

科技廳

Ministry of Science and Technology

Ministry of Science and technology Taiwan

Yue-Gau Chen

Fi-John Chang/Yu-Pin Lin

6/30/2015

Funding Overview

Geographic Area

Geographic area:
Taiwan, Far East Asia

Budget

Annually budget: Approximately
15,000 Million USD, Approximately
7.0 Million USD for SD Division

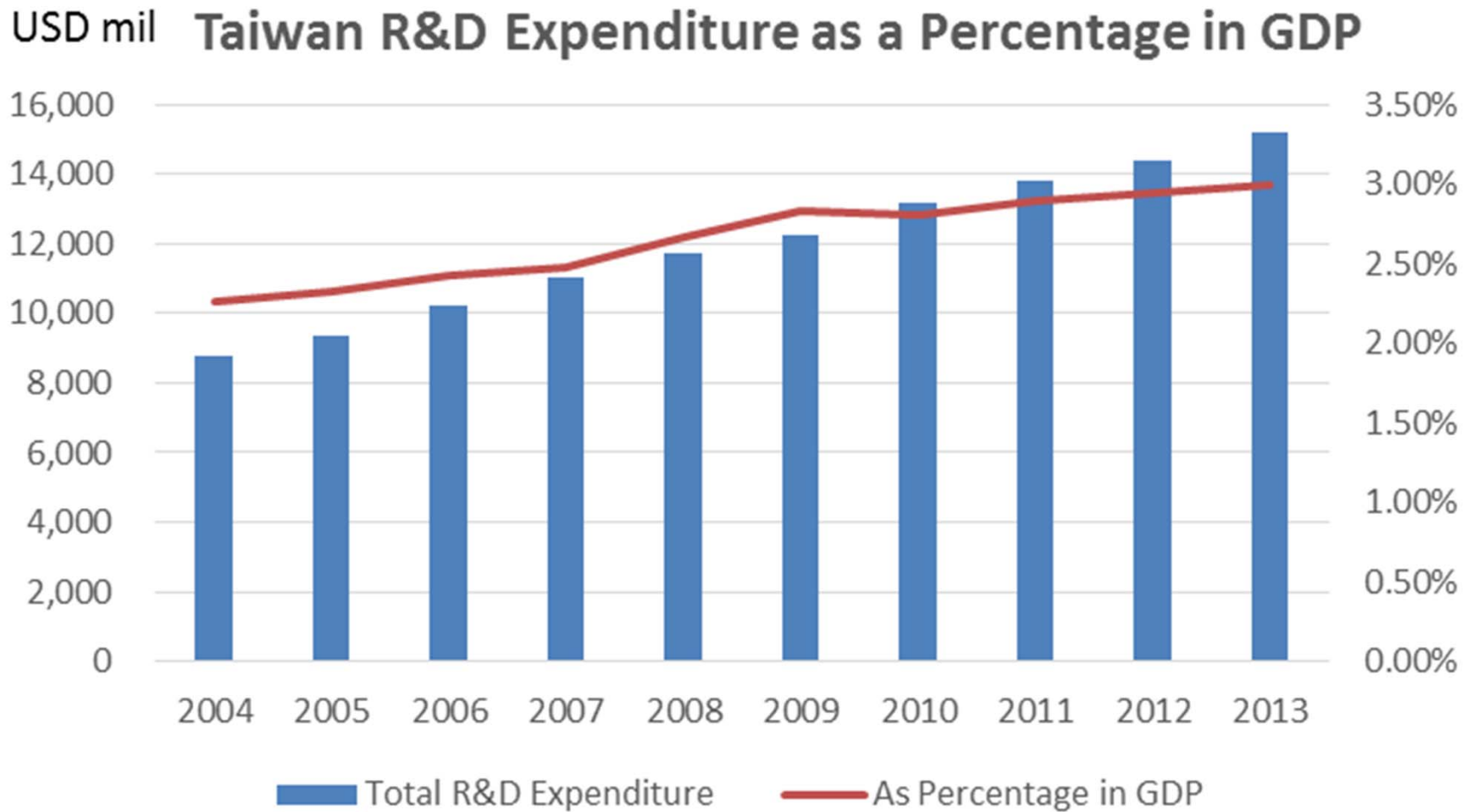
Department Area(s)

Natural Sciences and Sustainable
Development, Engineering & Tech.,
Life sciences, International
Collaboration & Science Education,
Humanities & Social Sciences,...

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Taiwan R&D Expenditure

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- Department of Natural Sciences and Sustainable Development
 - Atmospheric Sciences Division
 - Chemistry Division
 - Disaster Division
 - Earth Science Division
 - Mathematics and Statistics Division
 - Oceanography Division
 - Physics Division
 - Sustainable Development Division (SDD)
 - Spatial informatics Division

Characteristic of Sustainable Development Research Project in MOST.

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- **Mission Orientated.**
 - Research topics of SDD are reviewed and revised regularly to meet the needs of policy on national development.
- **Highly Integrated.**
 - The SDD encourage proposals of interdisciplinary research project. Each project must have 3~5 sub-projects.

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Review of Sustainable Development Research Topics.

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(1997-2008)

- **Global Change Group:** Research themes including: Monitor and simulation of environment change; **Development of international conventions;** **Impact of global environment change** on Taiwan...etc.
- **Environment Protection Group:** Research themes including: Management of waste; **Pollution control;** **Conservation on costal and slope land...**etc.
- **Humanities ∩ Economic and Social Group:** Research themes including: Industrial policy; **Agriculture policy;** **Transportation policy;** **Energy policy;** **Decision making and executive mechanism...**etc.

Review of Sustainable Development Research Topics. (2009-2014)

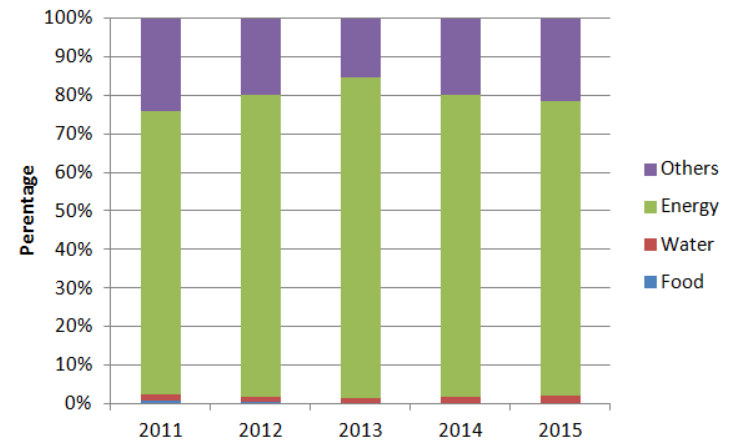
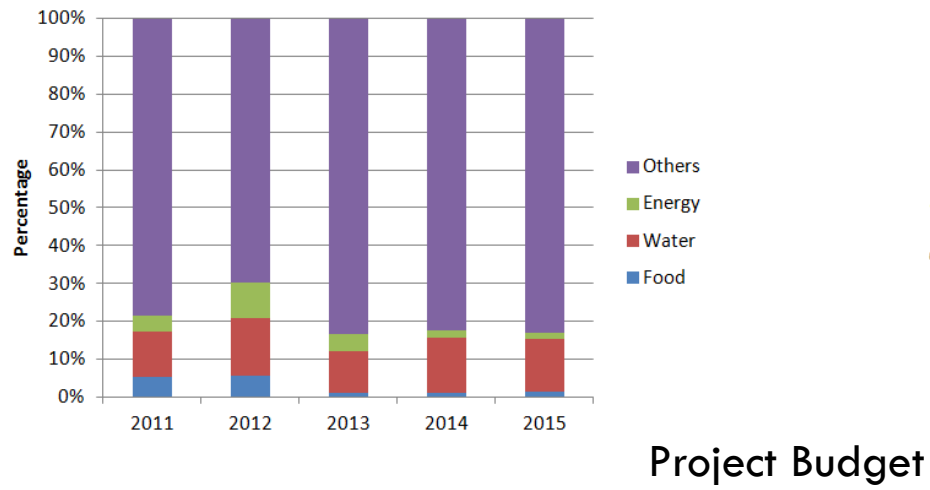
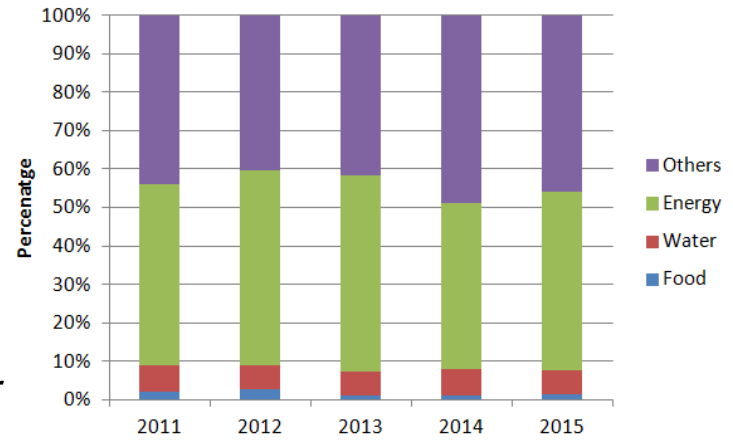
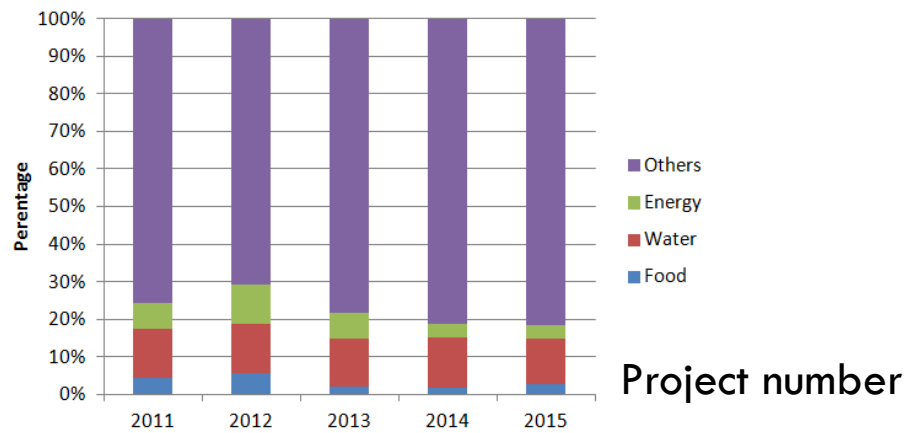
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In 2008, “***Sustainable Development Research Plan for SDD: Mid-term Research Strategy***” of NSC reorganized research topics on Sustainable Development:

- *Sustainable Society and Human Security;*
- *Environmental Governance;*
- *Land Use and Urban Development;*
- *Industrial Transform;*
- *Sustainable Resource and Environment.*

Each Topic have 2-5 research themes.

Annual budget for SDD funded by the Ministry of Science and Technology.



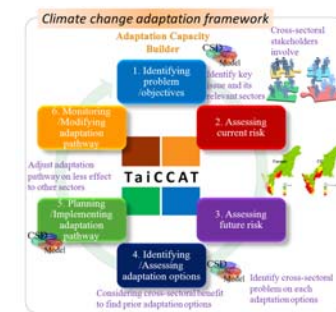
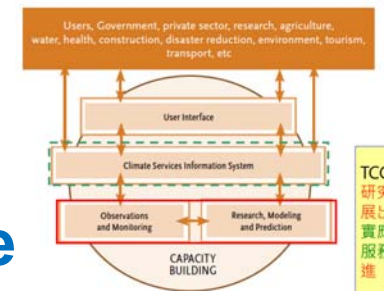
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Funding Examples

Taiwan Climate Change Projection and Information Platform Project (TCCIP)

Integrated Research Program on Climate Adaptation Technology (TaiCCAT)

Core projects for future earth (included in regular Calls)



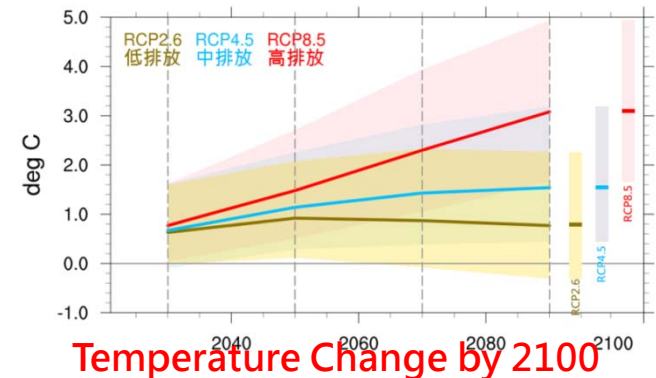
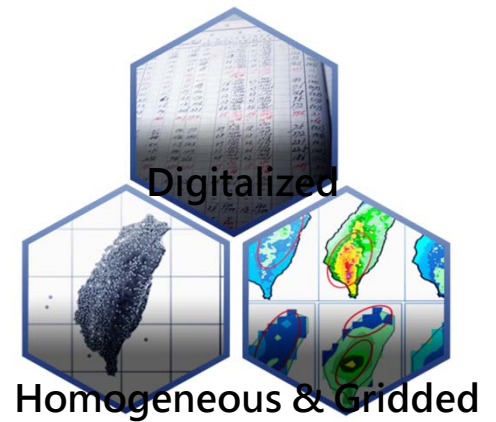
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Taiwan Climate Change Projection and Information Platform Project (TCCIP)

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□ TCCIP is a large research project that hopes to support adaptation policies with scientific evidence.

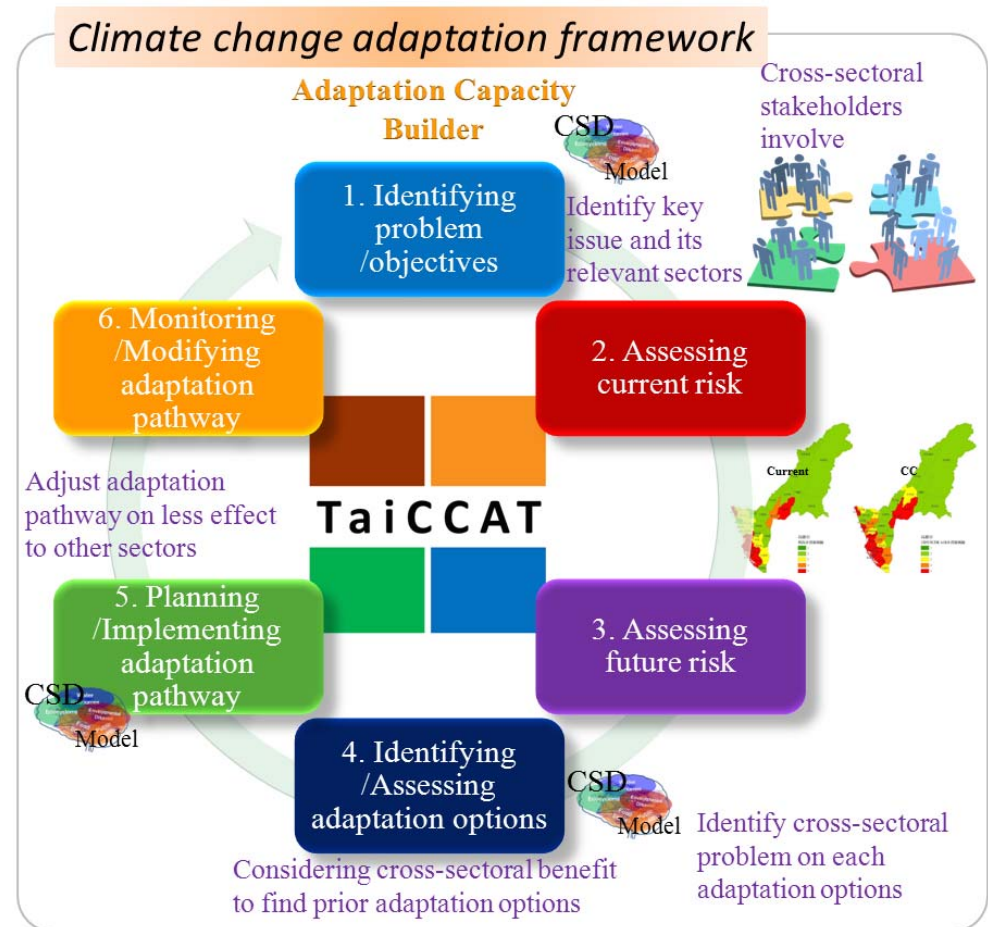
- To integrate climate-related data from a variety of governmental agencies (e.g., CWB, WRA, etc.)
- To produce local climate data for historical observation and future projection (i.e., downscale GCM to Taiwan)
- To provide climate service (i.e., data disclose in a user-friendly website)



Integrated Research Program on Climate Change Adaptation

11 Technology (TaiCCAT)

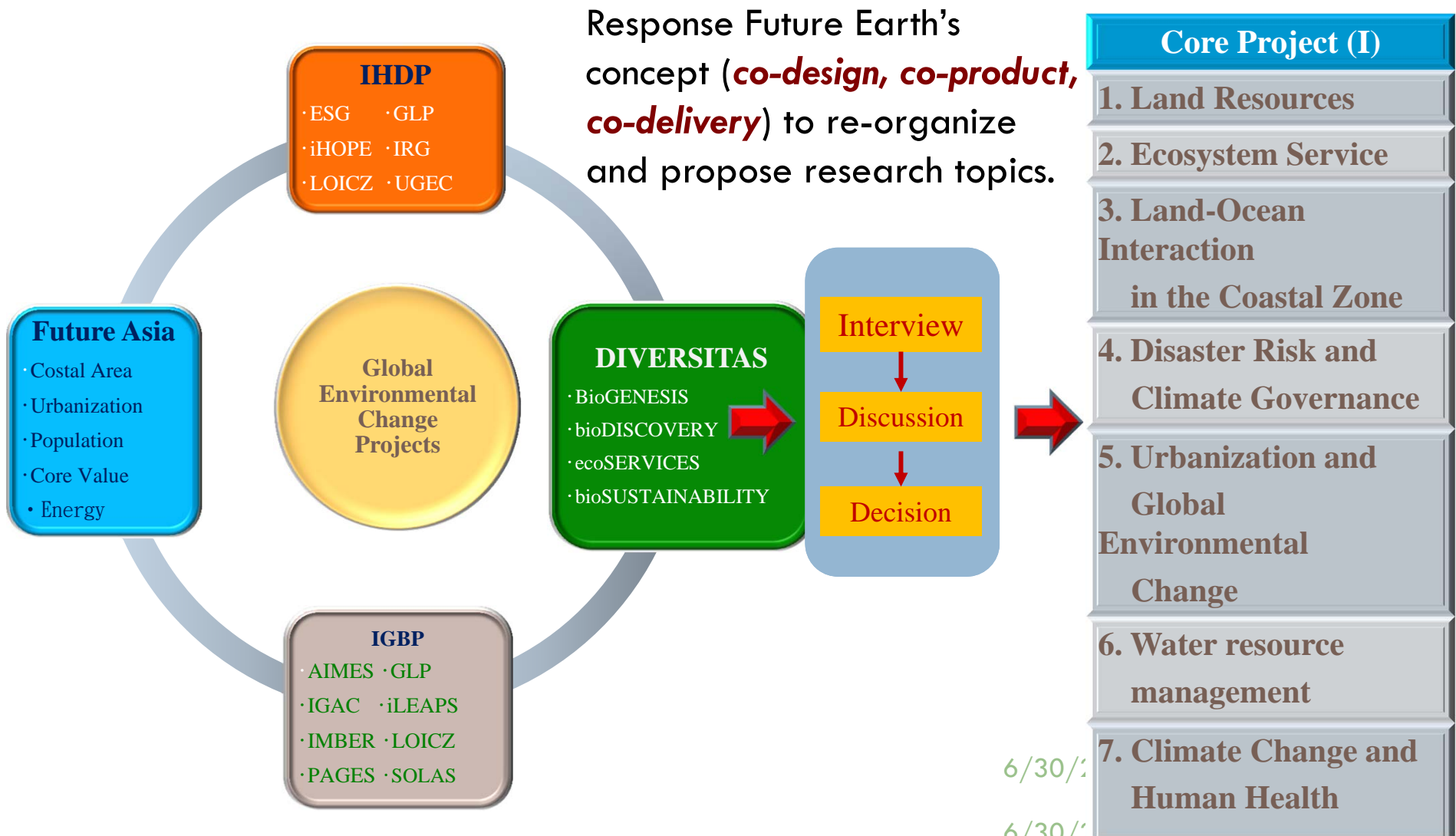
The project, Taiwan Integrated Research Program on Climate Change Adaptation Technology (TaiCCAT), has developed the Cross-sectoral System Dynamic Model (CSD Model) to deal with cross-sectoral issues and built the 6-steps climate change adaptation framework for supporting adaptation making.



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Current planning of Sustainable Development Researches in Taiwan.

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Current and Future Funding Priorities

- 1 | Regular Calls and Core Projects
- 2 | TCCIP & TaiCCAT
- 3 | Belmont Forum Calls & International collaborations



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自然科學及永續研究發展司

Department of Natural Sciences and Sustainable Development



Thank You for Your Attention

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