



Mechanisms Supporting Sustained Collaboration between Government, Industry, and University

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GLOBAL EDUCATION DIALOGUES

**The East Asia Series
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Starting Point

2

Challenges and Pressures

3

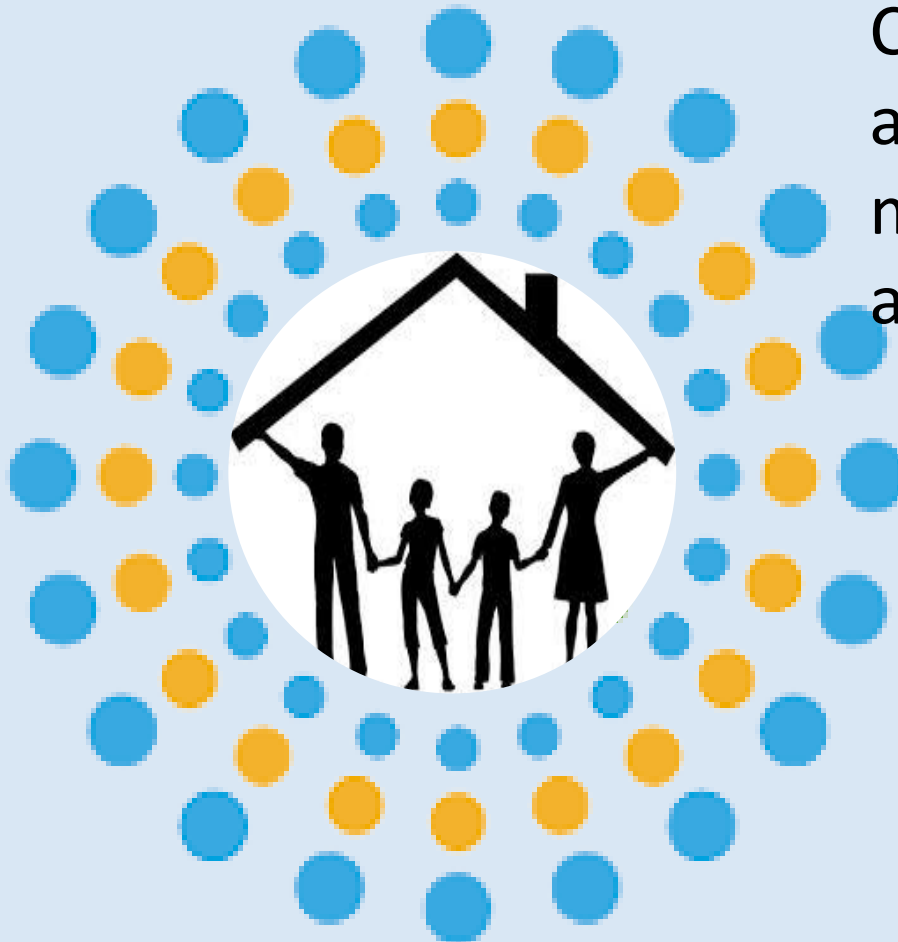
Solution

4

Vision



Starting Point



Children and their development are at the forefront of the minds of government, industry and university leaders



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Challenges and Pressures (1/2)

Industry

- Global competition
- Decline of value-add

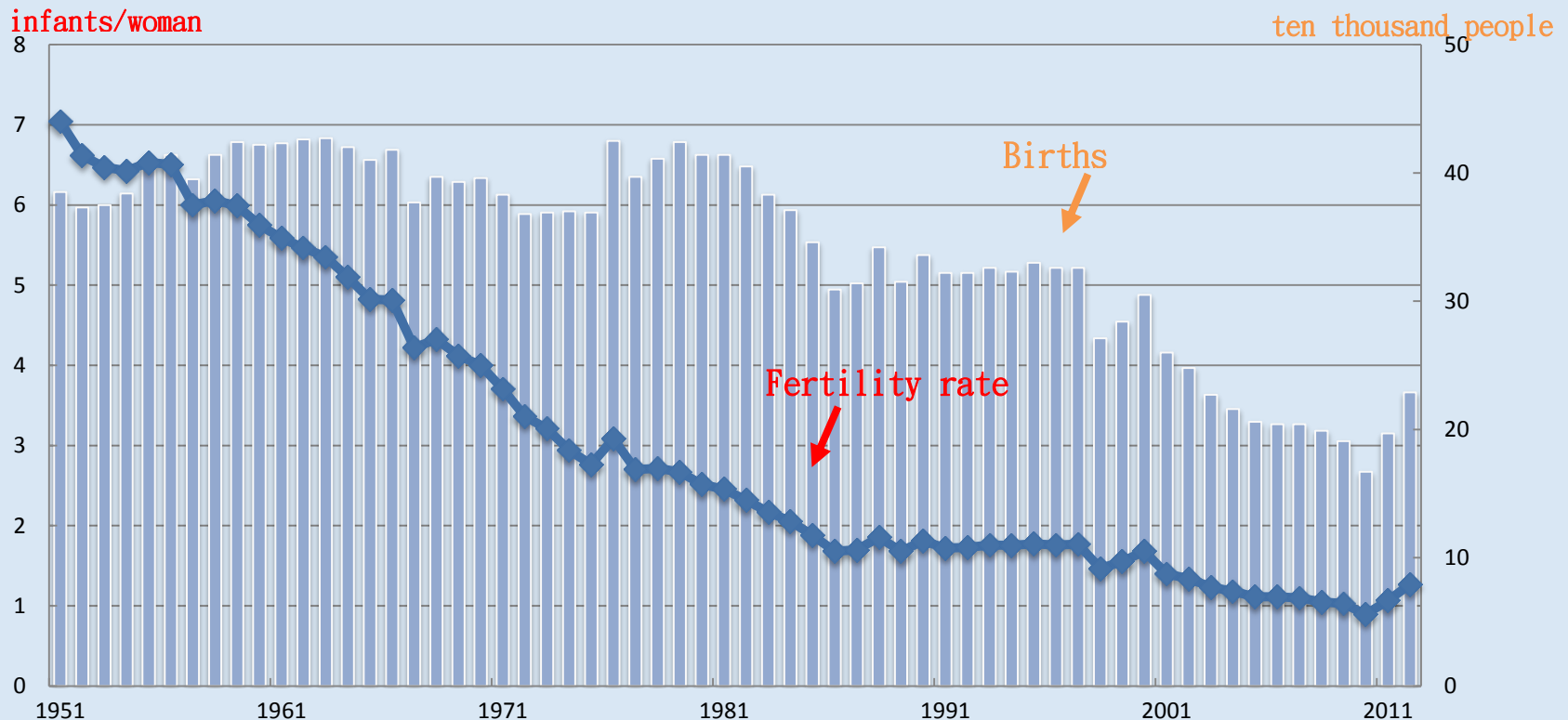
Government

- Key Performance Indicators
- Slow economic growth

University

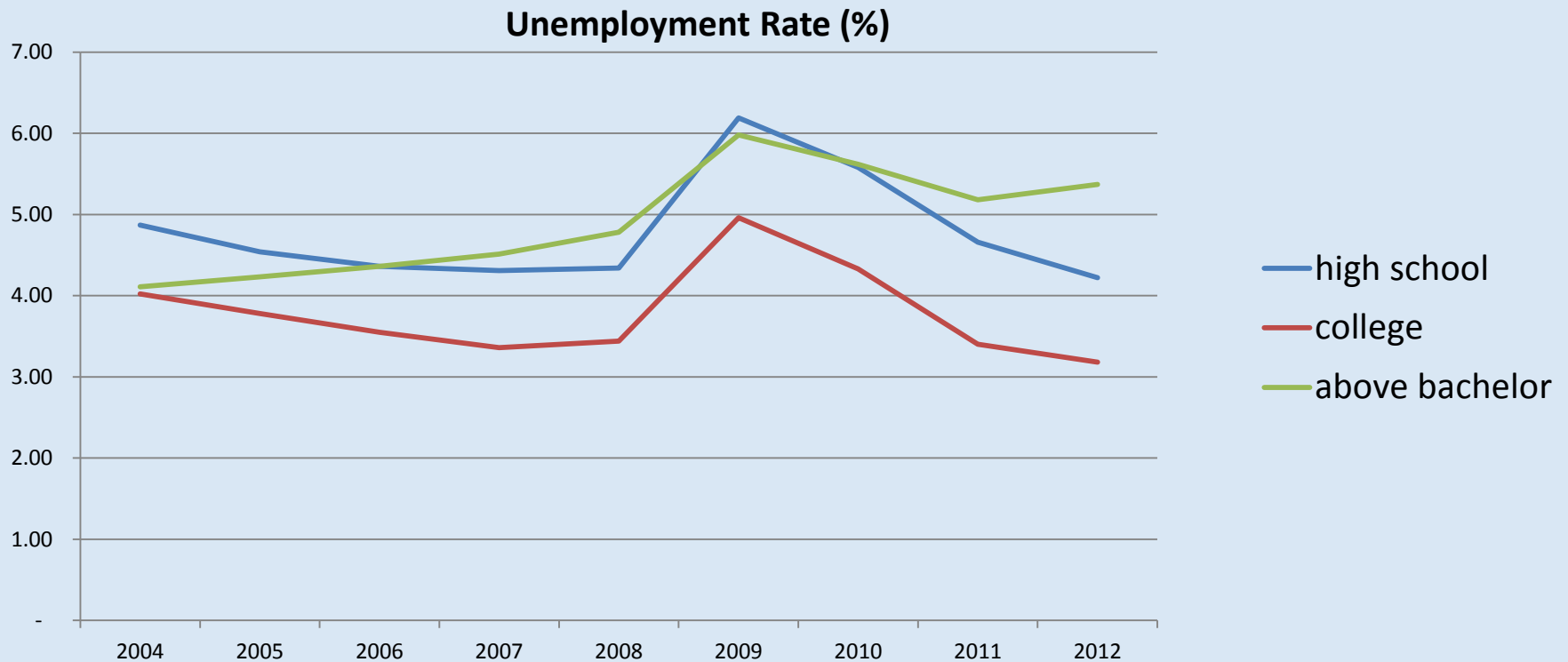
- Decline of employment rate among graduates
- Industry-academia gap

With low fertility, parents cultivate their children's development with heart and soul



Challenges and Pressures - University

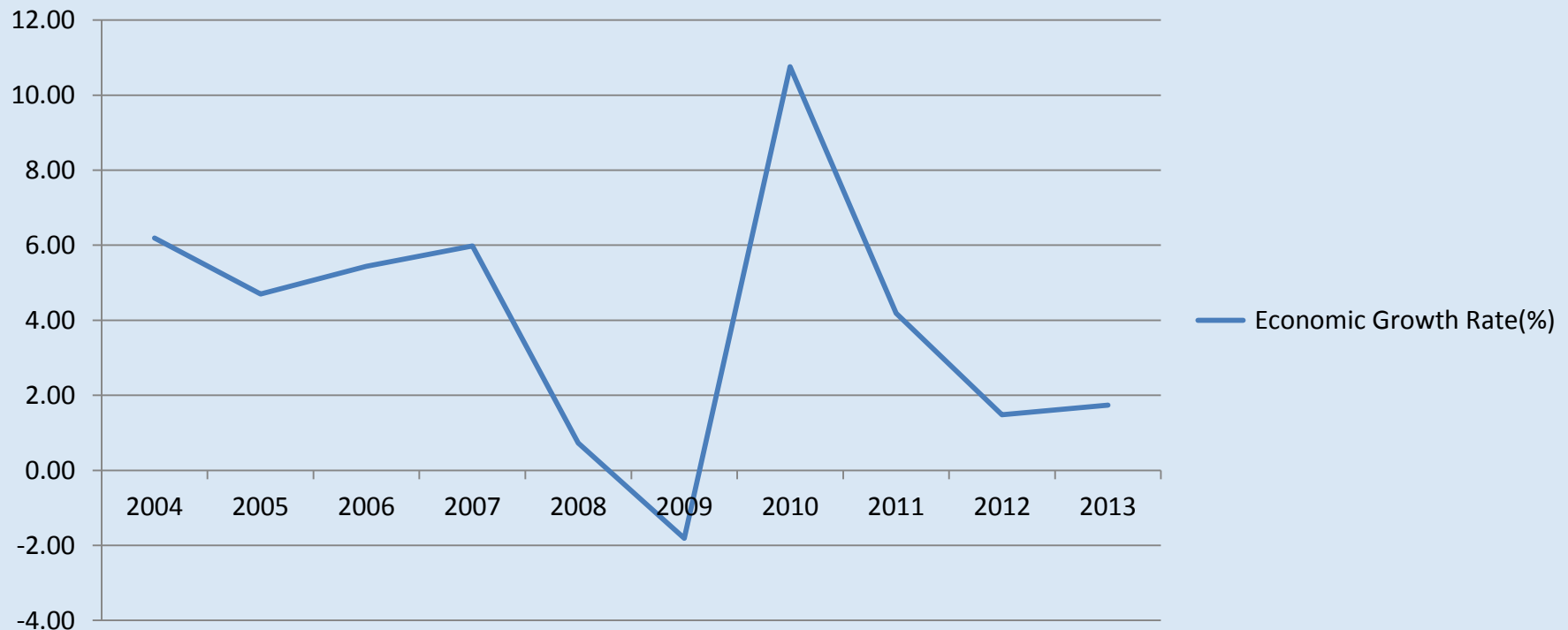
Yet, young people and the highly educated are facing unemployment in Taiwan



Challenges and Pressures - Government

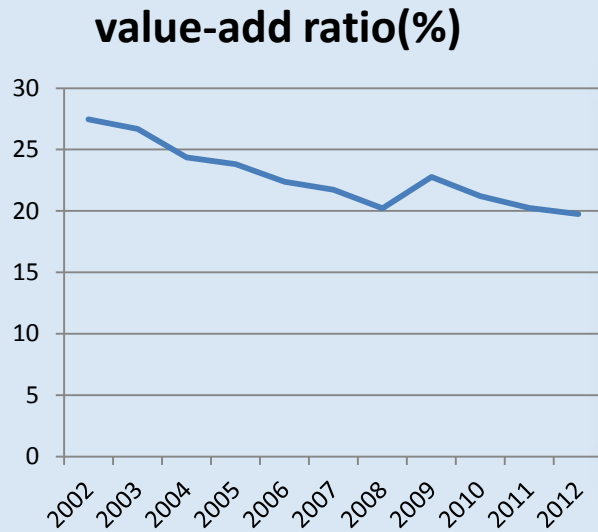
With global economic challenges, growth has been slow in Taiwan over the past few years

Economic Growth Rate(%)



Challenges and Pressures - Industry

Policies to promote industry diversification and innovation in Taiwan aim to correct the low value-add ratio for the manufacturing industry



It is indicative of serious issues in terms of both the education system and manpower utilization



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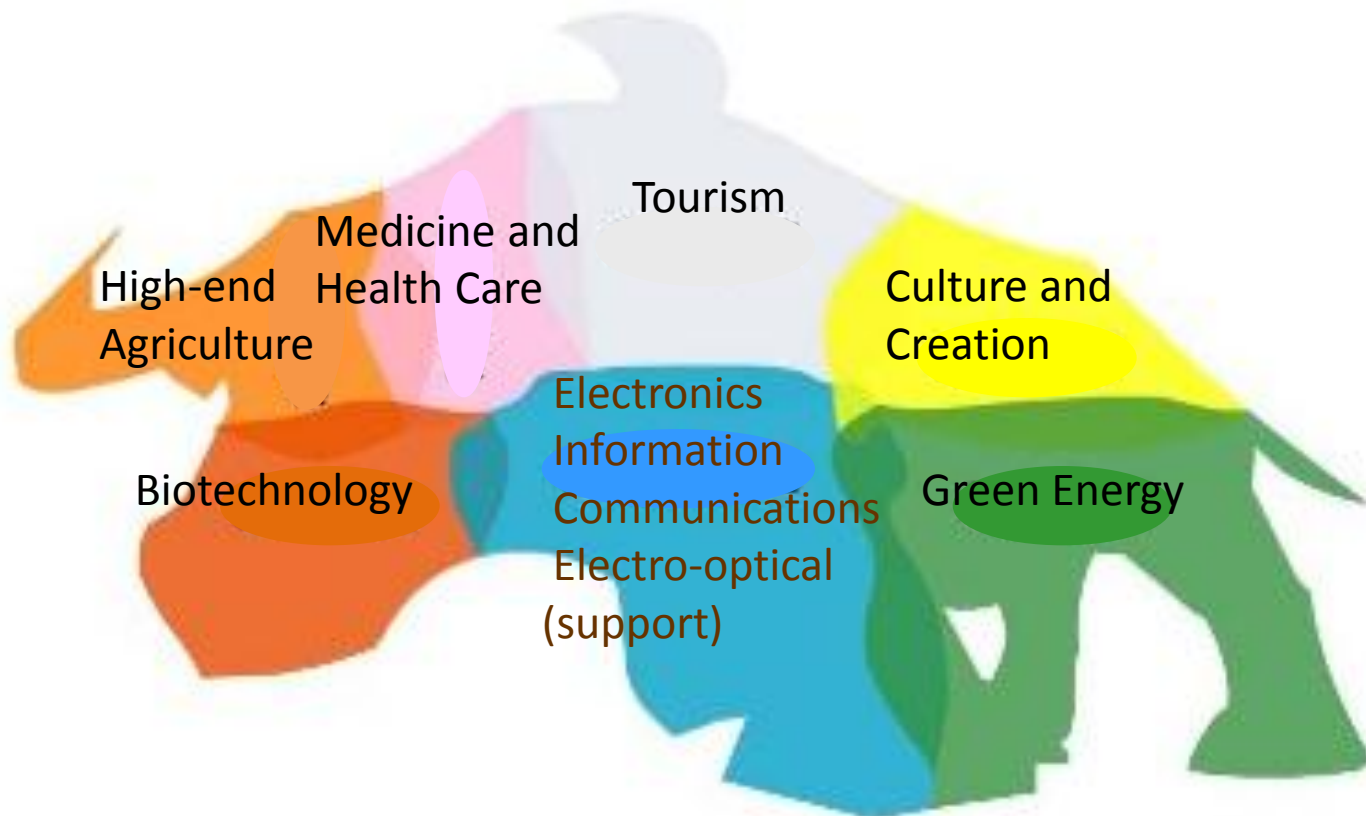
Solution

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Vision



Six Key Emerging Industries



Six Key Emerging Industries^(1/2)

Biotechnology

- Supra incubator center
- Establish a regulatory environment compatible with international standards.

Medicine and Health Care

- Expand national healthy safety, international medical services, smart medical services and healthcare and build up the brand.

Culture and Creation

- Introduce business models and intangible asset assessment schemes and provide the industry with R&D assistance to commercialize creative culture.

Six Key Emerging Industries^(2/2)

Tourism

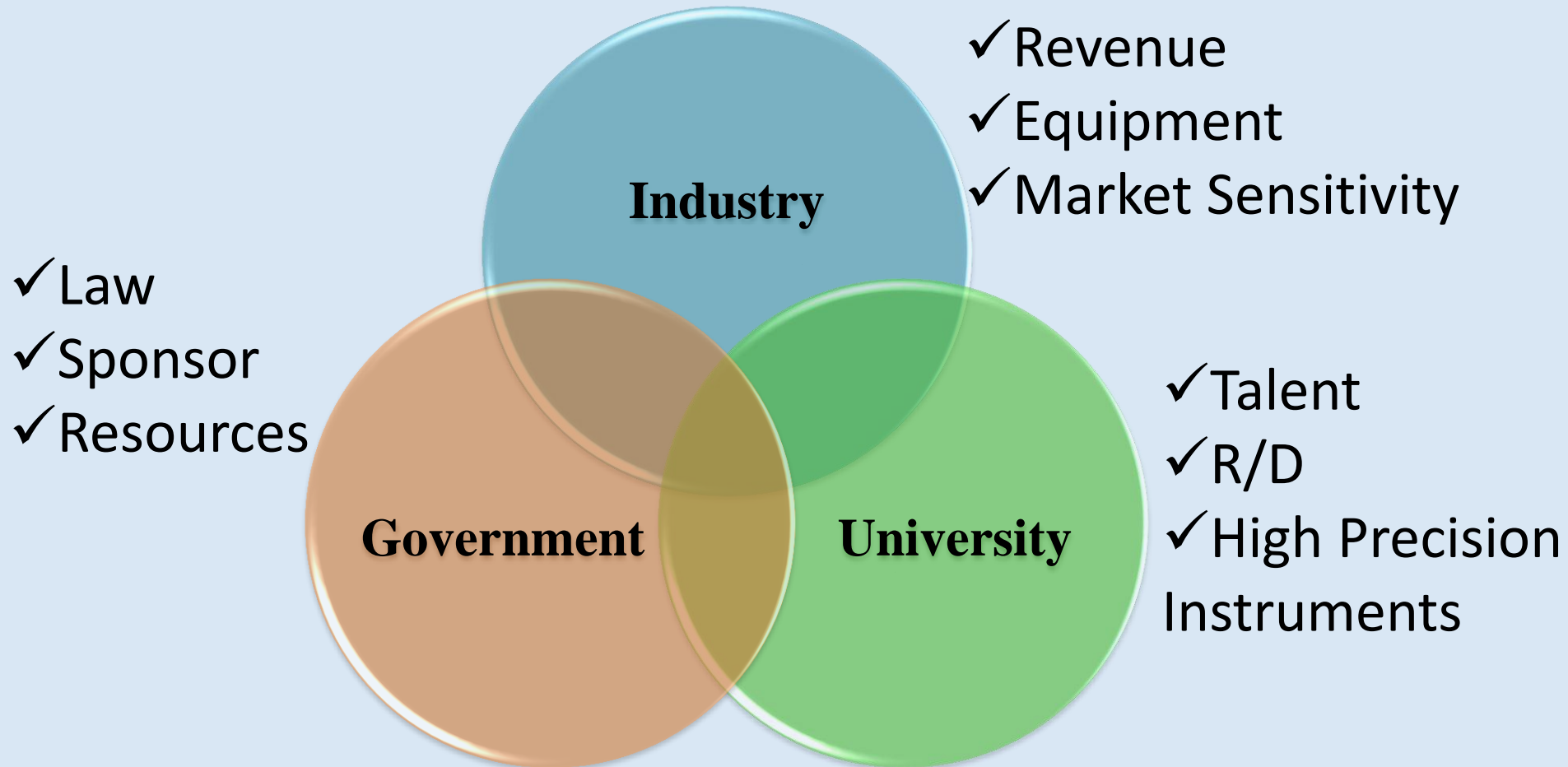
- Establish themes for regional development
- receive a makeover of industry structure and manpower through the "Foundation Building" plan to build competitiveness at the grassroots level.

Green Energy

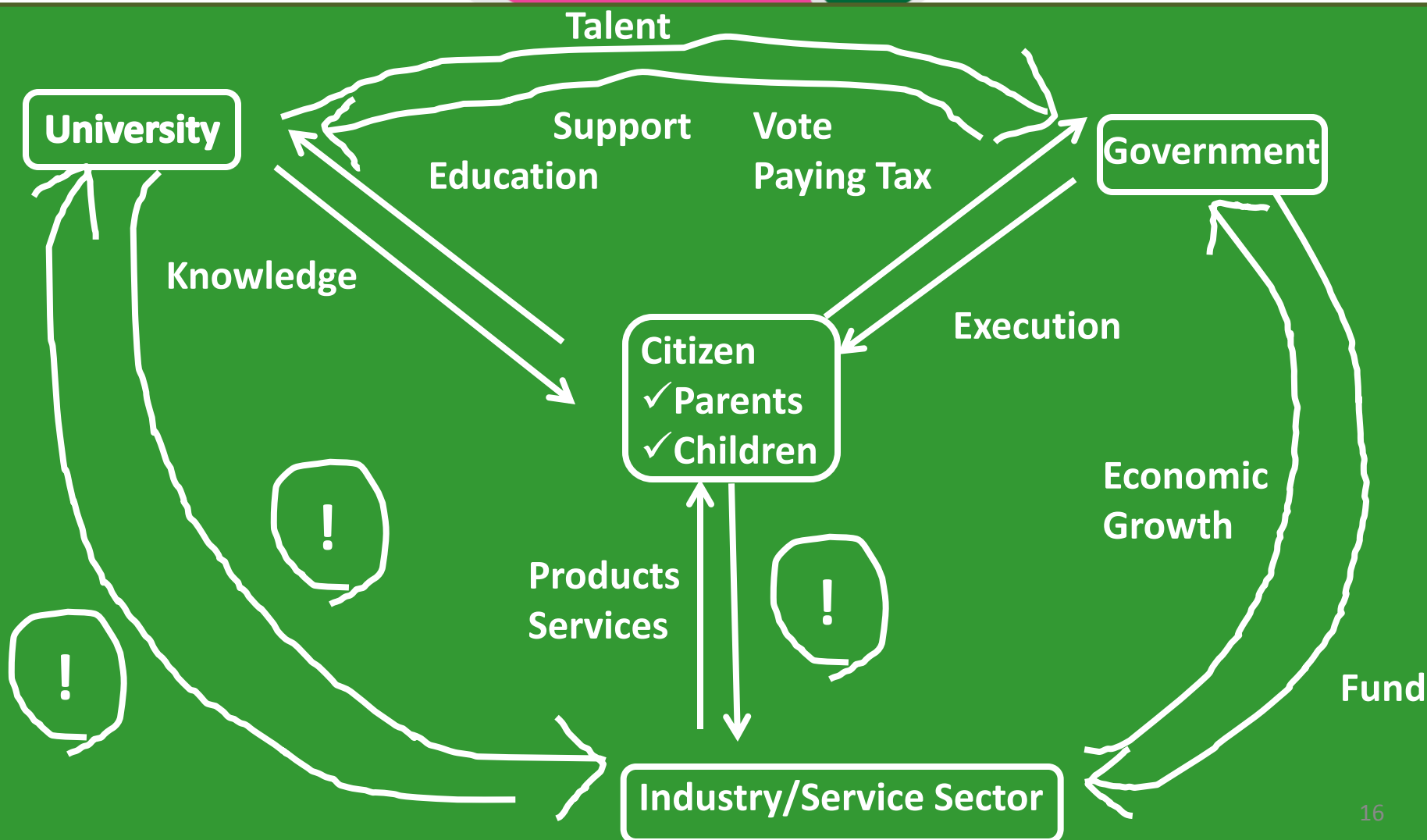
- Develop Taiwan into a key developer and producer of energy technologies.
- Cultivate the high-level expertise needed in energy technology and develop pioneering energy technologies.

High-end Agriculture

- LOHAS and healthy agriculture.
- Expand the producer labeling and certification scheme to differentiate local products from imports.



Interwoven Relationship



Trust is the most important basis of collaboration and cooperation



Taiwan Tech

**TAIWAN
TECH** National Taiwan University of
Science and Technology



Rankings of Taiwan Tech

QS World University Rankings by Subject 2013	World Rankings	Taiwan Rankings
Computer Science and Information Systems	51-100	3
Mechanical Engineering	101-150	3
Chemical Engineering	151-200	4
Electrical and Electronic Engineering	101-150	5
Education and Training	151-200	5

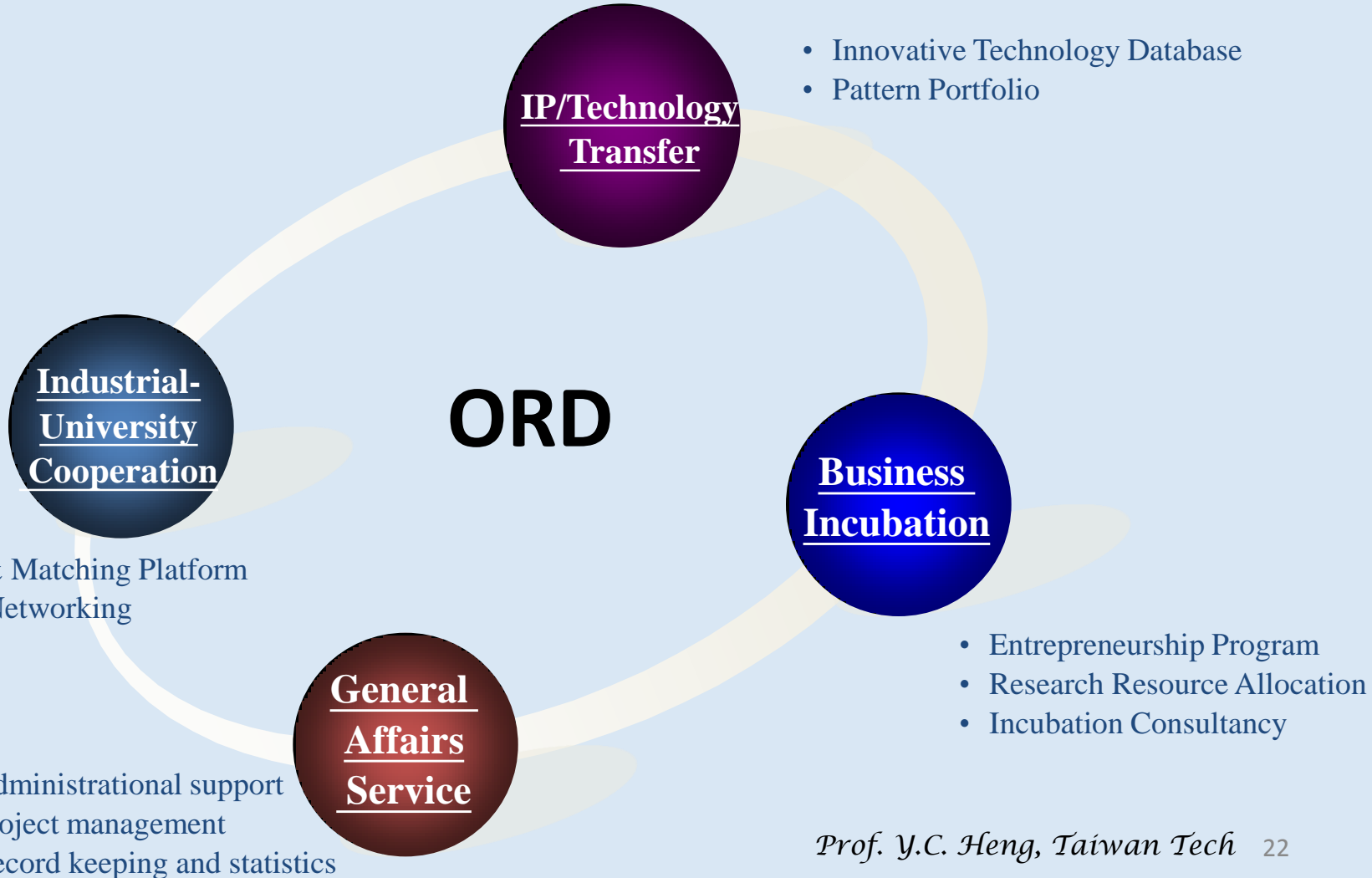
Dare to think outside the box



Innovative Business Competition

Demo/Pitch Day





Interaction between Industry and Academic

Enterprise
Ventures and SMEs
Established industries



Professors
Experts
Students



Industrial-University Cooperation

Industrial-University
collaboration center plays
searching and matching platform

Sign a contract



Entrepreneur
submit requests





Enterprise leaders and professors ensure that curriculums are designed with the needs of industry



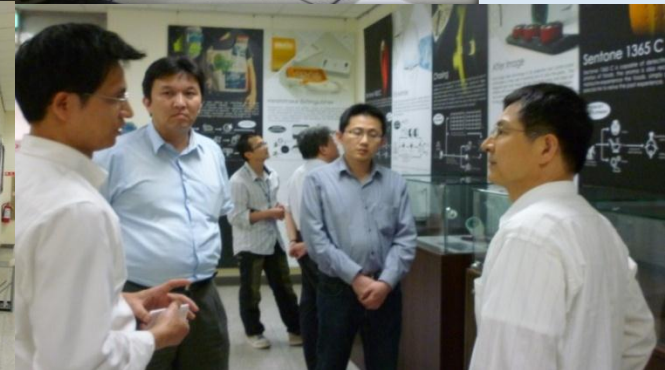
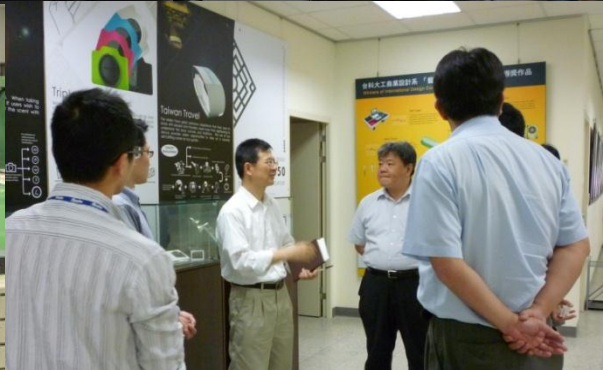
Incubation Campus



Strategize Long-term Platform with Industries

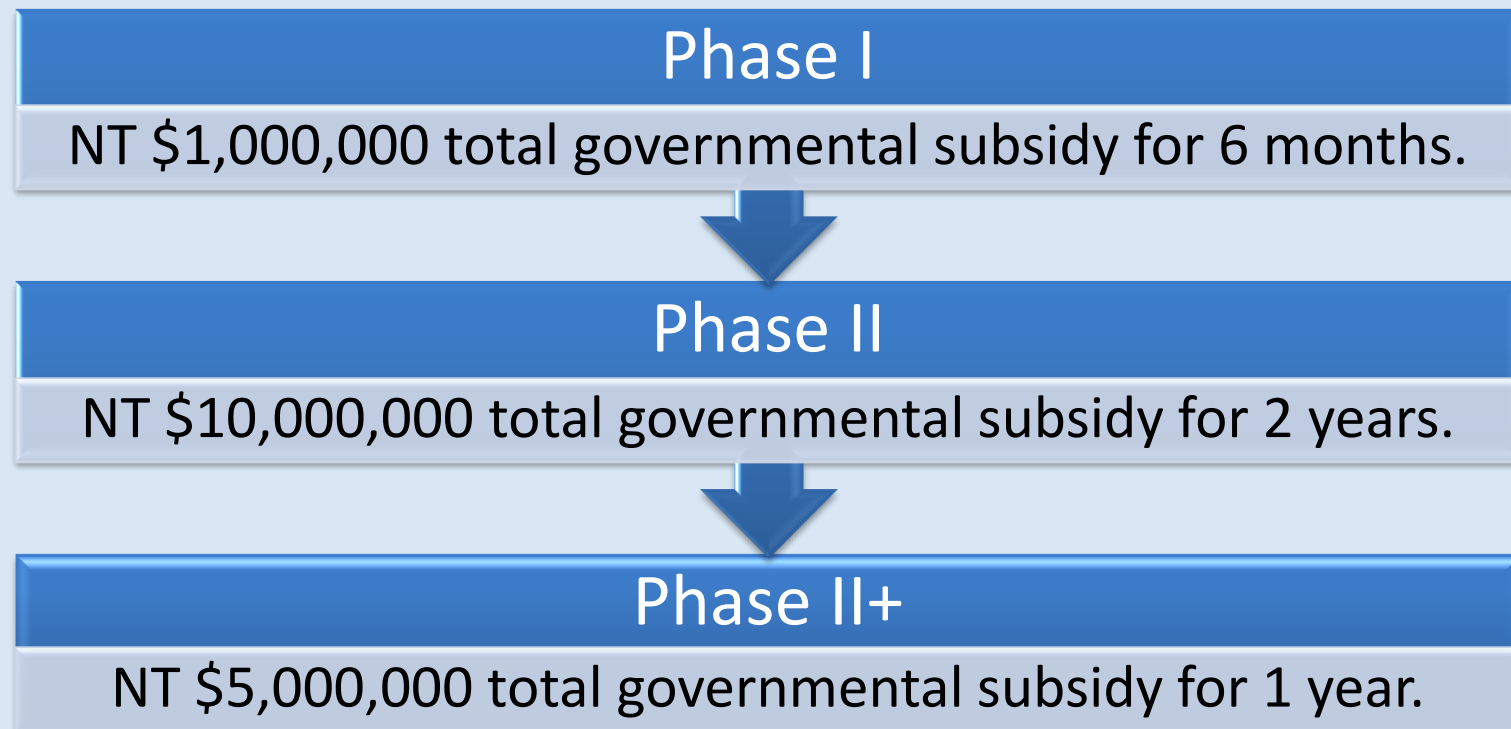


Periodic Meetings and Regular Visits



Small Business Innovation Research

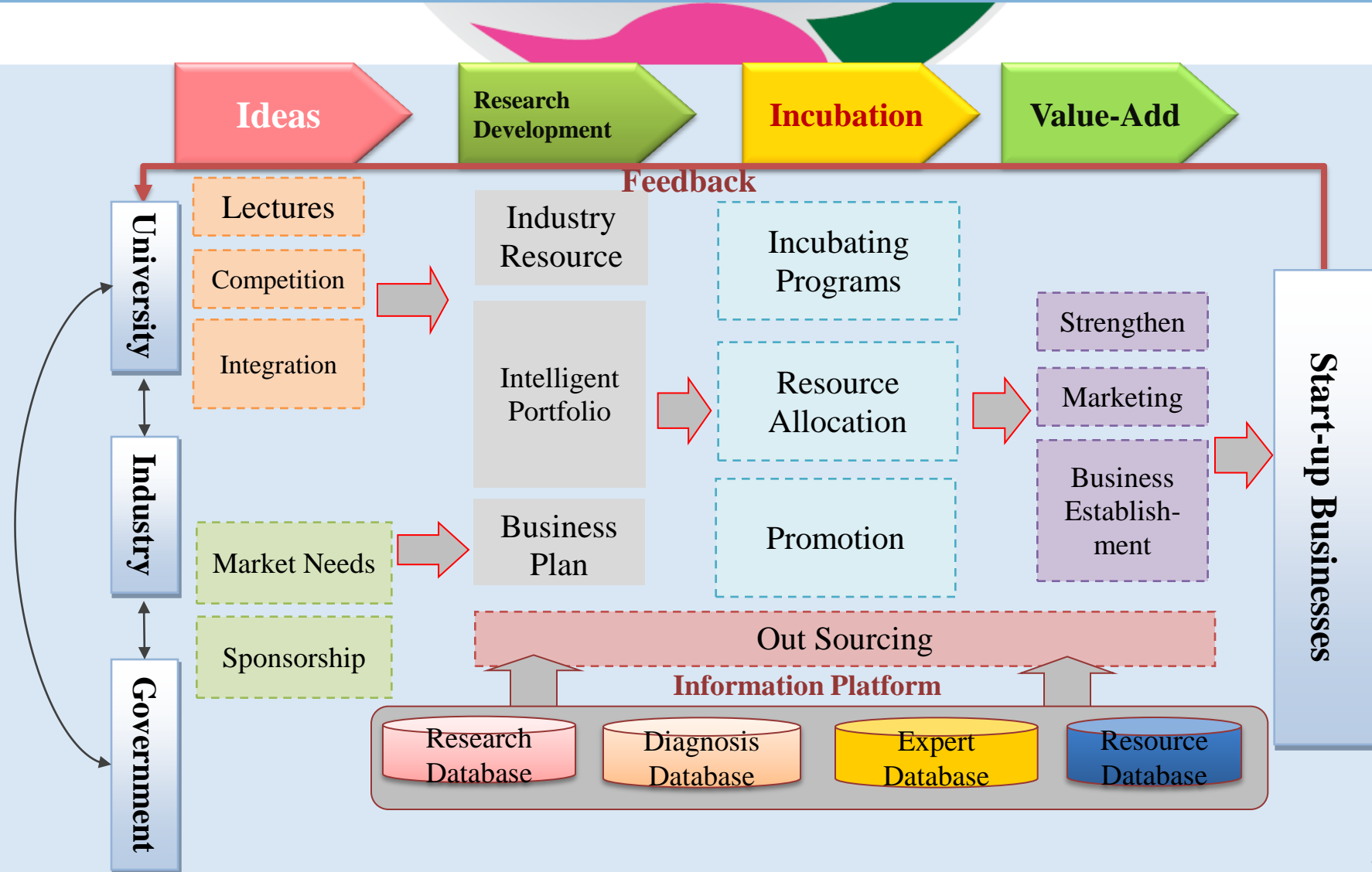
Government funding support helps reduce the costs and the level of risk that SMEs must bear when engaging in innovation or R&D



- Encourage applied research
- Extend R&D knowledge and achievements to the industry

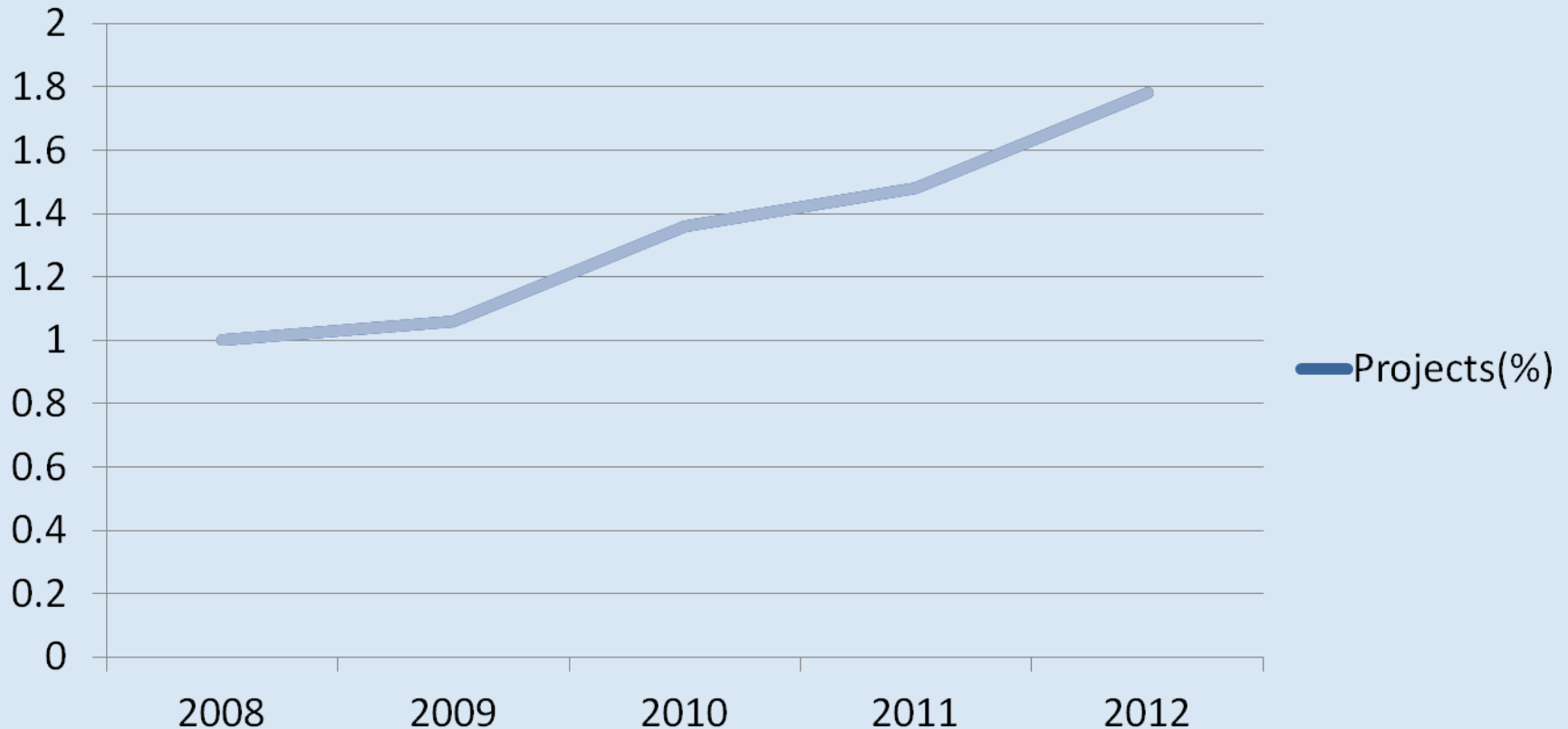


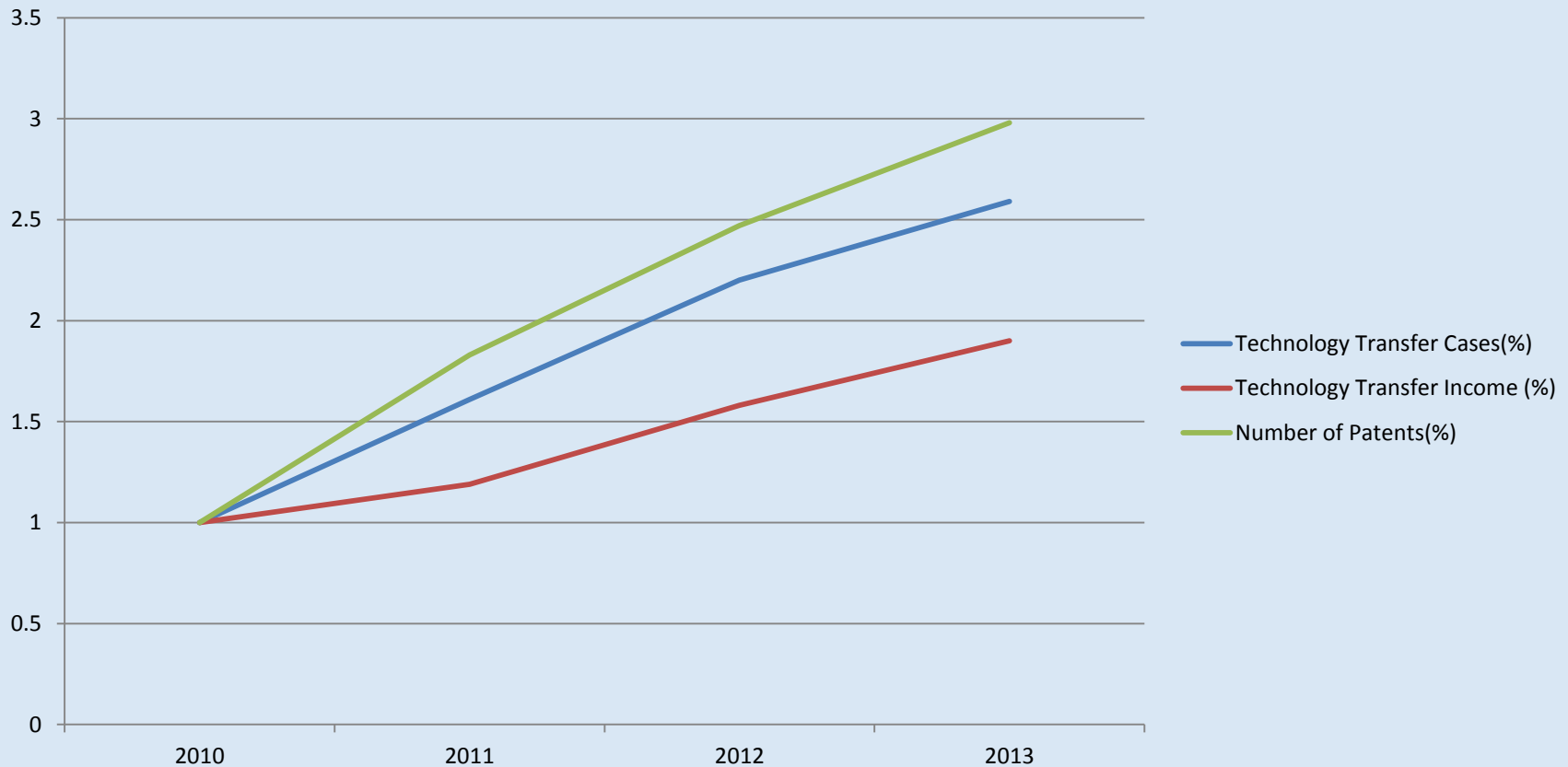
Triple Helix Collaboration Mechanism



Growth of Cooperation Projects

Growth of Industrial-University Cooperation Projects





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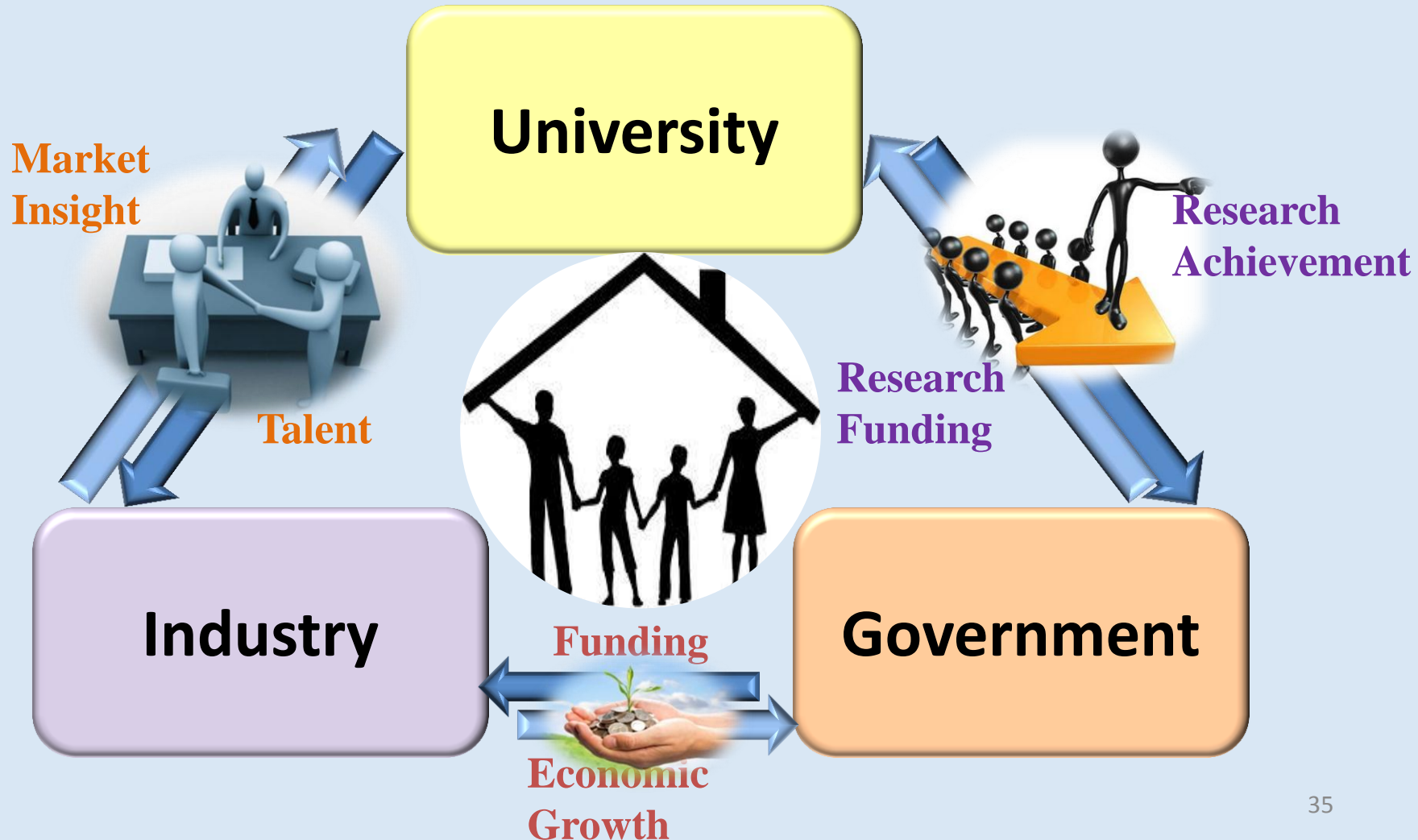
Solution

✓ 4

Vision



The Role of the Connector



Children are well-developed and have a bright future



Thanks for listening