

UN Department of Economic and Social Affairs – Seoul National University

Governance Capacity Development Session Series

Strengthening Public Governance &

Accelerating Innovation to Achieve Agenda 2030

Session 5

Strengthening Data Governance for Effective Use of Open Data and Big Data Analytics – in the context of COVID-19

Session Guidance Note

Friday, 30 April 2021

15:00 - 16:30 PM Seoul GMT+9

I. Background and Context

All governments have fully recognized the importance of data-driven decision-making, but unfortunately most of them have not yet developed effective strategies for data governance. Despite remarkable progress in open government data initiatives by many countries, there are still many barriers and challenges for government to share their data with public due to concerns of national security or protection of data privacy. Since early 2020, governments have been highly dependent on all data including official statistics, administrative data, open data and big data analytics for decision-making and actions to address the COVID-19 pandemic. These data allow governments to set priorities and adjust their decisions quickly and effectively in response to rapidly evolving COVID-19 situations. Open data and big data analytics, particularly through Artificial Intelligence (AI) platforms and data visualization tools, are empowering governments to predict virus mutations, track virus spread in real-time, and identify medications for treating COVID-19. Governments are using big data analytics to get prepared, react effectively, and develop both short-term and long-term strategies.

This Session will introduce the strategies and approaches to strengthening data governance for effective use of open data and big data analytics for anticipatory governance and data-driven and evidence-based policy making including effective combating COVID-19. Particularly, this Session will address increasing public concerns about data privacy and security and public mistrust in data collection, use and dissemination by government, business and relevant non-government institutions. This Session will underscore the importance of adopting a holistic and whole-of-government approach to data governance to enhance public trust and support institutional coordination, mobilize concerted actions, and streamline government operations as a whole.

II. Structure & Agenda

Time (Seoul, GMT+9)	Session
15:00	Opening by the Moderator <ul style="list-style-type: none"> Ms. Mi Kyoung Park, Governance and Public Administration Officer, UNPOG/DPIDG/UNDESA

15:00-15:45 (45 mins)	Presentation: Strengthening Data Governance for Effective Use of Open Data and Big Data Analytics – in the context of COVID-19 <ul style="list-style-type: none"> • Mr. Bokyun Shim, Head of UN Project Office on Governance, DPIDG/UN DESA • Mr. Keping Yao, Senior Governance and Public Administration Expert, UNPOG/DPIDG/UN DESA
15:45-16:05 (20 mins)	Country Case Presentation <ul style="list-style-type: none"> • Mr. Sung Joo Son, Director, Digital Government Cooperation Division, Ministry of the Interior and Safety, Republic of Korea
16:05-16:25 (20 mins)	Q&A
16:25-16:30 (5 mins)	Summary & Wrap-up

III. Guiding Questions

Presentation: Strengthening Data Governance for Effective Use of Open Data and Big Data Analytics – in the context of COVID-19 by Bokyun Shim and Keping Yao, UNPOG/DPIDG/UN DESA

- What is data governance and the major pillars of the data governance framework? What are the major challenges in instituting effective data governance?
- How have the open data and big data analytics contributed to effective response to COVID-19? What are the major strategies, approaches and innovative practices?
- What are the major concerns and policy issues in leveraging open data and big data analytics in addressing challenges of COVID-19?
- What are the major key issues on instituting data governance for addressing the COVID-19 pandemic and preparing for the post-COVID-19 era?

Country Presentation

- What is the national strategy and framework for data governance?
- What are the major challenges in developing data governance and how are these challenges being addressed?
- What are the enablers and leading factors for instituting a robust and effective data governance for addressing the challenges in COVID-19 response and the post-COVID-19 recovery and accelerating the pace of digital government transformation?
- What are the lessons and policy takeaways for the participants?

IV. Background Readings & Reference Materials

- **UN DESA (2020). UN E-Government Survey 2020.**
[https://publicadministration.un.org/egovkb/Portals/egovkb/Documents/un/2020-Survey/2020%20UN%20E-Government%20Survey%20\(Full%20Report\).pdf](https://publicadministration.un.org/egovkb/Portals/egovkb/Documents/un/2020-Survey/2020%20UN%20E-Government%20Survey%20(Full%20Report).pdf)
- **UN DESA (2020). Compendium of Digital Government Initiatives in response to the COVID-19 Pandemic.**
<https://publicadministration.un.org/egovkb/Portals/egovkb/Documents/un/2020-Survey/UNDESA Compendium of Digital Government Initiatives in Response to the COVID-19 Pandemic.pdf>
- **UN DESA (2020). UN DESA Policy Brief #89: Strengthening Data Governance for**

Effective Use of Open Data and Big Data Analytics for Combating COVID-19

https://www.un.org/development/desa/dpad/wp-content/uploads/sites/45/publication/PB_89.pdf

- **OECD (2021). Open Data in Action: initiatives during the initial stage of the COVID-19 pandemic** <https://www.oecd.org/governance/digital-government/use-of-open-government-data-to-address-covid19-outbreak.htm>
- **OECD (2020). Digital Transformation in the Age of COVID-19: Building Resilience and Bridging Divides.** <http://www.oecd.org/digital/digital-economy-outlook-covid.pdf>
- **OECD (2019). The Path to Becoming a Data-Driven Public Sector.** <https://www.oecd.org/gov/digital-government/the-path-to-becoming-a-data-driven-public-sector-059814a7-en.htm>
- **Nesta (2019). 20 Tools for Innovating in Government** <https://www.nesta.org.uk/report/20-tools-innovating-government/>
- **Webinar Video: Capacity Development Webinar Series on “Accelerating Digital Transformation for Sustainable and Resilient Recovery from COVID-19” (co-organized by UN DESA, Ministry of the Interior and Safety and NIA of the Republic of Korea on 13 October 2020):** http://unpog.org/page/sub3_1_view.asp?sn=389&page=2&search=&SearchString=&BoardID=0002

V. Online Participation via Zoom

You can join the Governance Capacity Development Session Series via ZOOM with the below link.

https://snu-ac-kr.zoom.us/webinar/register/WN_AELAJxbUQJGz9hW1GsYvCA

VI. Contact

For any substantive inquiries on the Session, please contact:

- **Mr. Keping Yao**, Sr. Governance and Public Administration Expert, UNPOG/DPIDG/UN DESA: yaok@un.org

If you may have difficulties to register through the weblink or any other queries, please contact us at:

- **UNPOG: Ms. Jihyun (Jenny) Jeoung**, jihyun.joung@un.org
- **SNU GRC: Ms. Rosie Hyein Lee**, hyein.lee@snu.ac.kr