



Data Economy & Open Data in Taiwan

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Sep 7, 2016



INDUSTRIAL DEVELOPMENT BUREAU,
MINISTRY OF ECONOMIC AFFAIRS
經濟部工業局

The Global Open Data Movement

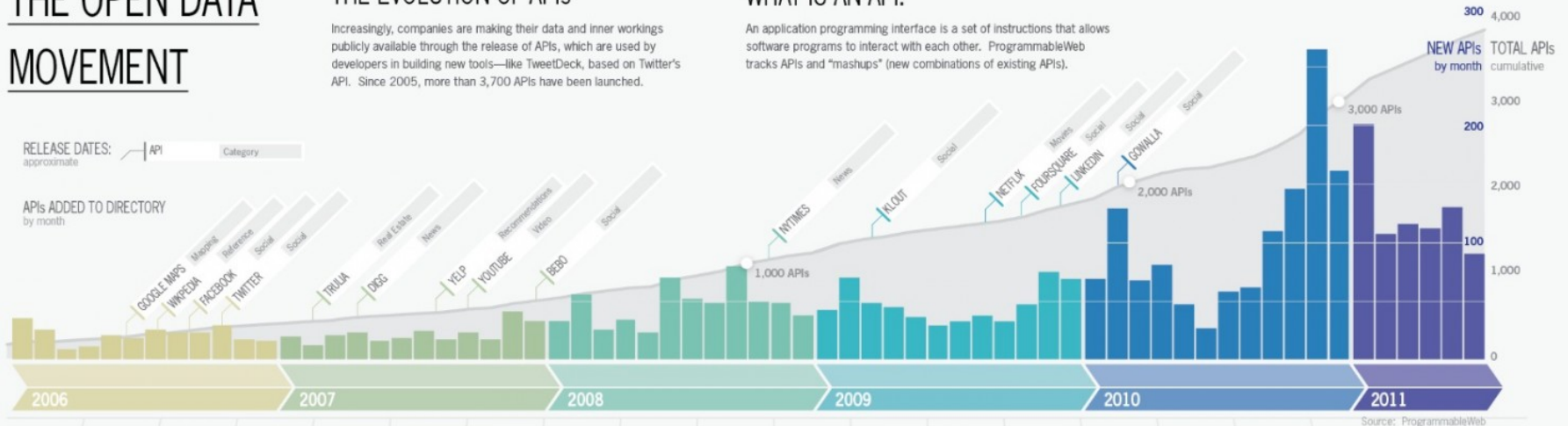
THE OPEN DATA MOVEMENT

THE EVOLUTION OF APIs

Increasingly, companies are making their data and inner workings publicly available through the release of APIs, which are used by developers in building new tools—like TweetDeck, based on Twitter's API. Since 2005, more than 3,700 APIs have been launched.

WHAT IS AN API?

An application programming interface is a set of instructions that allows software programs to interact with each other. ProgrammableWeb tracks APIs and "mashups" (new combinations of existing APIs).



PUBLIC DATA AROUND THE WORLD

From education to energy, health to poverty, and finance to demographics, governments and NGOs are opening up their data troves so that anyone can look for patterns and create informed solutions to global challenges.

Fingal County led the way in opening its data, which were used at the country's first open data challenge in July 2011. Dublin City will open in September 2011.

Ireland

Norway

UK

Data.gov.uk contains more than 7,200 datasets from seven governmental publishers, including 989 from the Department of Health and 784 from the Department for Communities and Local Government.

USA

Launched by Vivek Kundra, the first Chief Information Officer of the United States, Data.gov offers 389,730 datasets.

Mexico

Open Government Partnership

Launched in July 2011, the OGP secures commitments by governments to promote transparency, increase civic participation, fight corruption and use technology to be more effective and accountable.

India

Data.gov.in launched in July 2011, modeled after the U.S. and UK sites, but with many datasets restricted to agency access only.

Philippines

Indonesia

Kenya

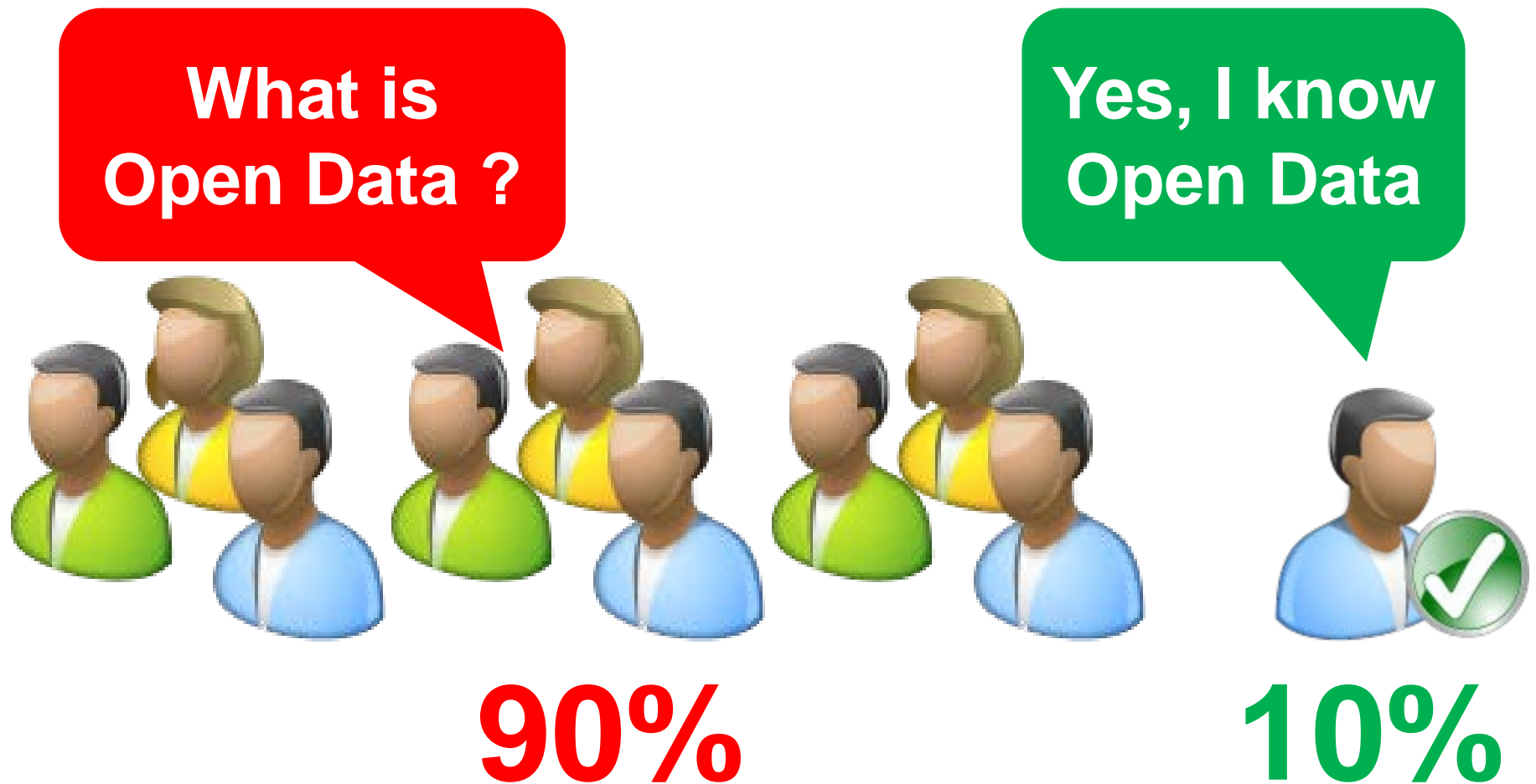
South Africa

Brazil

OGP COMMITTEE MEMBER
GOVERNMENT DATA RELEASE

Taiwan Before Open Data – Public Awareness

Back to Sep, 2012



Taiwan Before Open Data – Readiness of Government

~~Dataset~~

~~Format~~

~~License~~

~~Owner~~

~~Quality~~

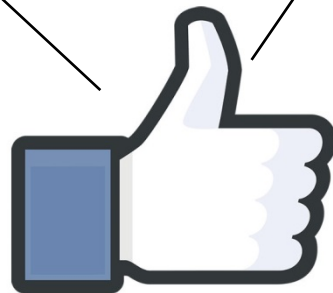
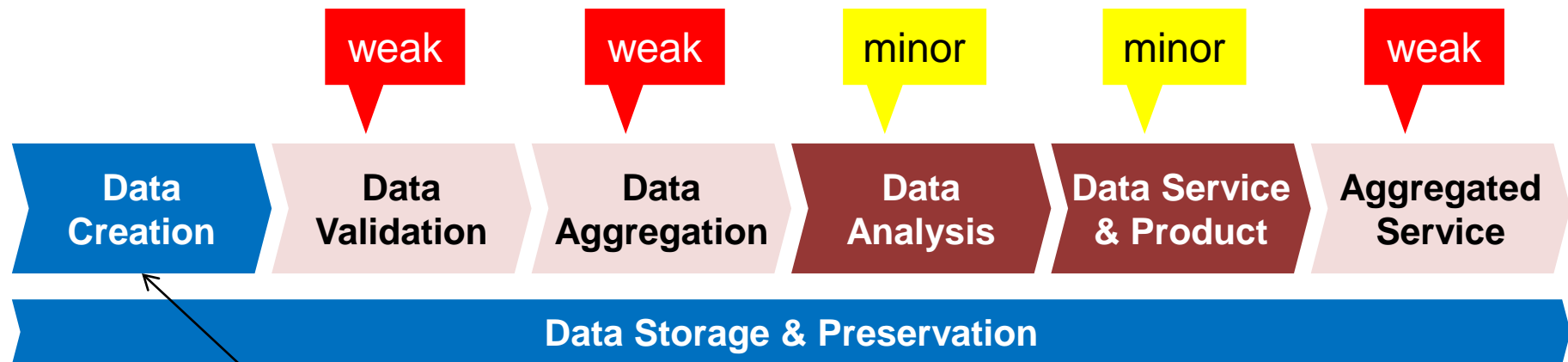
~~Feedback Mechanism~~

Government Data



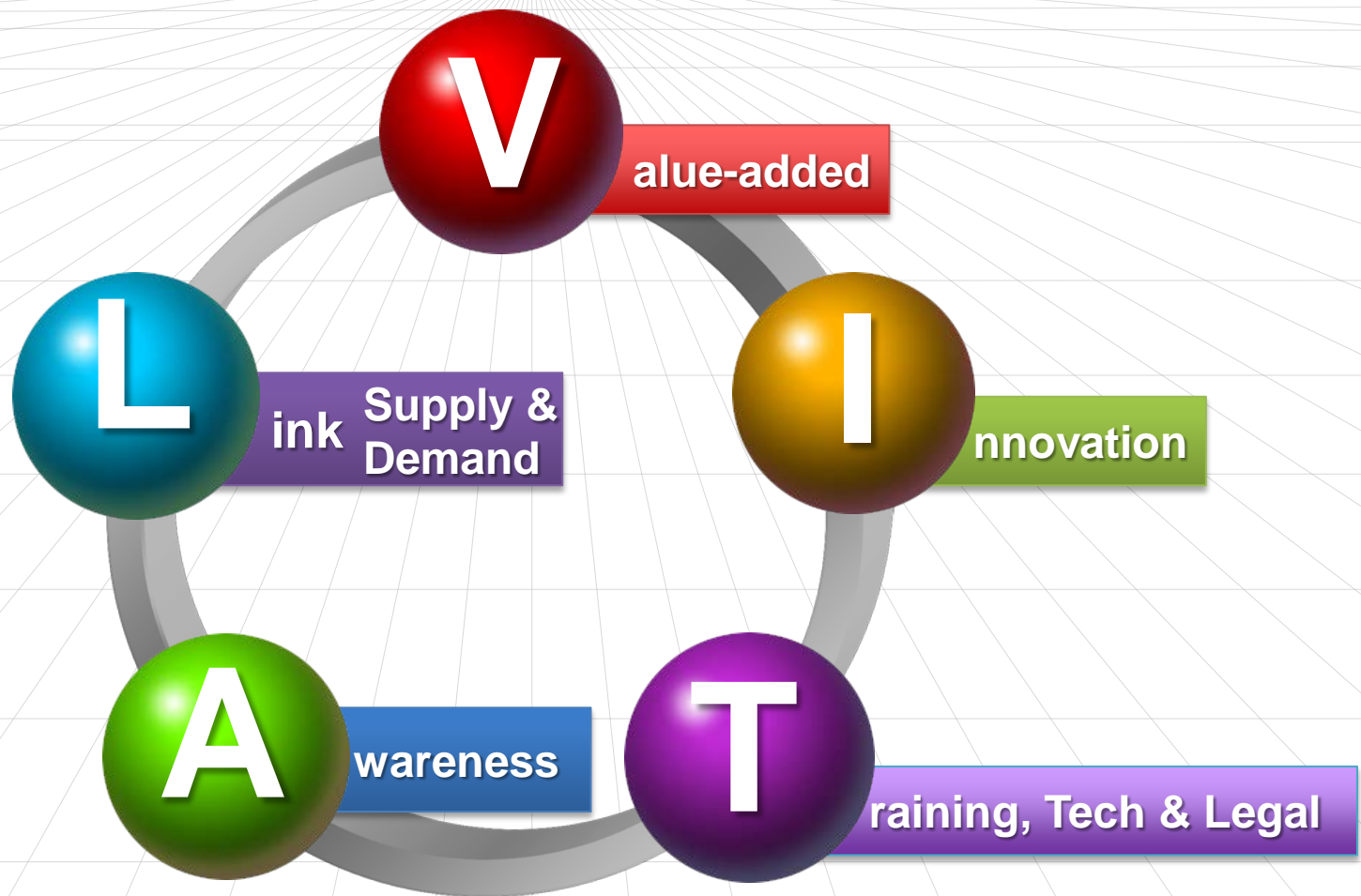
The famous scholar Kuangheng during the Han Dynasty circa 50 B.C. takes advantage of light entering through a crack in the wall.

Taiwan Before Open Data – Readiness of Industries



We have a good start

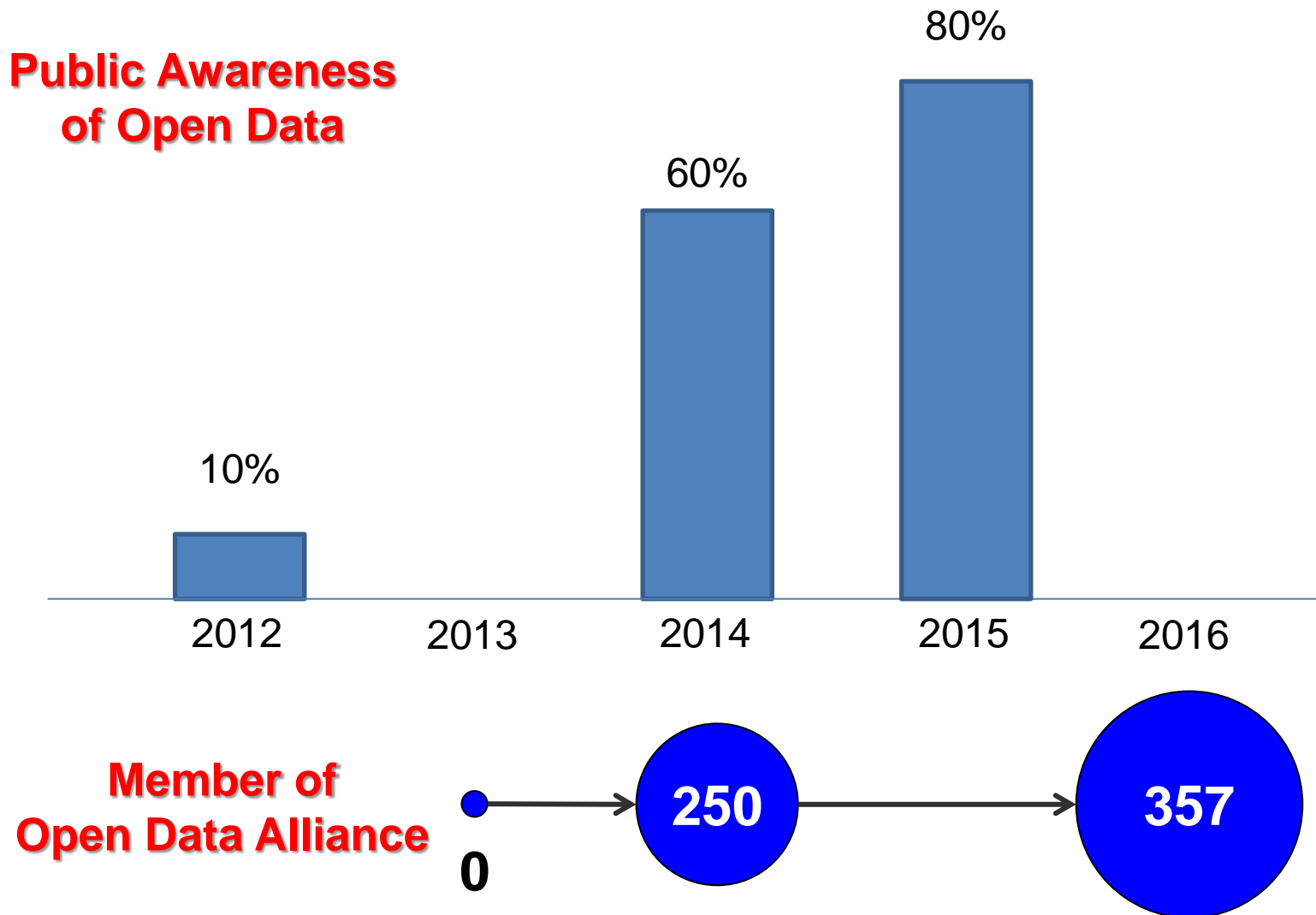
Promotion Strategies – VITAL



Measures to Raise Awareness



The Awareness Raised Up

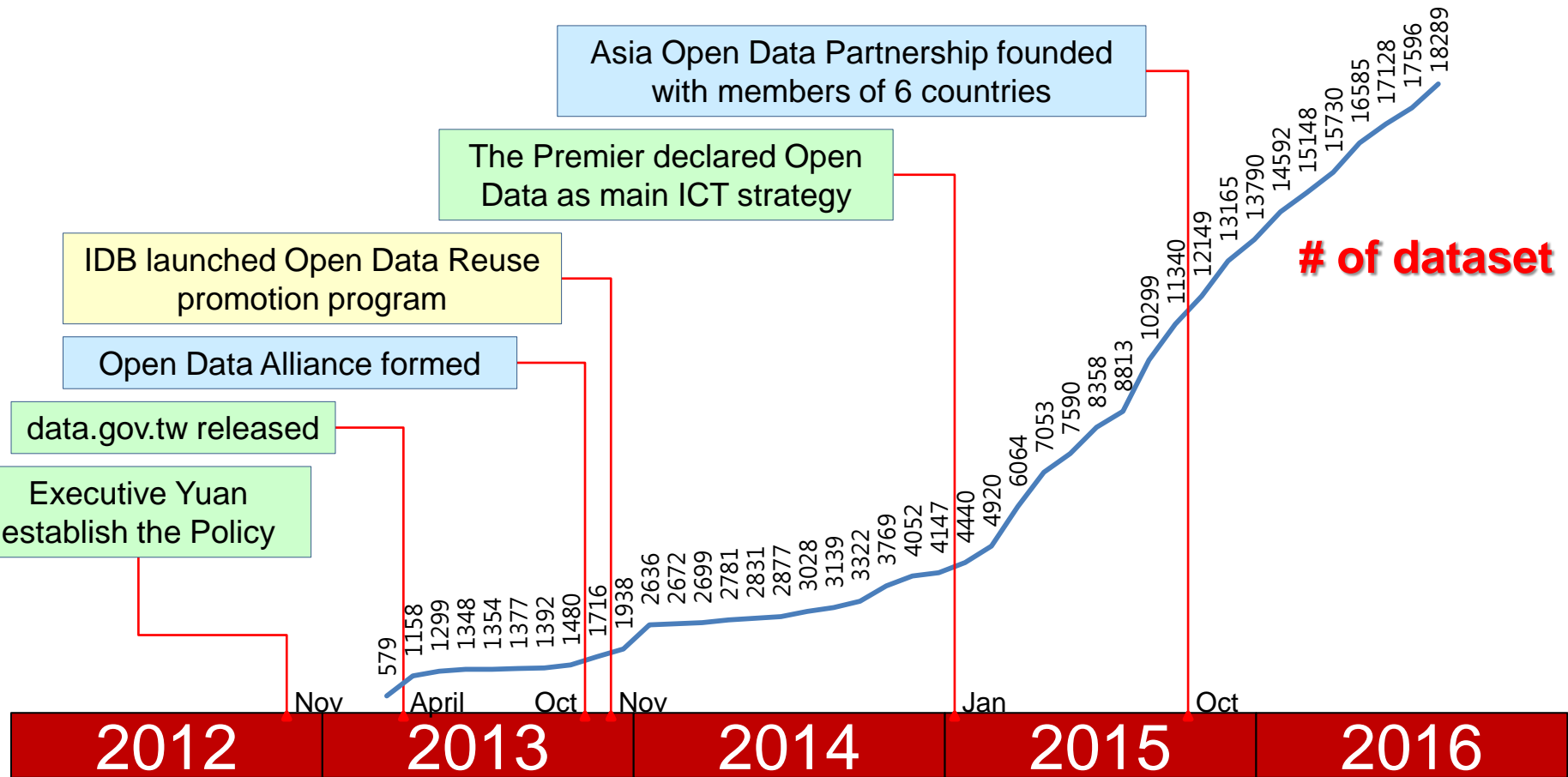


Measures to establish good development Environment

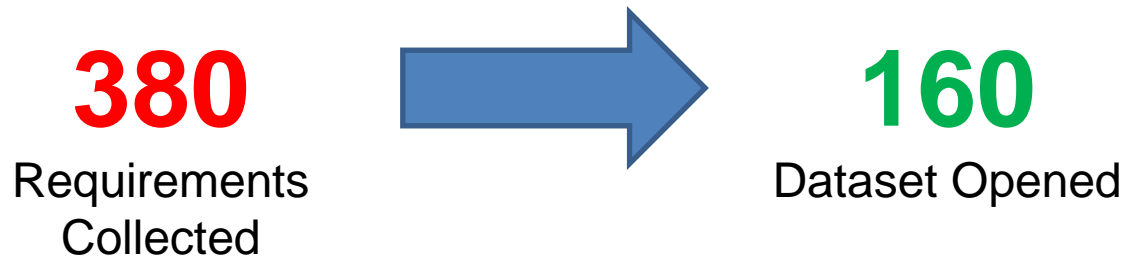
- Build government open data portal
- Licensing policy is compatible with CC 4.0
- Oversee quantity and quality issues in ministerial level
- Erase identification for personal data protection



Datasets Accumulated



Precisely Match the Demand with Supply

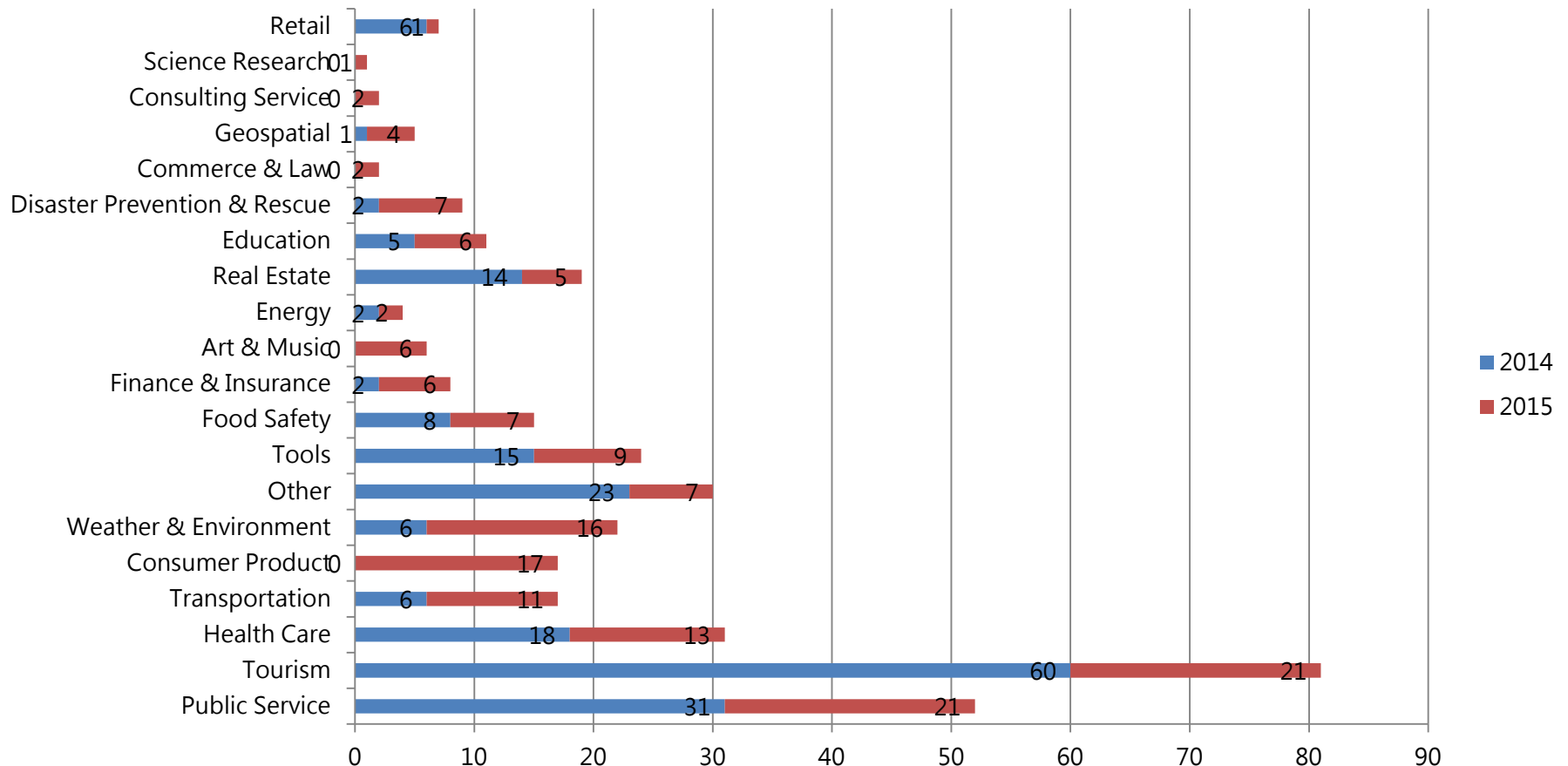


- ☒ Environmental Data
- ☒ Business Site Survey
- ☒ Health & Medicine
- ☒ e-Commerce
- ☒ Food Safety
- ☒ Education

- ☒ Finance
- ☒ Transportation
- ☒ Disaster Prevention
- ☒ Logistics & Custom
- ☒ Highway (ETC Tag)
- ☐ ● ● ● (way to go)

Stimulate Innovative Ideas

718 ideas proposed, **363** projects done



Assist in R & D Programs

38 R&D Programs

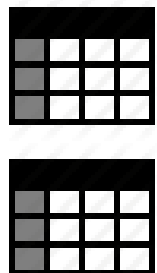
377
datasets

from

27 agencies
6 local gov.

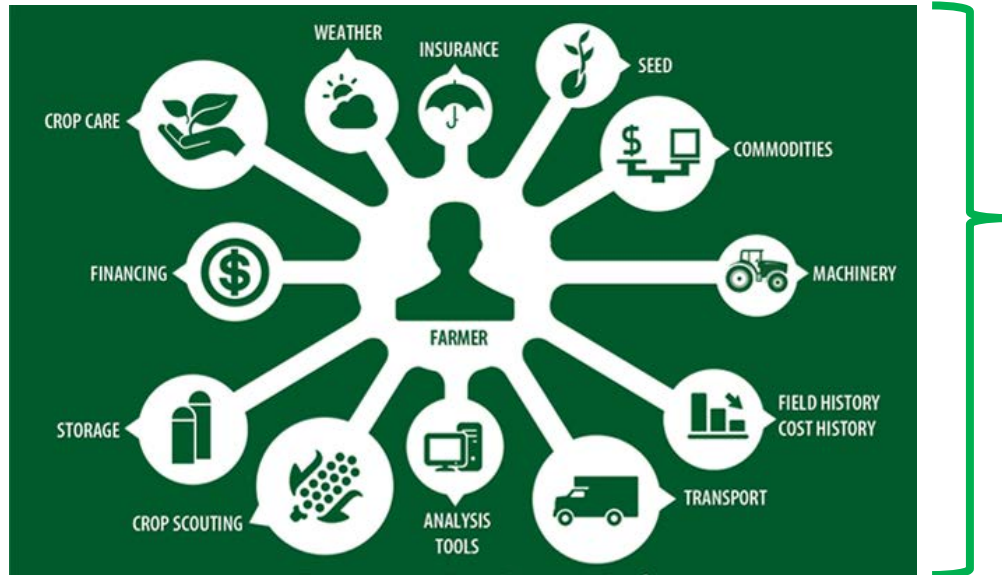
in

19
Domains



Site Survey, Real Estate
Disaster Prevention, Logistics,
Financial, Agriculture
IT Tools, Health Care & Medicine

Case 1: Precision Farming









traffic
weather
soil
water

- **A Farmer Enterprise**
- **80,000+ Farmers**
- **Productivity +19%**

Case 2: Transportation Optimization

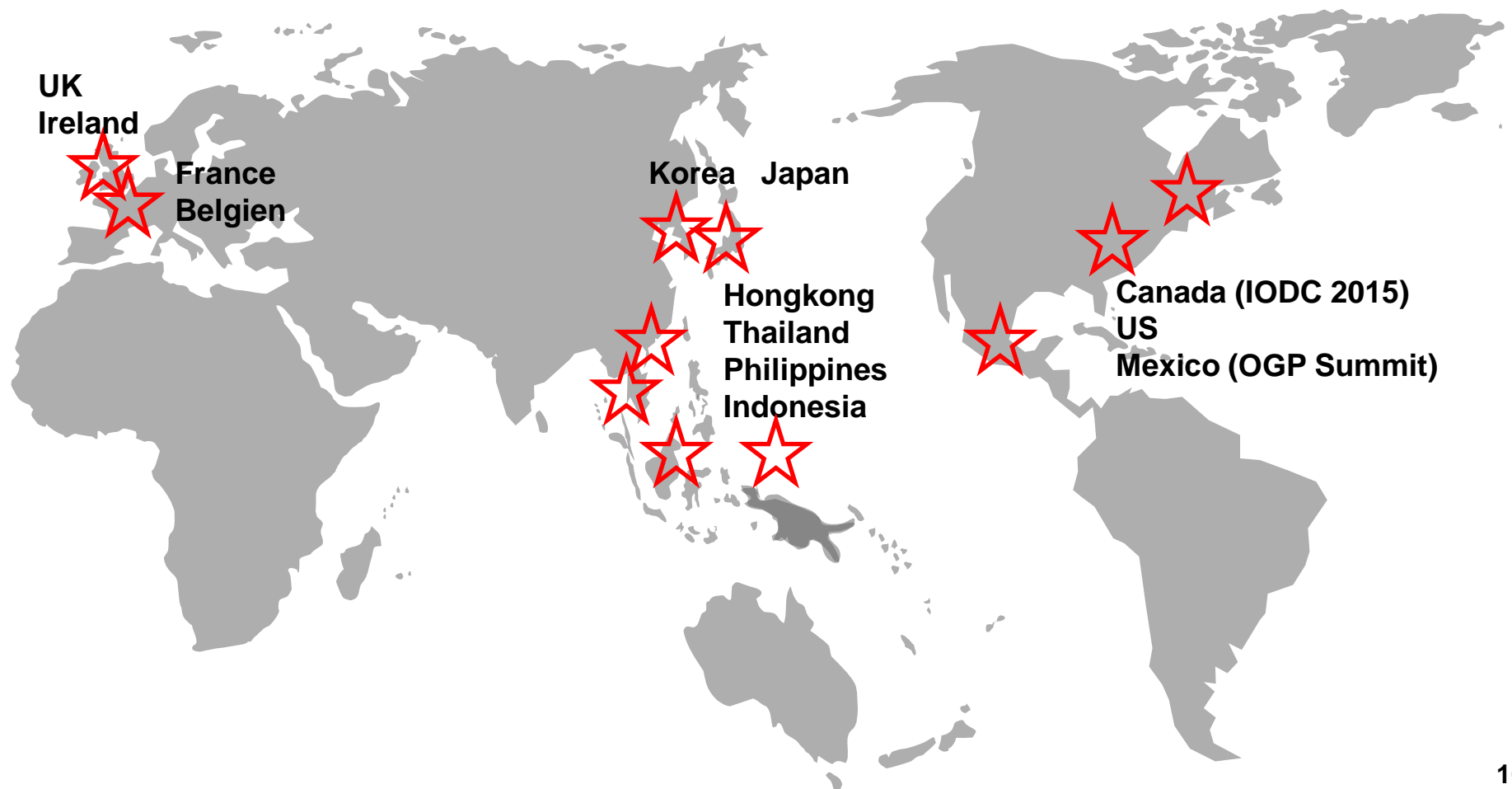
➤ Transportation, Logistics and Tourism

	1 app	1 app	3 app	6 app
	• Public Transport Data Aggregation	• Global Logistics Optimize	• Real Time Traffic Info • Traffic Prediction • Traffic Control • Navigation	• Travel Planner & Services • Theme Park Management
				
				
				
				

- 2 month time saved while developing Transport app
- 172 Logistic Companies & 150,000 Users delivers their goods faster & cheaper
- 2 hours (E) saved for commute & parking

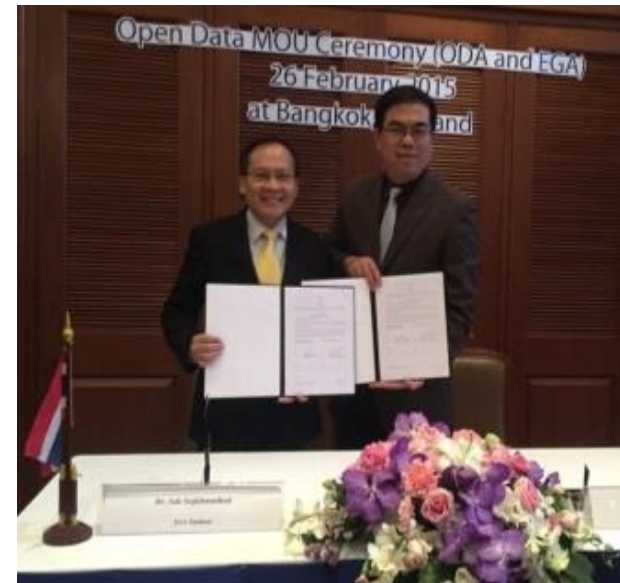
➤ **Opinion Exchange**

➤ **Joint Promotion**



➤ International Cooperation

- MOU with ODI (UK)
- MOU with EGA (Thailand)
- MOU with Korea Open Data Center



Reach Out to International Communities

- **Solving problems together**
 - **Taiwan/Hongkong Hackathon**

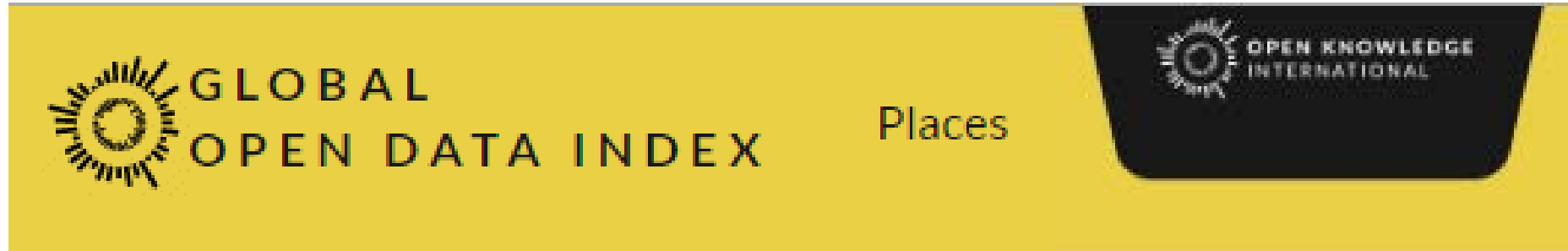


- **Asia Hackathon (Taiwan/Thailand/Indonesia)**



**Join Us
Next Year !**

Global Ranking by the OKFN



Rank	Place	National Statistics	Government Budget	Legislation	Procurement tenders	Election Results	National Map	
1	Taiwan							
2	United Kingdom							
3	Denmark							

**Thank you for
your attention**