

The Development and Challenges of Open Data in Taiwan

Open Culture Foundation

Open Data Consultant

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2024/03/27

OpenCulture
Foundation_

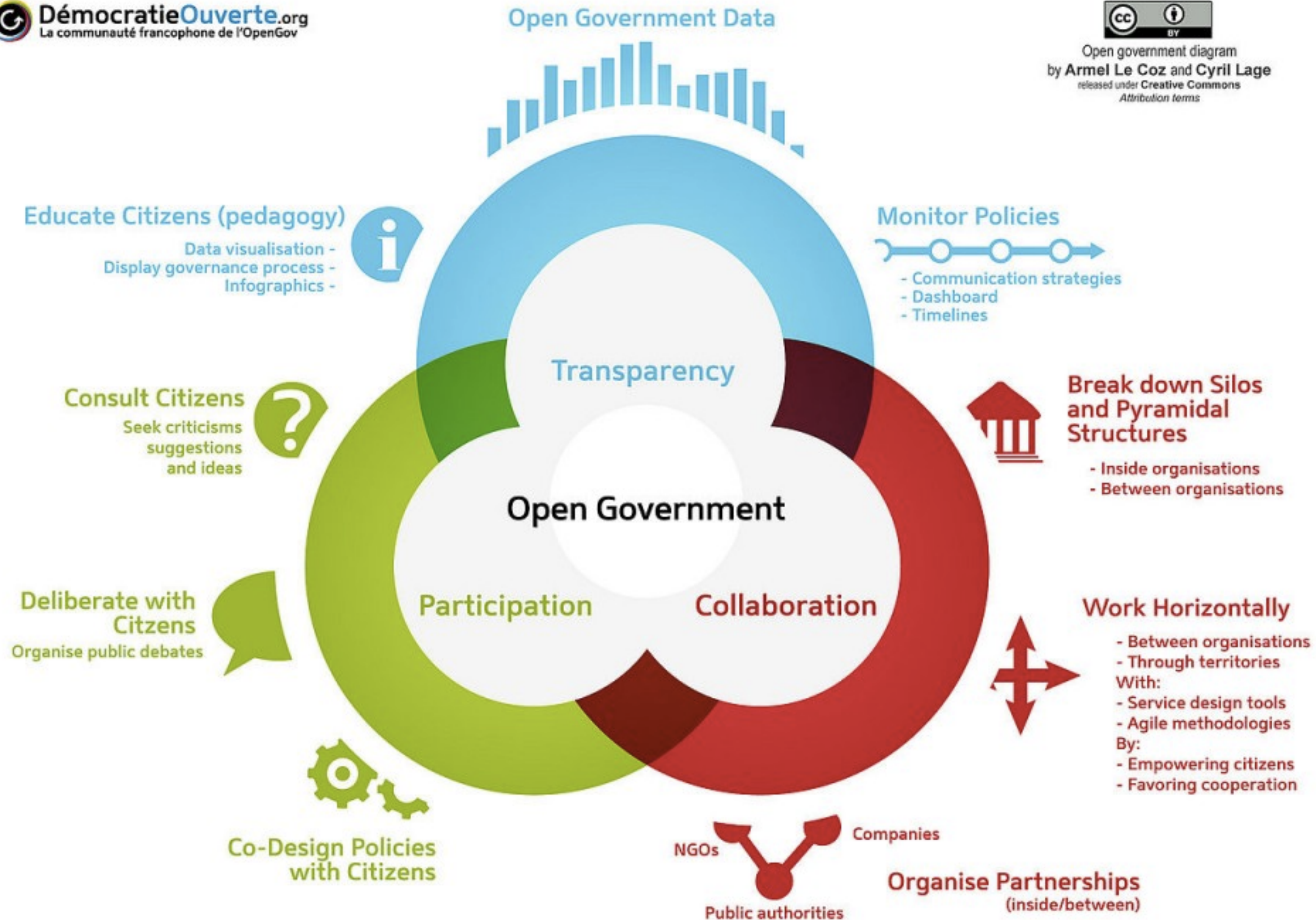
The 8 principles for Open Government Data

Tim O'Reilly assembled 30 open government advocates to develop a set of principles of open government data in Sebastopol, California on the weekend of December 7-8, 2007. They attempted to develop a more robust understanding of why open government data is essential to democracy, finally the group is offering a set of fundamental principles for open government data.

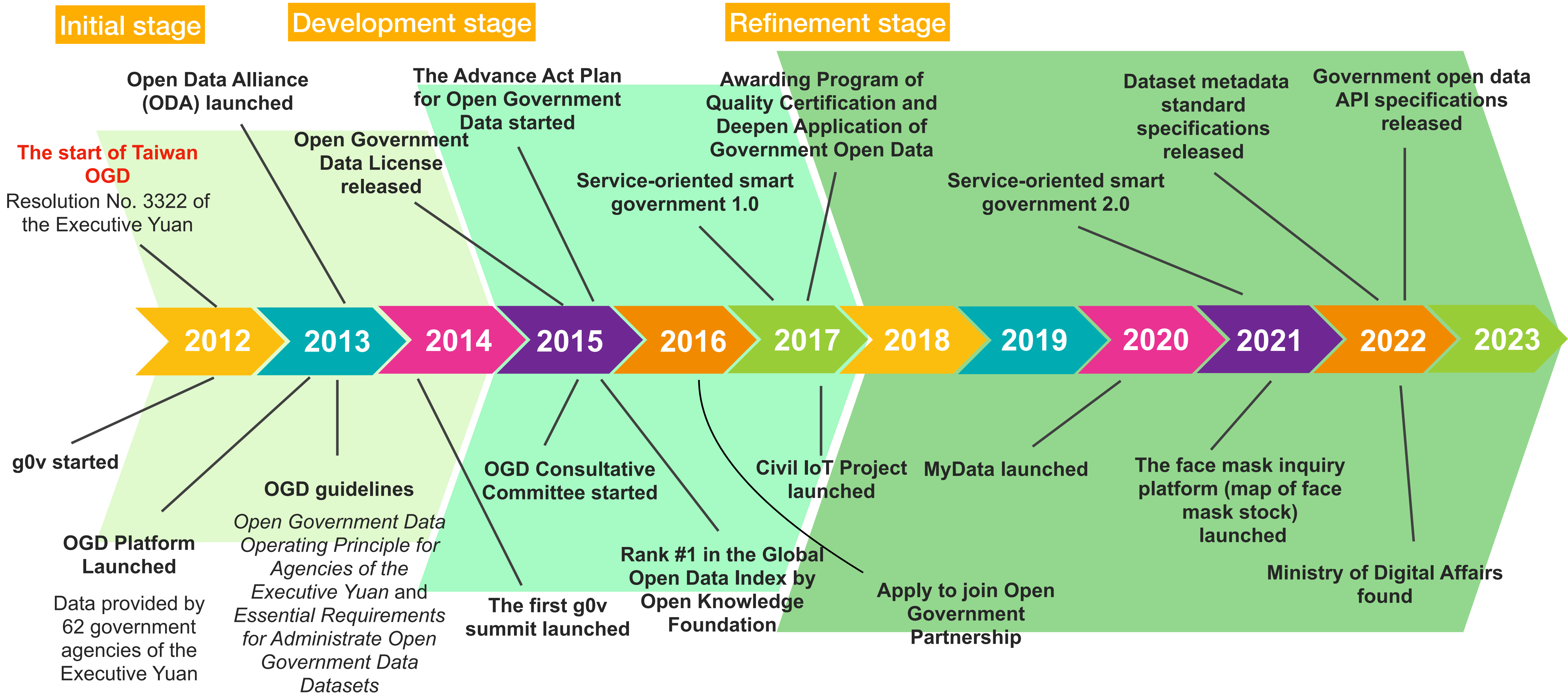
- Primary
- Complete
- Timely
- Accessible
- Machine processable
- Non-discriminatory
- Non-proprietary
- License

“My Administration is committed to creating an unprecedented level of openness in Government....” from Transparency and Open Government (2009), Memorandum for the heads of executive and agencies



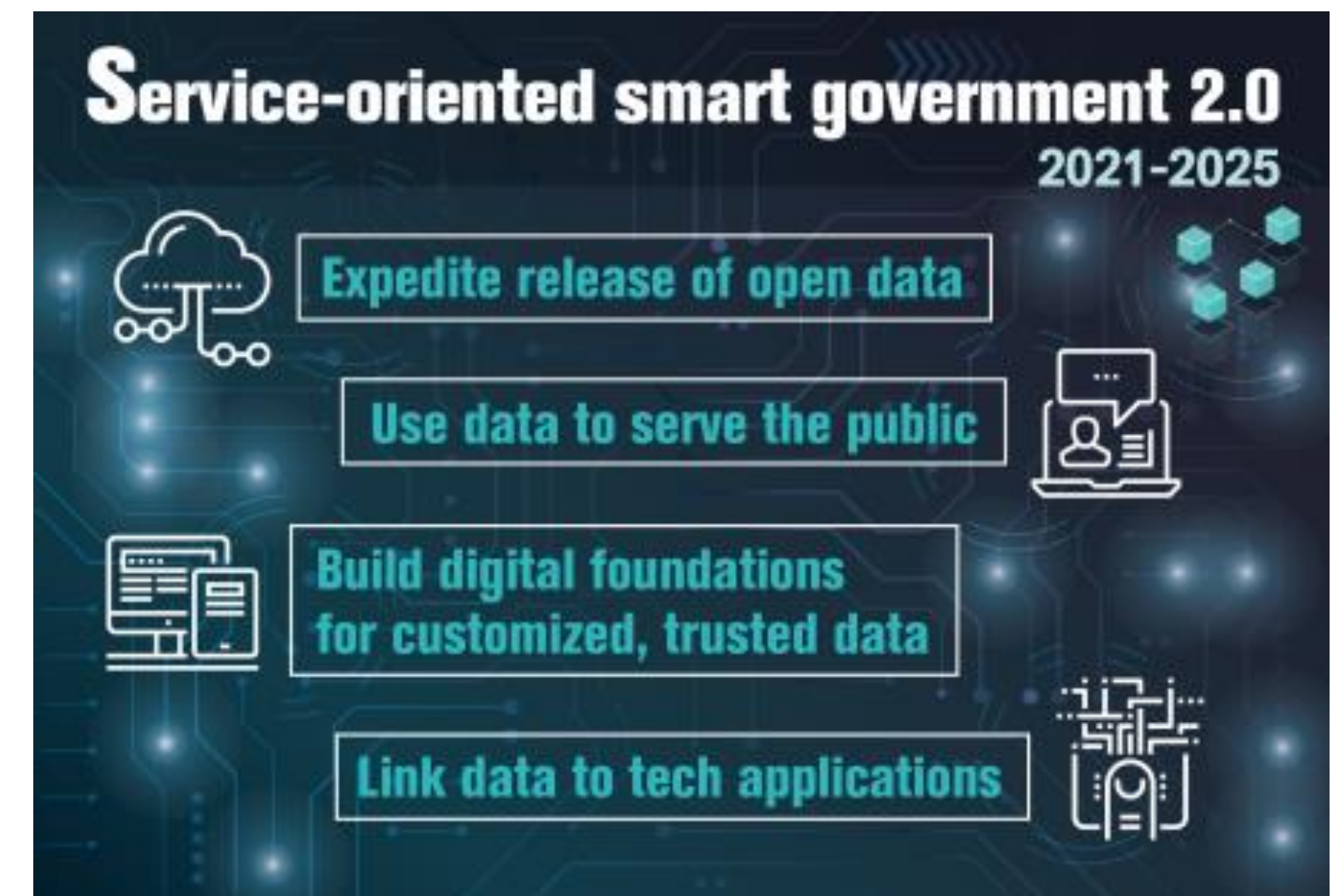


The progress of Taiwan Open Government Data (OGD)

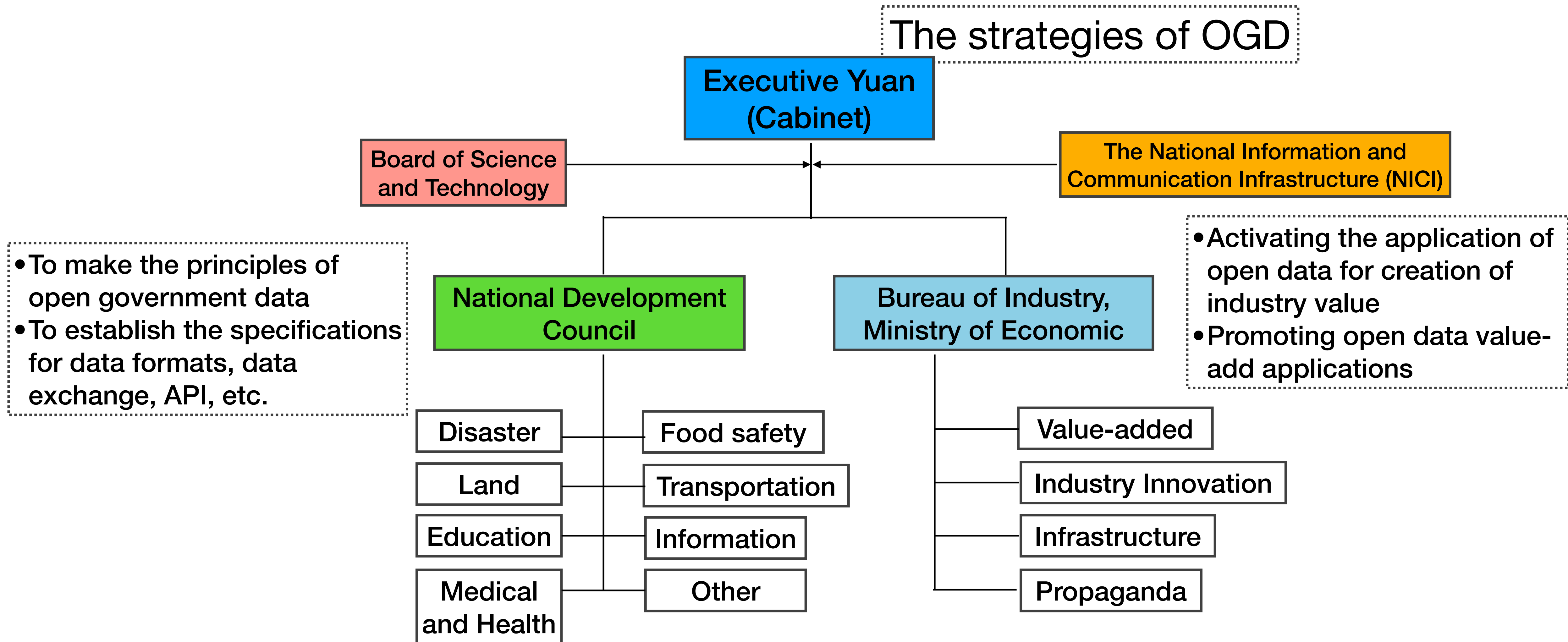


The policy of Taiwan open data

- No Open Government Data Law
- Started with the Resolution No. 3322., and establish several guidelines and principles for government employees
- The development of OGD was included in the 4-years national project 'Service-Oriented Smart Government' since Tasi government (2017)
- The policies behind the current development of information technology, e.g. generative AI, digital twins



The framework for driving Open Government Data



The framework for driving Open Government Data

Public sector

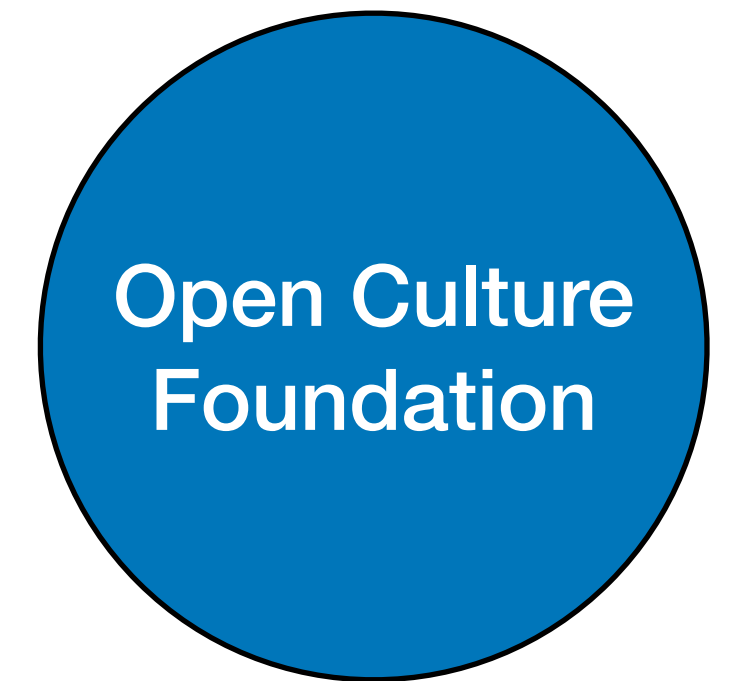
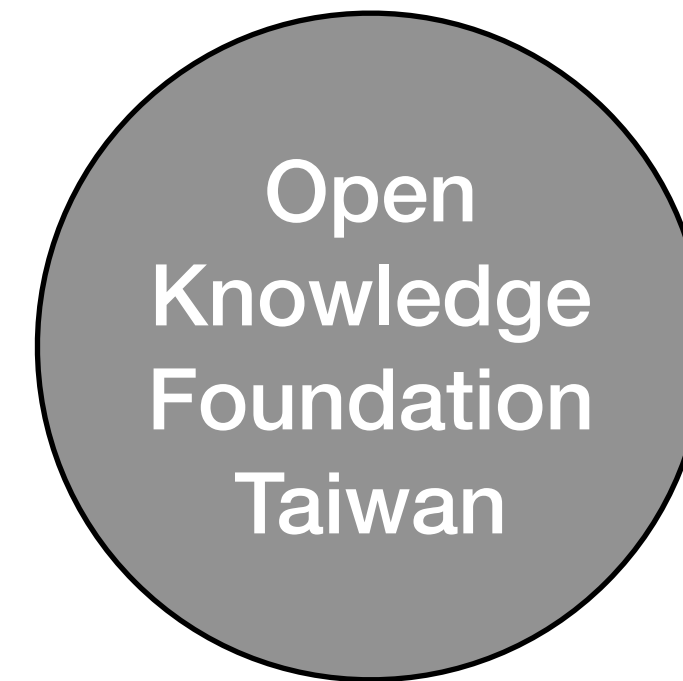
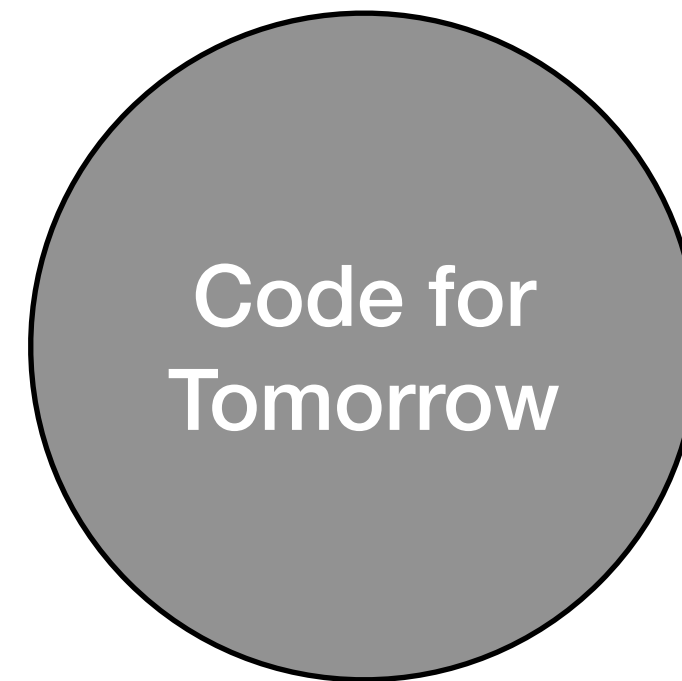
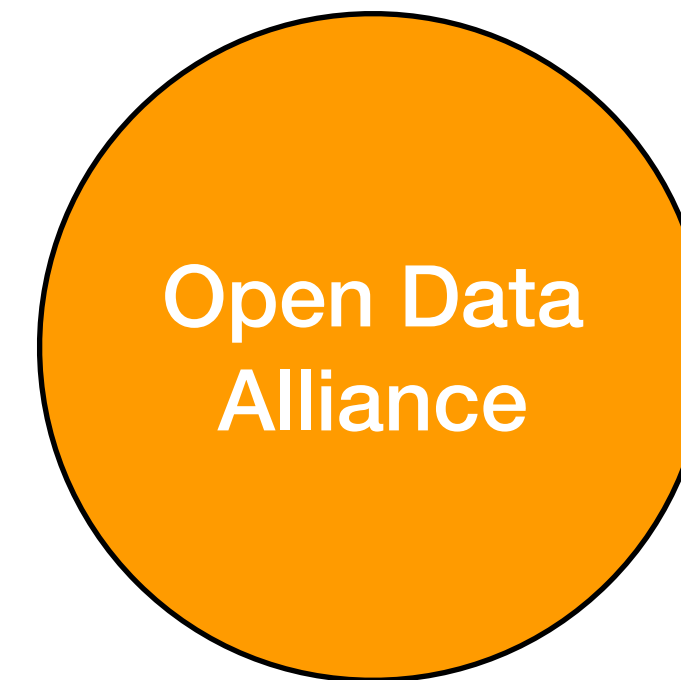
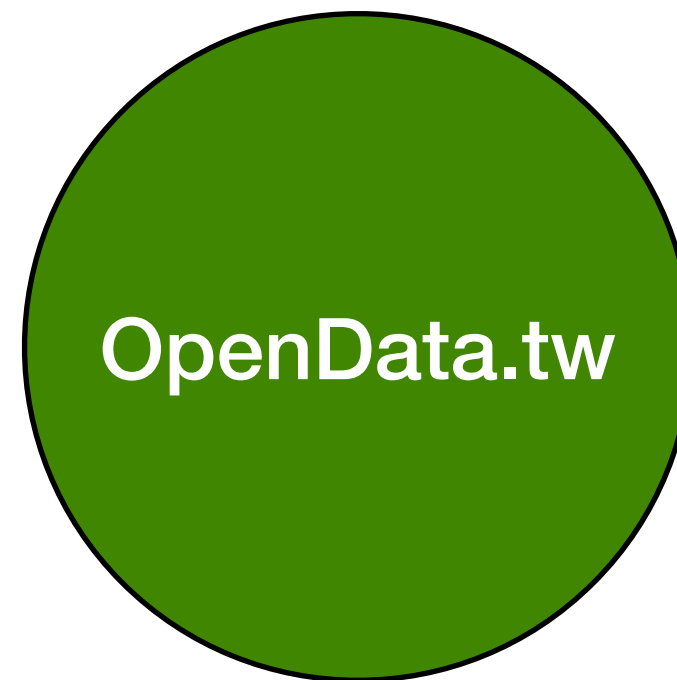
National Development Council



Ministry of Digital Affairs (MODA)

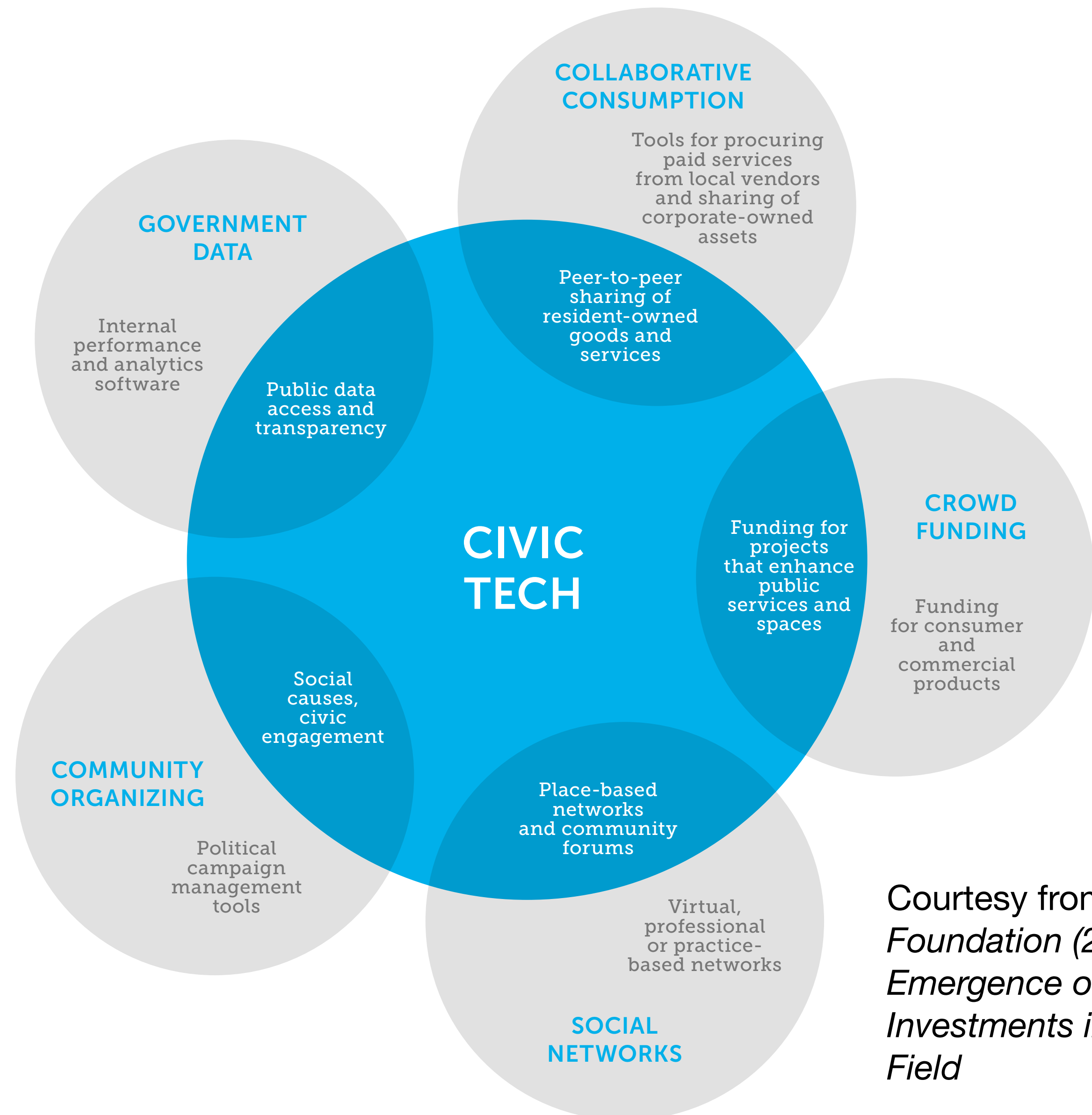
Bureau of Industry, Ministry of Economic

Private sector



CivicTech: A open data driving force

- Innovations from citizens via using government data and their familiar tools/methods to solve local problems
- Collaboration between public and private sectors



Courtesy from *Knight Foundation (2013) The Emergence of Civic Tech: Investments in a Growing Field*



Multi-centralized Community

major Hackaton every **2** month

2300 people on Slack

35% Developers

15% Designer

20% NGO/Civil Servants

30% O/Professionals

Since **2012**

g0v projects

g0v 零時政府

ENGLISH 繁體中文

首頁 關於 如何參與 成果列表 g0v 活動 搜尋 g0v

零時政府促成了哪些專案？

多項專案持續彙整中.....

</>

開放政府
開放資料
社會參與
新媒體應用
政策共筆
g0v基礎建設

開放政府 Open Government

草根力量打造開放透明資訊平台，促進公民參與及雙向溝通

中央政府總預算視覺化



g0v 社群的第一個專案。將大量難以閱讀的預算資料運用鳥瞰圖、變化圖、國債鐘等互動圖表，依比例呈現中央政府各部門的預算，開放網友評論。

專案網址
budget.g0v.tw

國會大代誌



持續開發的開放國會長期計畫。可即時顯示國會行程、修法進度、法條版本比較，還推播到 Twitter 供人訂閱。除了文字之外還整合了國會影像，標示每一位委員的發言時間供搜尋。

專案網址
ly.g0v.tw

意見回饋
立院專案討論區

立院影城



開放國會計畫的一部分。即時播放立法院議事影音直播 ivod，突破立法院原網站 IE only 限制，可跨平台收看並有互動功能。

專案網址
ivod.ly.g0v.tw

意見回饋
立院專案討論區

立院 IVOD youtube 備份



持續開發的開放國會長期計畫。可即時顯示國會行程、修法進度、法條版本比較，還推播到 Twitter 供人訂閱。除了文字之外還整合了國會影像，標示每一位委員的發言時間供搜尋。

專案網址
ivod.ly.g0v.tw

意見回饋
立院專案討論區

開放政治獻金



在監察院不提供數位資料的情況下，號召群眾印出文件，以鄉民OCR方式將政治獻金資料數位化。用鍵盤和選票，落實陽光法案，照亮政商關係。

專案網址
[facebook專頁](#)、[政治獻金數位化](#)

加入行動
行動本部共筆

立委投票指南



替立委排名，依數據列出缺席、不投票、脫黨跑票、修正法案數、臨時提案數等的立委排行。也提供表決視覺化名單，表決、法案、臨時提案的關鍵字搜尋。

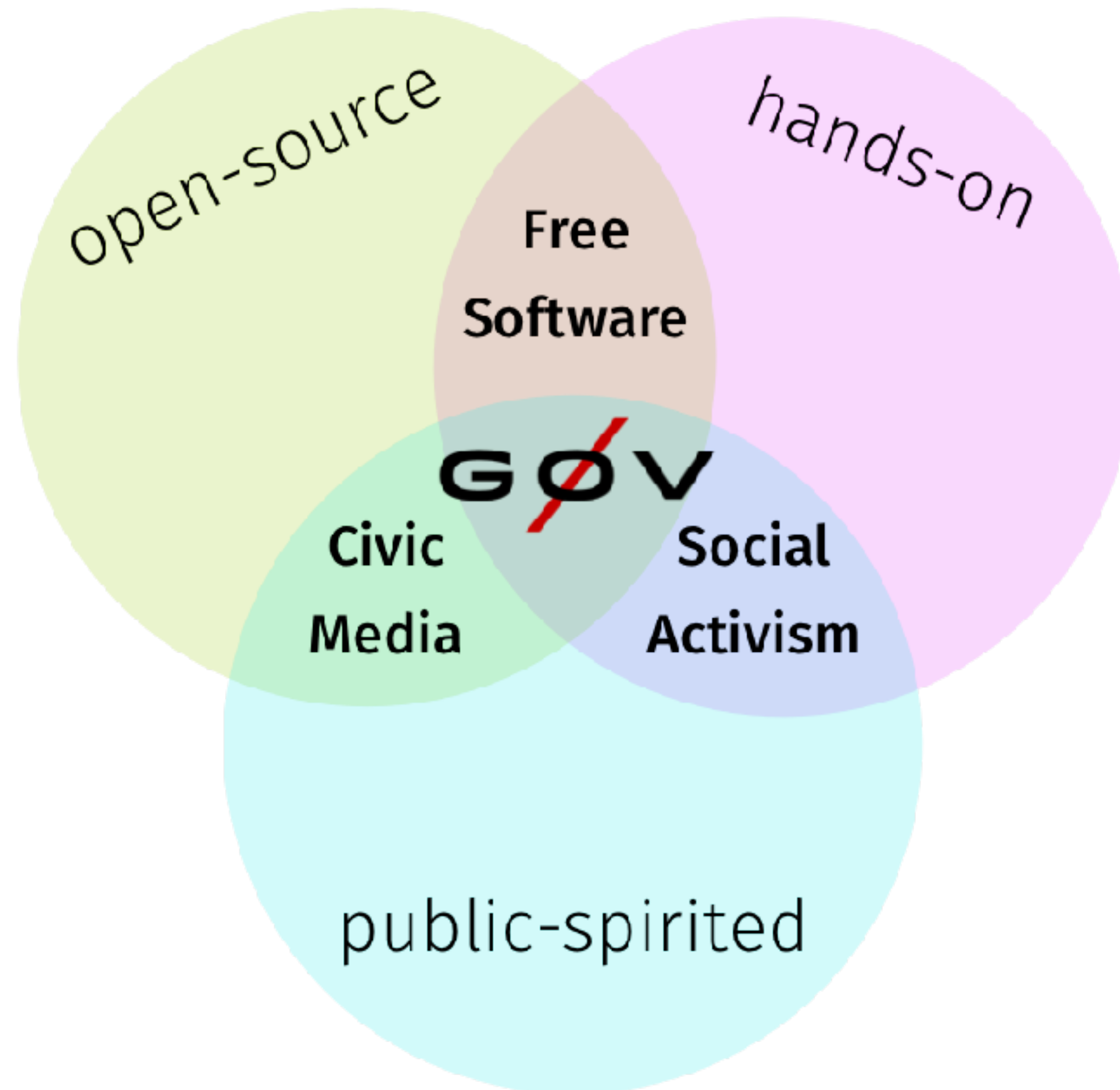
專案網址
vote.ly.g0v.tw

意見回饋
行動本部共筆、立院專案討論區

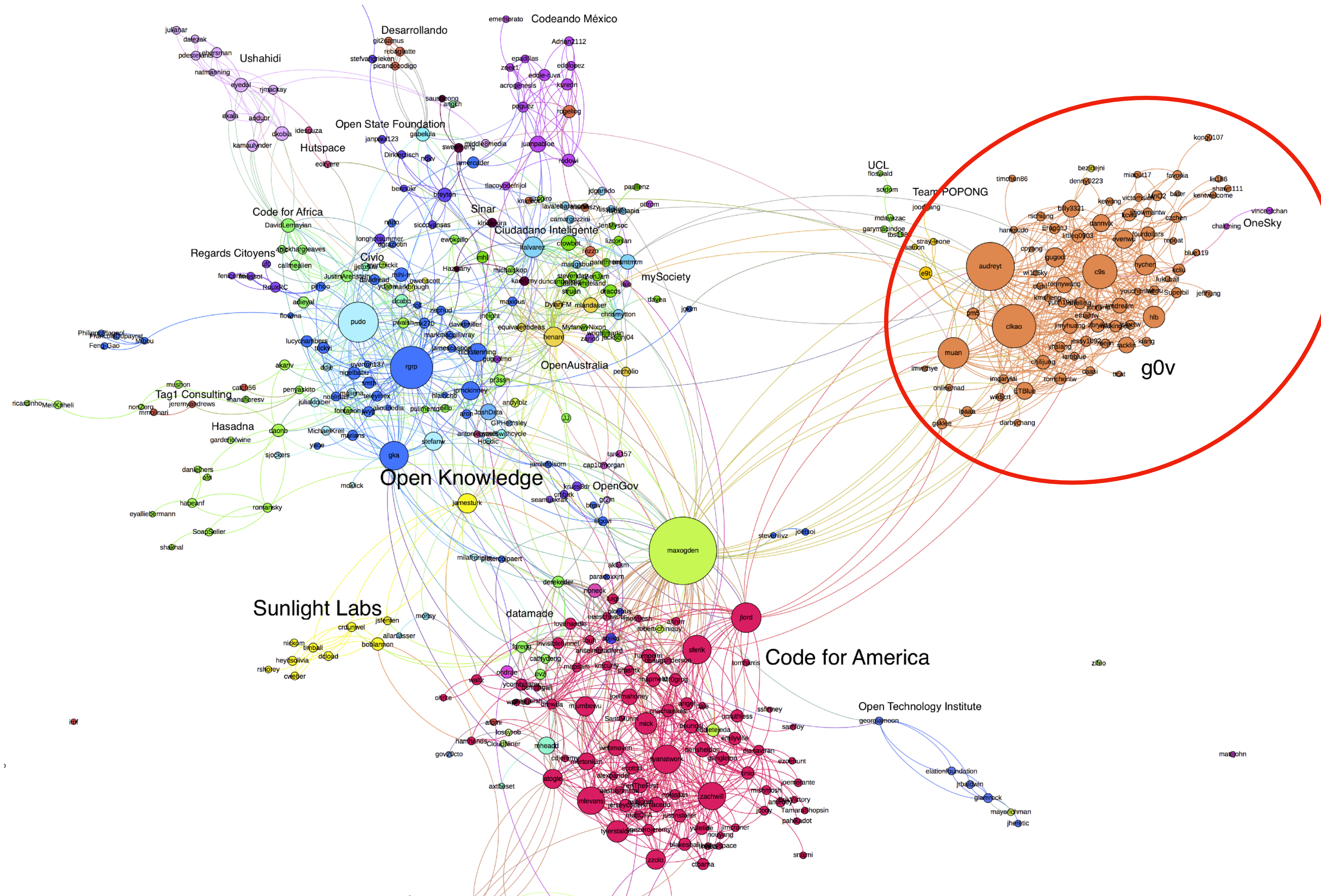
<http://g0v.github.io/projectPool/>

<https://g0v.tw/zh-TW/projects.html>

The essential components of g0v



g0v in global CivicTech communities



Taiwan Open Data Platform

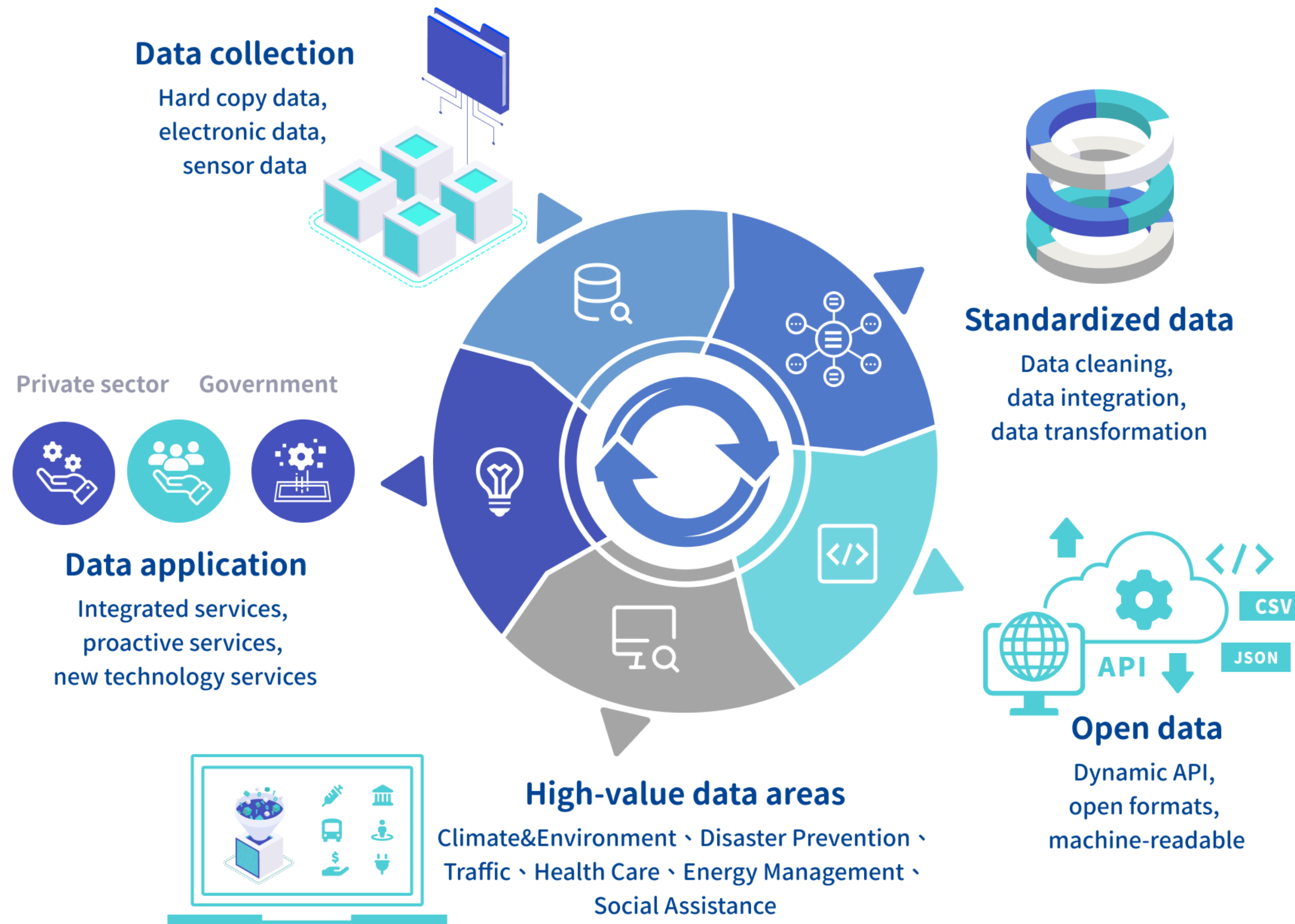
<https://data.gov.tw>

- 55410 datasets and 21 APIs available currently
- Allowing citizens to request data from government agencies
- Listing the applications using open data
- Establishing the specific section for high value open data
- Data quality assessment is difficult



Taiwan Open Data Platform

The topics recently concerned



Taiwan Open Data Platform

More attentions on open data applications

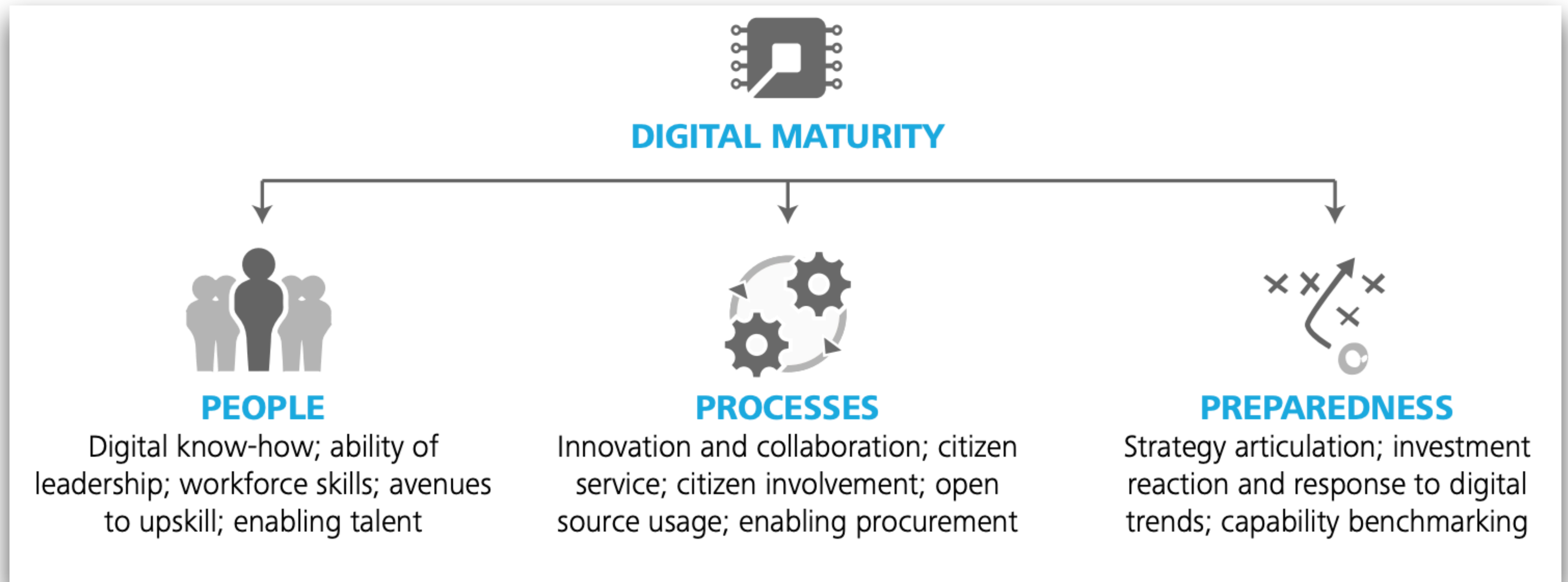


Remarks: Two key items for the OGD development

- OGD is an indicator for the degree of **digital transformation**, some features
 - Open by default
 - Governance via using data, or the use of data for problem-solving
 - Establish data lakes (repositories) smoothly
 - Data integration by semantics (Linked Data from Tim Berners-Lee's 5-star open data)
 - Data providence via API
- **Data Literacy** is important for the development of OGD

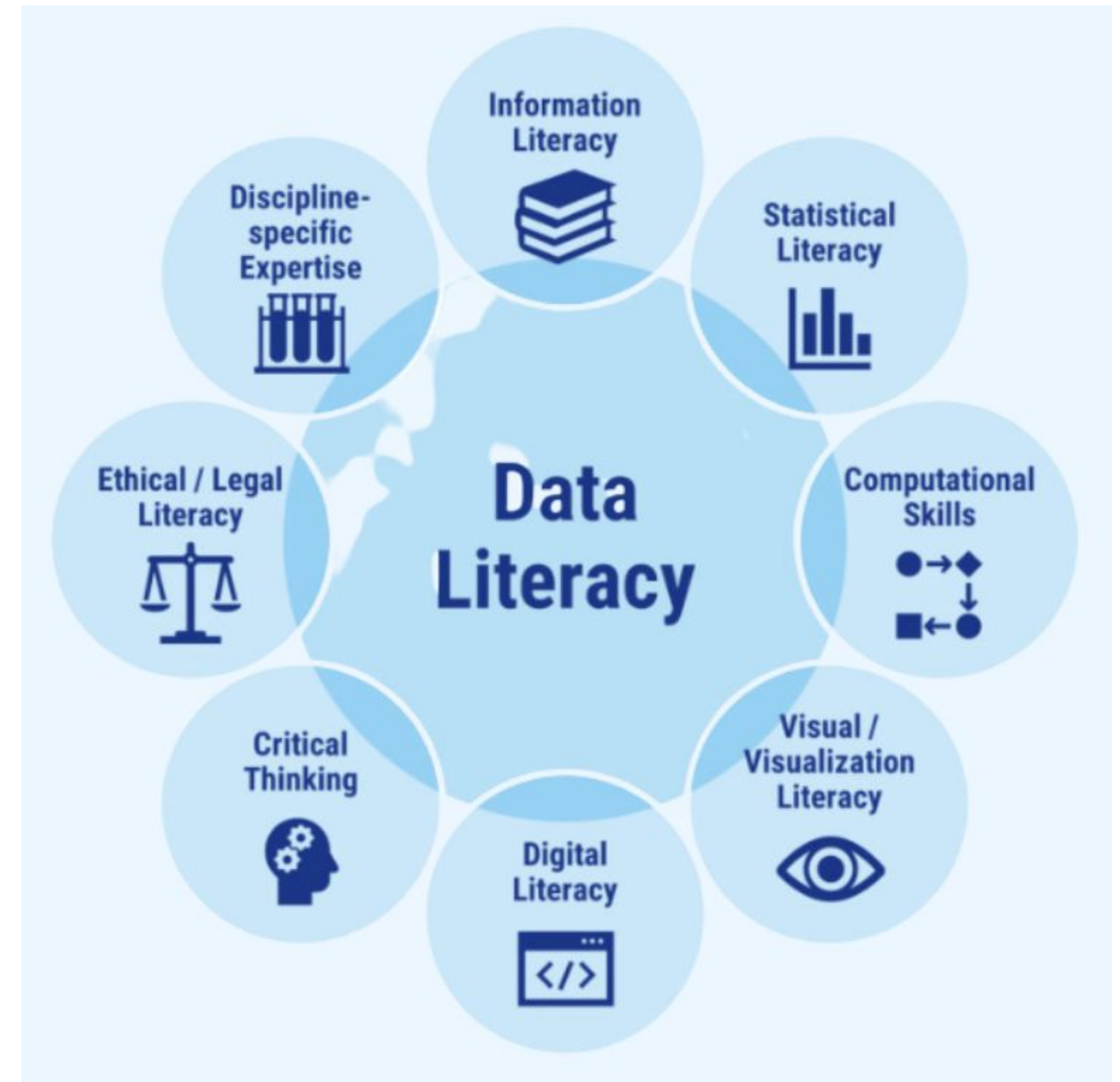


Good digital transformation to digital maturity



Data Literacy is crucial for open data

- It's difficult communication with the different knowledge background in 'open' data
- Without the sense of technologies, it's always difficult to make people understood that OGD is very important
- Without the ability of ICT, the OGD is often not able to be machine-readable
- Without sufficient data literacy, the quality of OGD is hard to trust





Thank for your
attentions!

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