Asia-Pacific Regional Forum on e-Government, Smart Cities, and Digital Societies for Sustainable Development, August, 2015, Bangkok, Thailand

UNPOG
UNITED NATIONS PROJECT
OFFICE ON GOVERNANCE

WeGO
World e-Governments Organization of
Cities and Local Governments

Australian Government
Department of Communications

Internet
Society

THE WORLD BANK

ITU

Open Data Strategy
of the Korean Government

MINISTRY OF
GOVERNMENT ADMINISTRATION
AND HOME AFFAIRS

GPS

(Global Positioning System) originally developed for military use

Open to private sector

1998 : US President Clinton authorizes private sector use of GPS, opening up GPS data

→ **private sector usage in car navigation, flight operation control, leisure, etc**

Global GPS Industry: **$30b**('13)

issue

response

- 'high school student develops Bus App in 2009 and provides it free to iPhone users
- App reaches no 1 in Korea Appstore but service suspended (local govt raised objection citing Location Information and Copyright laws), Citizens protested and the service resumed in 2 days)

Objective

- Make clear the citizens' right to use public data and mandate public institutions to provide public data

- Create high value added new industry foundation and jobs through active private sector usage of public data

Key Points

- scope(organization) – central & local govt, public sector organizations

- scope(data) – all data except data containing personal info, copyright, etc

- provision method – machine readable

- policy planning – Open Data Master Plan(3yr cycle) & Annual Plan

- foundation – Open Data Strategy Council, Chief Open Data Officer, Open Data Center, etc

- **Open Data Strategy Council : highest level Open Data policy decision making**
- **MOGAHA : public data inventory notice, evaluate agency performance, formulate master plan, build Open Data foundation**
- **Open Data Center : support Open Data provision & usage**
- **Chief OD Officer : lead Open Data efforts at each agency**
- **ODMC : dispute resolution regarding refusal and suspension of privision of public data**

Open Data Strategy Council
Co-chaired by Prime Minister

MOGAHA
(lead ministry)

* MOGAHA : Ministry of Government
   Administration & Home Affairs
* ODMC : Open Data Mediation Committee

Chief Open Data Officer
(central & local public institutions)

ODMC
(dispute resolution)

Open Data Center
(NIA)
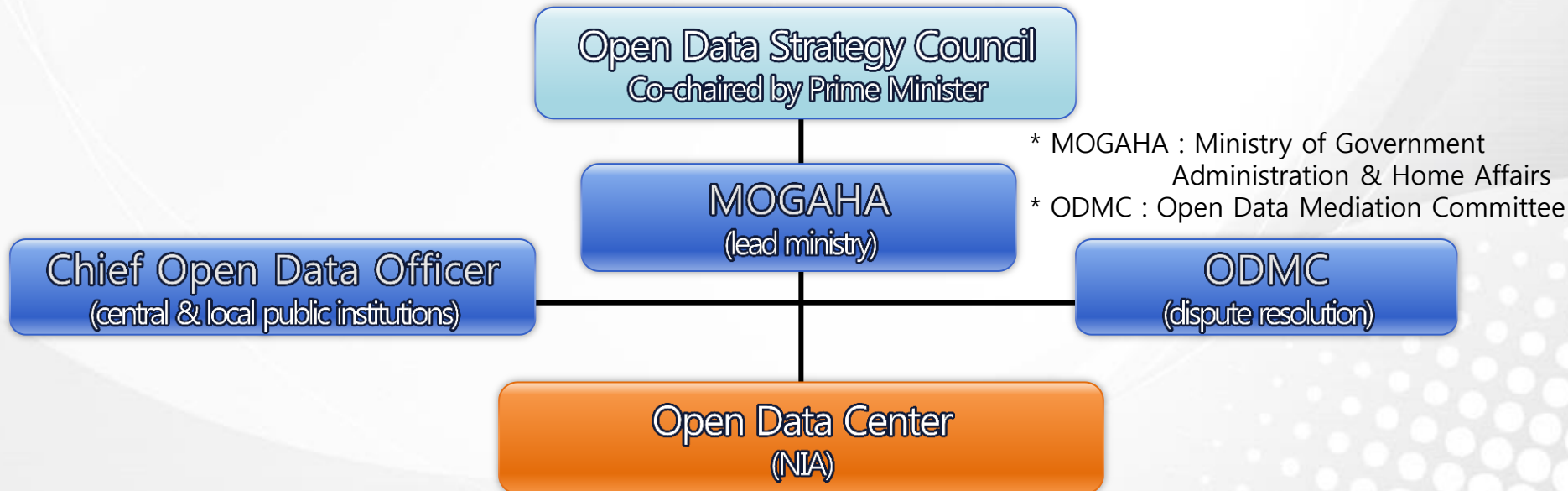
+14,287

Rapid increase in provision of data(‘15.7)

248 **solving user difficulties**

(‘15.7)

Problem Solving Coordinators(15 cases concluded),

Dispute resolution(21 cases of formal resolution,

212 cases of advanced mediation or advisement)

data usage :14K(2013), 510K(2015.7)

36x

applications development : 42(‘13), 570(‘15.7)

13x

Usage in variety of areas

Comparing ingredients in cosmetics

DB : cometic ingredient data
(grand winner of OD startup
competition in 2013)

식품의약품안전처
MINISTRY OF FOOD AND DRUG SAFETY

Nearby parking info

서울특별시

모두의주차장

DB : parking lot location, price
(winner of mobile app innovation in 2013)

health

life

areas

industry

medicine

DB : parcel data of Korea-Post & private
sector parcel delivery companies
(no 1 app in parcel area in Korea)

DB : 58K hostpial location
(no 1 app in medicine area.
35K users daily)

MediLatte

미래창조과학부

H
R
I
A
건강보험심사평가원
Health Insurance Review & Assessment Service

Parcel tracking

Customized hospital info

New development strategy needed

open

Lack of high demand data

quality

Lack of high quality data

market

Government data services stifling market development

foundation

Low accessibility to data

Objectives

Top Class Open Data country by 2017

	2015	2017
High volume DB open	10	36
Open format data	29.5%	50%
Open data standards	30	100
New data services	395	700

Programs

Priority release of High value/demand data

Strengthen open data Quality assurance

Create public-private cooperative data Ecosystem

Expand open data foundation & diffusion to Provinces

3 Key Open Data Strategies for opening up and active usage of public data

Data big bang : provide high volume data that citizens want

Service innovation : restructure government apps which inhibit private sector business

Startup Collabo : total support from idea to business development

Citizens drive identification to release process

- Operate 『Let Data be Open Group 』 composed of prospective startups, app developers
- Review 158 DBs of central·local govt ('14.10~)

Release of high value·demand data in 36 areas

- Release high impact data in 10 areas in 2015: e.g. real estate, business district, health data
  ※ expand in stages : 10(2015) -> 24(by 2016) -> 36(by 2017)

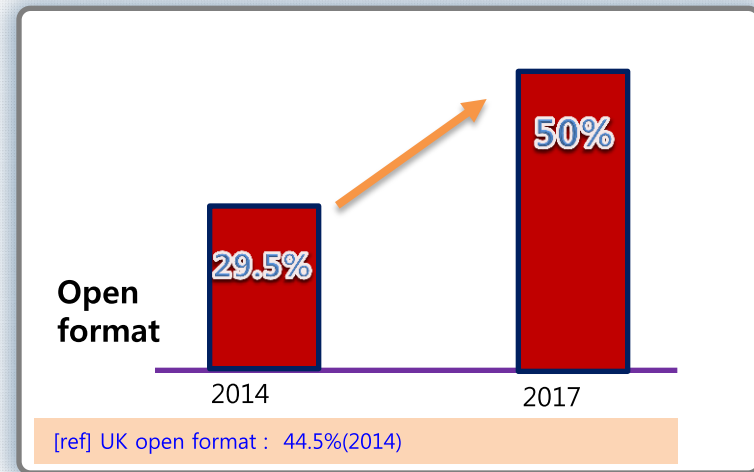| building	Business district	Health insurance	permits
Data open : **280m**	Data open : **2.7m**	Data open : **160b**	Data open : **1.1b**
Econ effect : **$1b**	Cost saving : **$230m**	Econ effect : **$37.9**	Econ effect : **$164m**

Strengthen open data Quality

- **Create Open data standards for high demand data**

  ※ 10 incl. parking lot, park (2014) → 30 incl. CCTV (2015) → 100 (by 2017)

- **Increase 29.5% of open format data to 50% by 2017**

- **Raise data quality level comparable to private sector**(error rate, etc)

  ※ Establish data clearing center and quality certification scheme(2015~)

Parking lot dataset

Seoul

Gyeonggi

Busan

National std parking lot

<expand data standards>

50%

29.5%

Open format

2014

2017

[ref] UK open format : 44.5%(2014)
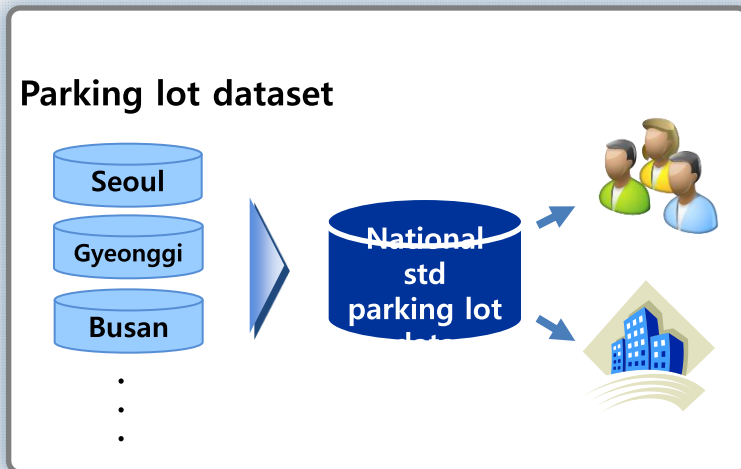
Move away from 'govt direct delivery' Transition to private sector led service delivery

✓ **Restructure govt data services with low usage and private sector alternatives**

(criteria) downloads under 1000, visitors under 5000, existence of private sector alternatives

(plan) eliminate.integrate public sector websites : 4,182(32%) by 2017.
  eliminate 429(35%) public sector apps with private sector alternatives :
  weather, patent, geo-data

✓ **Restrict app development to those with high level of public of interest (e.g. to support disadvantaged groups)**

Social welfare services stipulated in relevant laws, etc

✓ **Revision of Open Data Law(2nd half of 2015)**

Provide basis for prohibition, survey, recommendation measures regarding data services similar to private sector

Strengthen performance management of public sector apps

- Establish strict public interest criteria before development, mandate registration of apps at data.go.kr

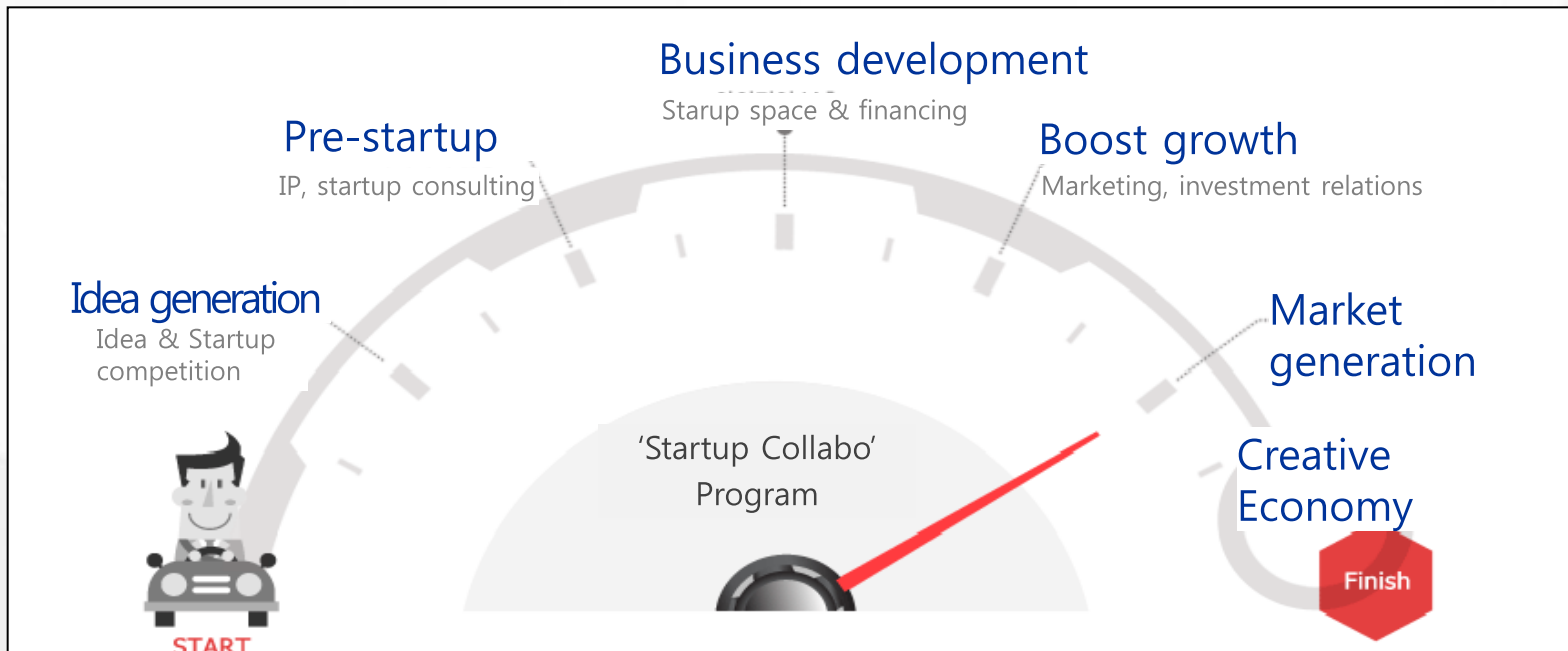- Implement sunset clause, disclose operating status (downloads, user numbers)

Support market development

- institute public sector procurement regimes such as 'govt propose, private develop

- Develop & expand collaboration model to link data release & private sector data innovation
  ※ provision of visit/theme map service through private sector portal map & navigation

Foster open data startups via inter-ministry collaboration

- Job creation via comprehensive support from idea generation to business development

- Customized startup consulting & support for patent application, financing·office-space, marketing, investment relations

※ linking with universities and IT industry to launch common work space centers similar to Google Campus, Cheku(車庫) Cafe

Business development
Starup space & financing

Pre-startup
IP, startup consulting

Boost growth
Marketing, investment relations

Idea generation
Idea & Startup competition

Market generation

'Startup Collabo' Program

Creative Economy

Finish

START

Startup, new service development vitalization

- discover & support 50 new open data startups

- Expand from 84 OD companies(2014) to 200(2015) for support
  ※ launch 'KOREA OPEN DATA 500.com' (ref : Govlab OPEN DATA 500)

- Development of 300+ new private sector App/web services
  ※ linkage with 'Manufacturing Innovation 3.0' (incl big data, IoT)', ICT
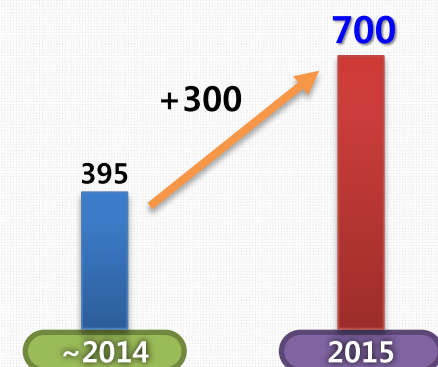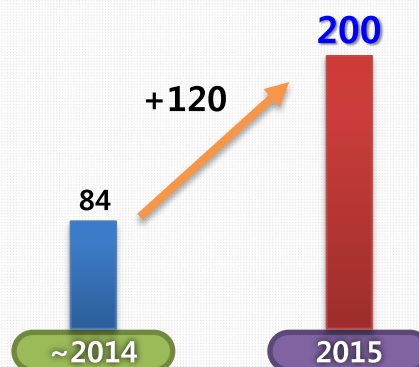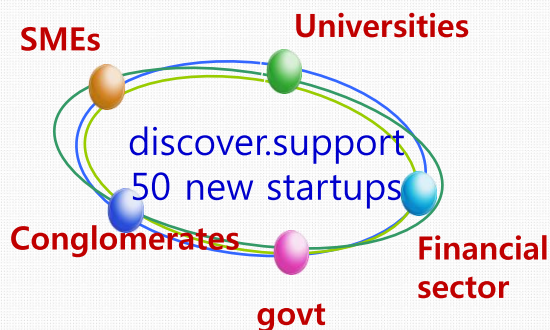   convergence industry areas

new Data startup support

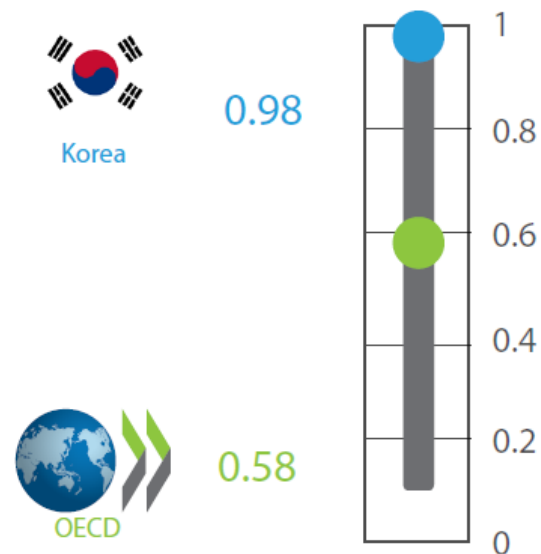expand OD companies for support

New service creation

SMEs

Universities

discover.support
50 new startups

Conglomerates

govt

Financial
sector

200

+120

84

~2014

2015

700

+300

395

~2014

2015

OURdata Index:
Open, Useful, Re-Usable
Government Data (2014)

Composite index
from 0 lowest to 1 highest

Korea — 0.98

OECD — 0.58

Source: 2014 OECD Survey on Open Government Data

Government at a Glance 2015

OECD

Figure 1.7. **OURdata Index: Open, Useful, Reusable Government data, 2014**
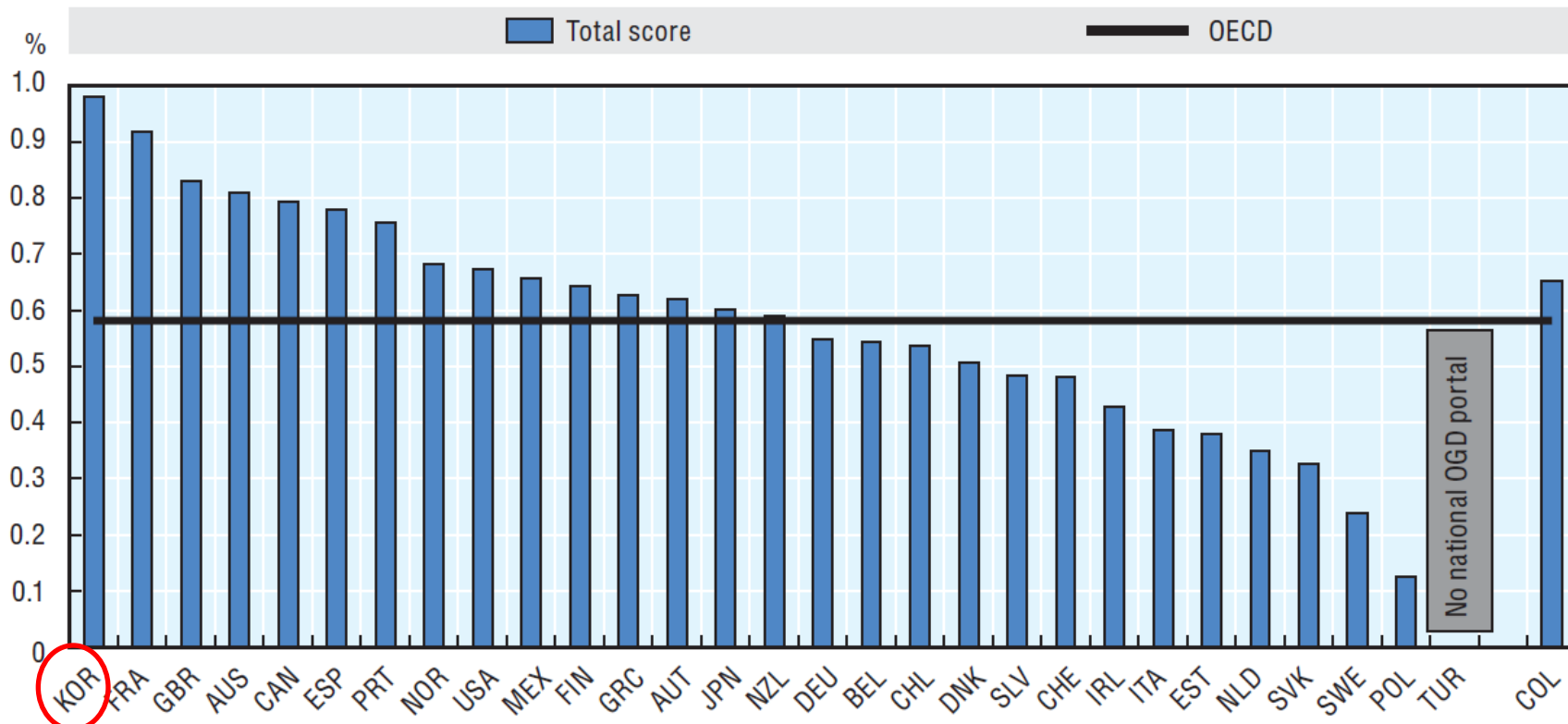
Source: 2014 OECD Survey on Open Government Data.

Creating new world through data

THANKS