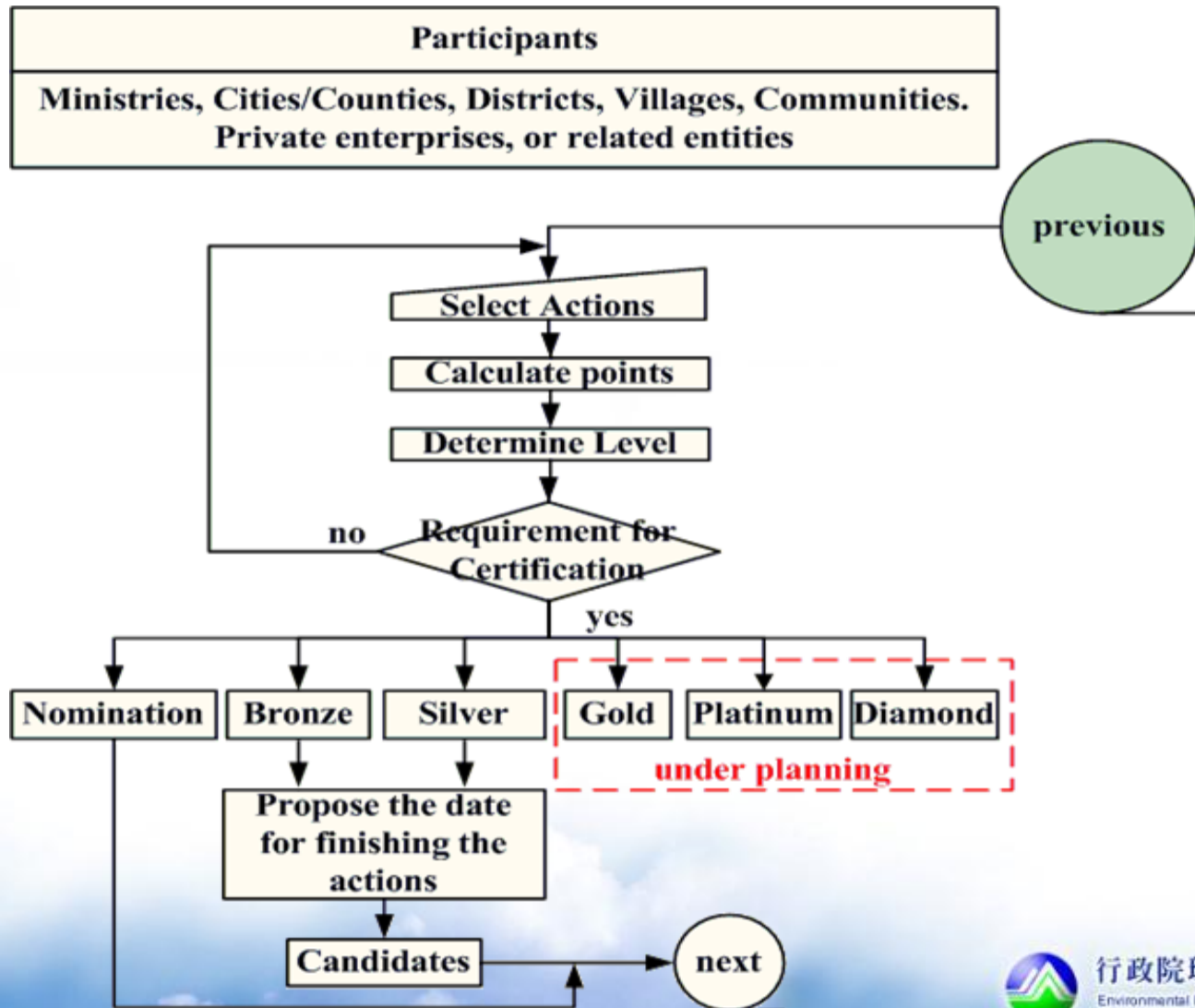
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■ Detailed Procedure for applying the Certification



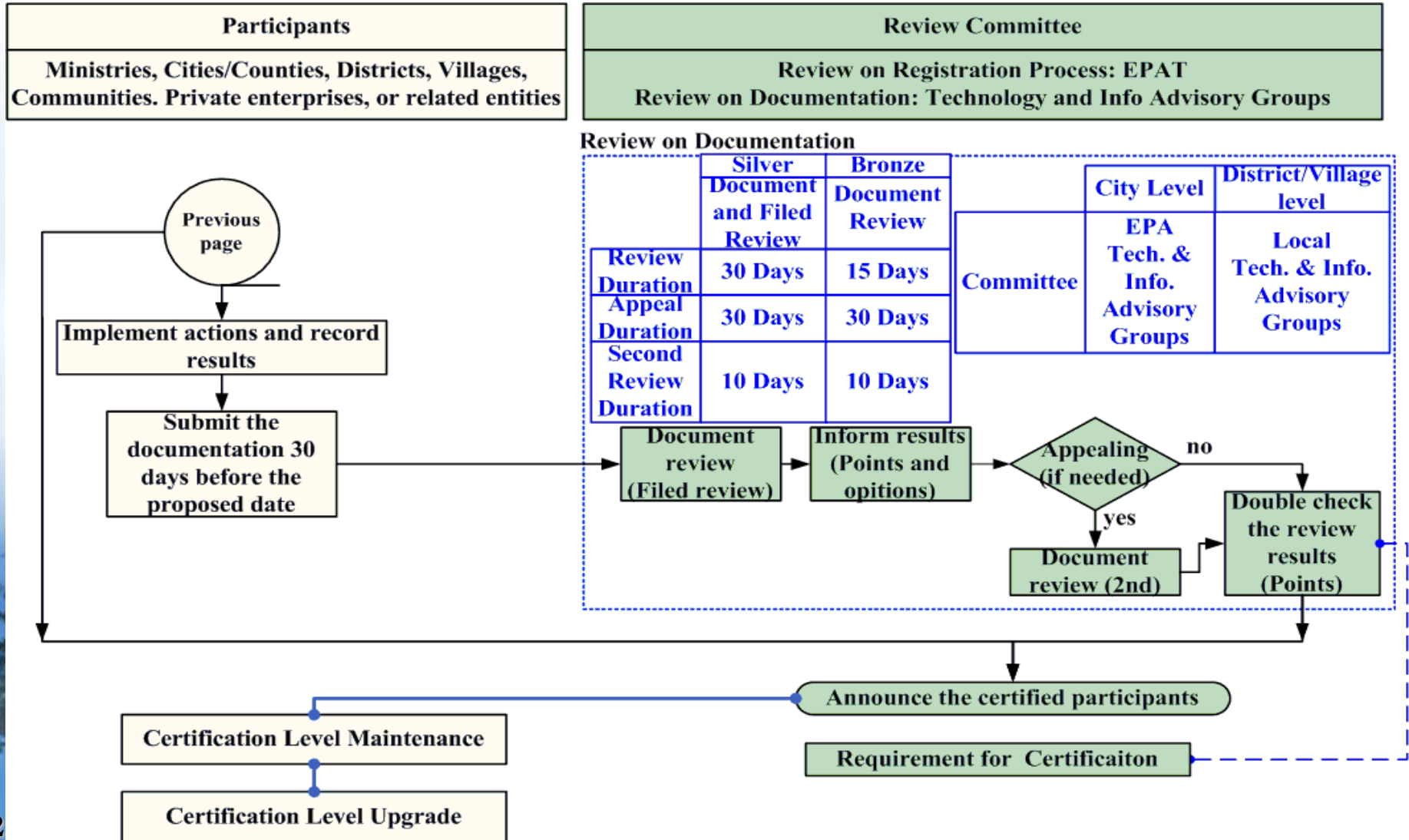
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■ Detailed Procedure for applying the Certification (cont'd)



Low Carbon and Sustainable Homeland Program

■ Detailed Procedure for applying the Certification



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■ Requirement for Certification (draft)

- ✓ All levels have to complete the mandatory actions (create a green team and write the resolution)
- ✓ Gold, Platinum and Diamond level are under planning

party	Nominated	Bronze Level	Silver Level
Community / Village	1. Complete the mandatory actions 2. Point required	1. Point required 2. At least 2 priority actions 3. At least 2 out of 10 fields	1. Point required 2. At least 4 priority actions 3. At least 4 out of 10 fields
District/ Township		1. Point required 2. Certain amount of Bronzes the villages have 3. At least 3 priority actions 4. At least 2 out of 10 fields	1. Point required 2. Certain amount of Bronzes the villages have 3. At least 6 priority actions 4. At least 4 out of 10 fields
City/ County		1. Point required 2. Certain amount of Bronzes the districts have 3. At least 4 priority actions 4. At least 2 out of 10 fields	1. Point required 2. Certain amount of Bronzes the districts have 3. At least 8 priority actions 4. At least 4 out of 10 fields

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■ Requirement for Certification (draft)

- ✓ Action items consist of the mandatory actions, priority actions and optional/innovative actions.
- ✓ Total points comes from action items and certification projects

$$\text{Total points} = \text{points from implementing action items} + \left\{ \begin{array}{l} \text{points from submitting certification projects} \times \\ 10\% \end{array} \right\}$$

- ✓ Grading criteria for certified projects:

Basis point	Implementing Authorities	Implementing Scope	Complexity
5 pt/project	<ul style="list-style-type: none"> ● City/County: + 1 pt ● District: + 3 pt ● Village: + 5 pt 	<ul style="list-style-type: none"> ● City/County: + 5 pt ● District: + 3 pt ● Village: + 1 pt 	<ul style="list-style-type: none"> ● Project covering over 1 fields can get extra point. ● 5 pt/ field ● Max: 30 pts

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■ Certification Level Maintenance

1. The certification is good for 3 program years
2. If the certified party wants to extend 3 more years, it has to apply for extension 90 days before certification expiration.

■ Certification Level Upgrade

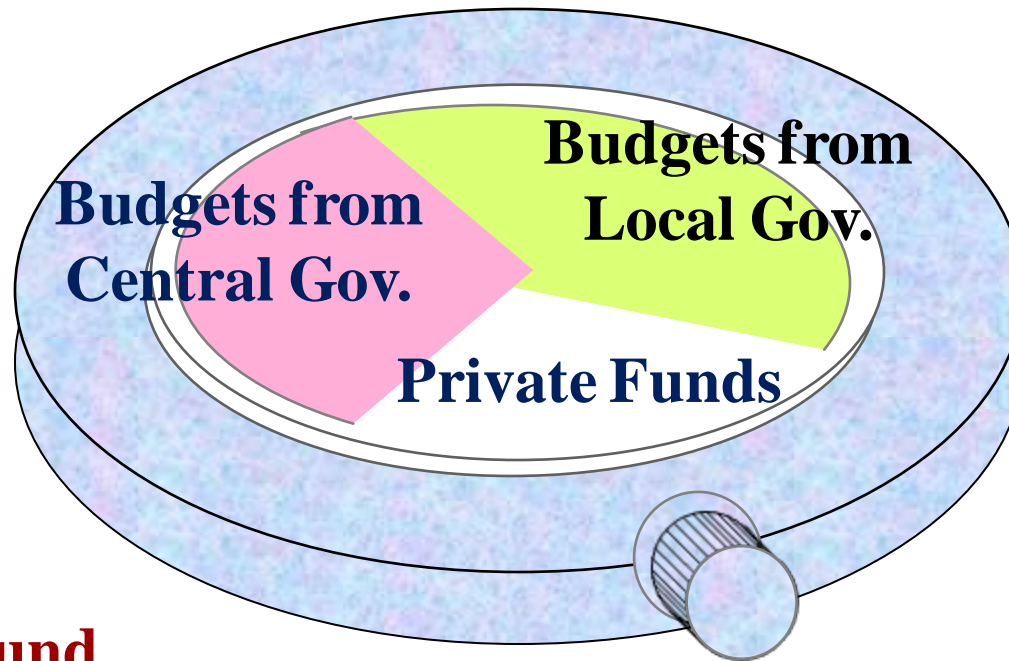
1. Within the certification year, the certified party can apply for higher level as long as submitting the documentation for the “new” actions.
2. After upgrading, the certification period is recalculated, and the period is another 3 program years.



Strategy 2 – Complete the Requirements for Promotion

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■ Sustainable Financial Operation Mechanism



Recycling Fund

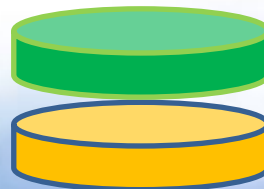
Authority or enterprise:
5 billion



SMECGFT: 5 billion



Summation:
10 billion

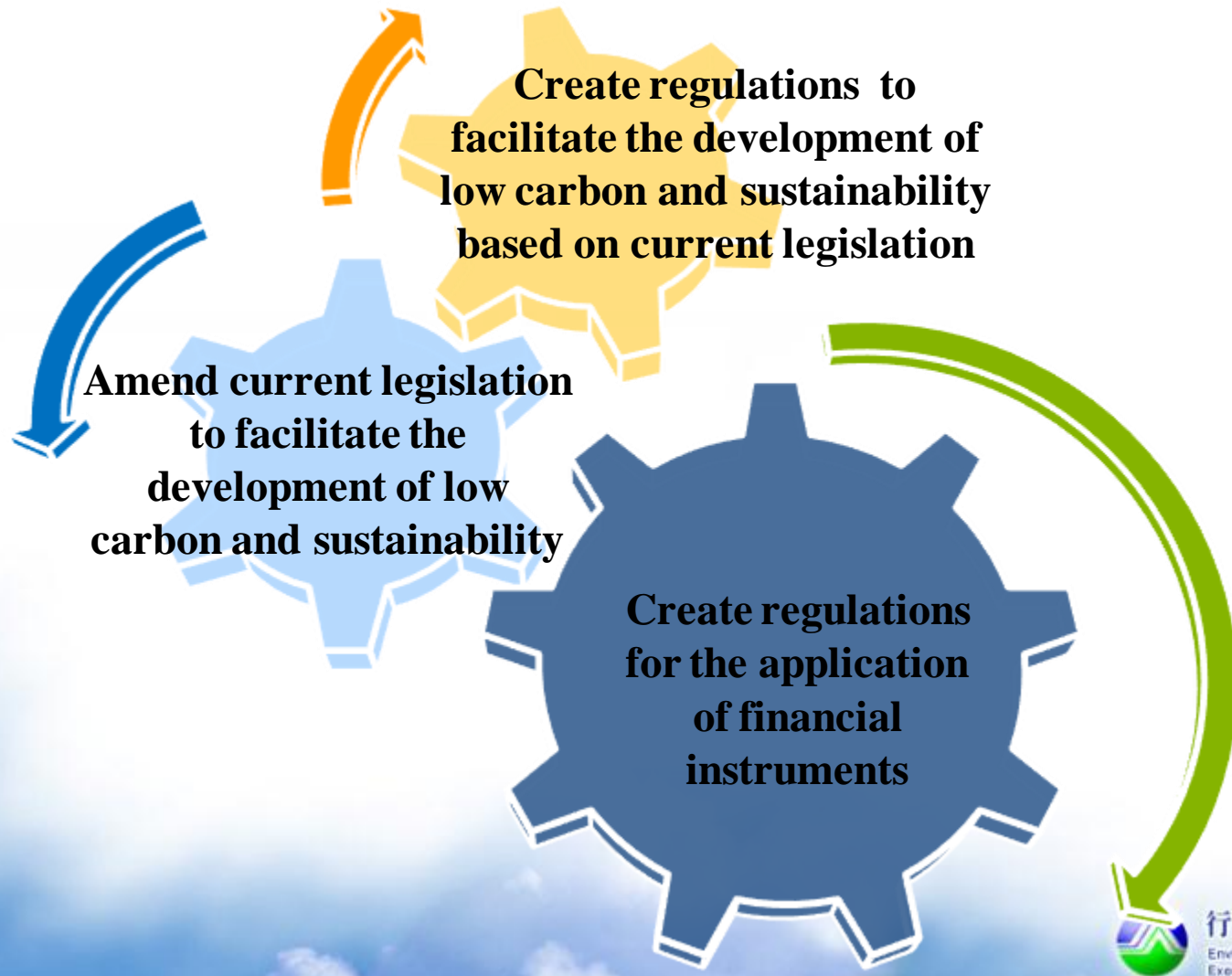


Total amount for
credit guarantee fund:
100 billion



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■ Supporting measures for legislation





**Strategy 3 –
Establish an information sharing mechanism**

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■ Establish an information sharing website



Resources
integration



- Log-in platform
- Results of Declaration

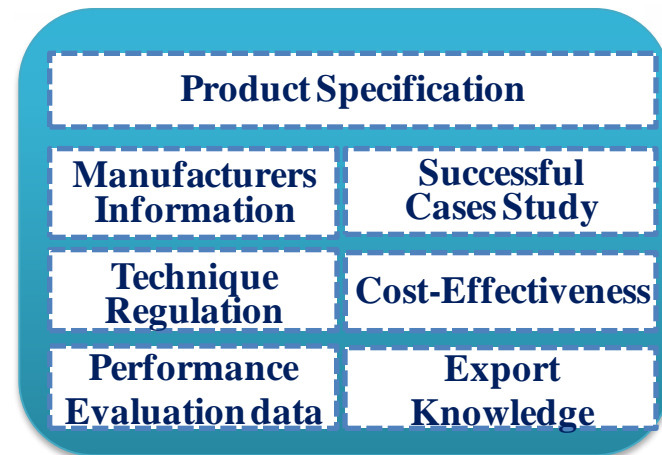
- Program Achievements
- Technology tools
- Experts' conclusions
- Legal regulations
- Implementation Experience



Two-way
communication

- System Management
- Data collection
- Resources supply
- Objects sharing

- Platform tools
- Functional services
- Systems Consulting
- Data search
- Achievement sharing
- Information exchange
- Download service



- Various data output

- Training & counseling
- Evaluation function
- Information establishment
- Experience sharing

Low Carbon and Sustainable Homeland Program

■ Current Condition of the website (English version)

Low carbon and Sustainable Homeland Home | Login Search

Definition of Low carbon and Sustainable Homeland

Based on the vision for sustainable development, the Low Carbon City is a city designed with consideration of economic growth, environment protection, ecology conservation, social justice, and the relevant policies to reduce carbon emission, ensure the safety of energy supply, as ...

>> MORE

● Introduction of the 10 Tech. & Info. Fields
● Education materials and related resources

Certification Information

News Meeting Information Activity

News & Activities

Certification

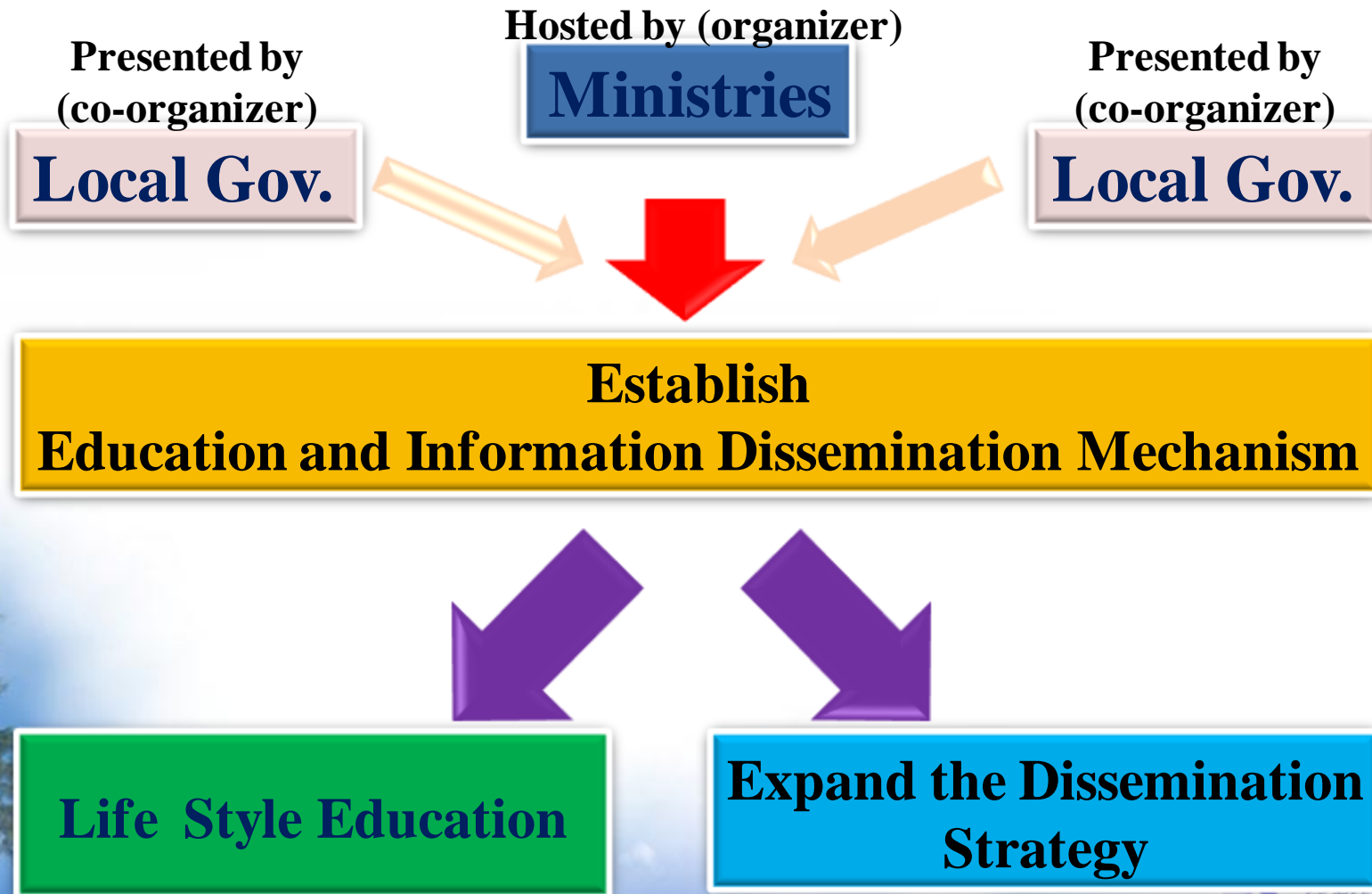
- [About Certification](#)
- [Why Get Certified?](#)
- [Who Can Get Certified?](#)
- [Getting Started](#)



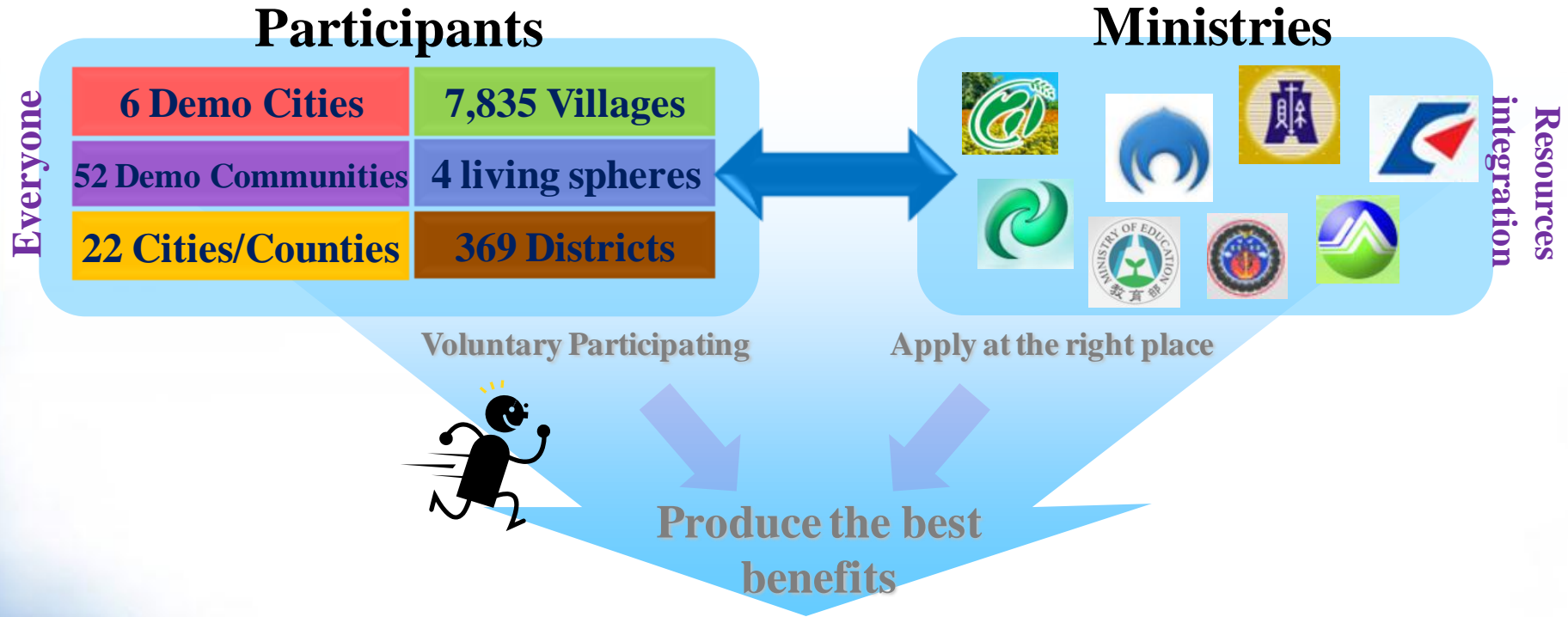
Strategy 4 – Enhance Education and Information Dissemination

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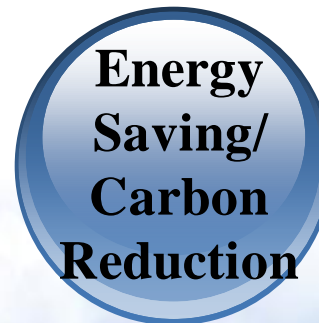
■ Education and Information Dissemination



Expected Performance and Achievement



- 1. Create energy saving working opportunities
- 2. Increase demands for green jobs
- 3. Develop green energy economy



- 1. Enhance energy saving efficiency
- 2. Reduce energy needs
- 3. Reduce expenses for fuel import



The End

Thank you for listening

