



APCICT Annual Digital Leaders Programme

Leading Digital Transformation through AI and Data Governance

13-14 November 2024, Incheon, Republic of Korea

BACKGROUND

The rapid advancement of artificial intelligence (AI) and the growing reliance on data-driven decision-making are ushering in a new era of digital transformation for countries in Asia and the Pacific. These advancements are changing the way governments, businesses, and individuals operate and make strategic choices. As AI systems become more sophisticated and data analytics capabilities expand, countries increasingly recognize the potential of these tools to drive innovation and address complex development challenges.

In harnessing the potential of data and AI, it is imperative to establish robust governance frameworks to ensure their responsible and effective adoption. For data governance, this involves managing data availability, usability, integrity, and security. Similarly, AI governance encompasses developing and applying policies, regulations, and ethical guidelines that shape the design and use of AI systems. This approach aims to maximize the benefits of data and AI while mitigating potential risks and negative impacts on society.

As governments integrate AI and data-driven technologies into policymaking and government operations, the need for a comprehensive understanding of AI and data governance becomes crucial. Policymakers and public officials must not only grasp the technical aspects of these technologies but also recognize their broader societal implications and potential risks. A thorough understanding of AI and data governance is essential to ensure responsible implementation, maximizing the benefits of these technologies while safeguarding citizens' rights and interests.

It is in this context that the Asian and Pacific Training Centre for ICT for Development, a regional institute of the Economic and Social Commission for Asia and the Pacific, is organizing the **Annual Digital Leaders Programme on "Leading Digital Transformation through AI and Data Governance"** on 13-14 November 2024 in Incheon, Republic of Korea, in cooperation with the Ministry of Science and ICT and Incheon Metropolitan City of the Republic of Korea. The programme aims to equip participants with the necessary skills and insights to navigate the evolving landscape of AI and data governance and to strengthen their ability to design governance frameworks that address both the opportunities and challenges posed by these technologies.

OBJECTIVES

The programme aims to:

- To promote understanding of data governance and its relevance to digital transformation in government, highlighting the unique aspects that differentiate government data governance from private sector approaches.
- To explore the key components of data governance frameworks and how they apply to various government functions, emphasizing the challenges of cross-agency data sharing and integration.
- Examine the fundamentals of AI and its economic, societal and ethical impacts
- Explore various AI governance frameworks, standards, ethical considerations and practical implementation strategies
- Learn how to address AI-related risks and challenges effectively, ensuring alignment with international good practices

PROGRAMME CONTENT

The programme is part of the “**Academy of ICT Essential’s for Government Leaders**”, APCICT’s flagship capacity building programme on digital development targeted to policymakers and civil servants. Participants will be introduced to the Centre’s new Academy Modules on “Data Governance for Digital Transformation” and “AI Governance for Policymakers and Civil Servants”. The training will also be an opportunity to exchange perspectives and experiences among the participants on AI and data governance practices.

PARTICIPANTS

The event will be attended by policymakers and government officials from Asia and the Pacific involved in digital transformation and regulatory frameworks related to AI and data, including representatives of APCICT’s network of partners from ICT-related ministries and civil service training institutes in the region.



PROGRAMME

Wednesday, 13 November 2024	
Time	Description
08:30 – 9:00	<i>Registration</i>
9:00 – 9:05	Opening and Introduction by APCICT
	<i>Module on Data Governance and Digital Transformation</i>
9:05 – 10:30	Session 1: Fundamentals of Data Governance This session covers the fundamentals of Data Governance and its crucial role in Digital Transformation. It explores various Data Governance Frameworks and their application in the government context. The session also delves into the complexities of the Government Data Ecosystem and its unique challenges.
10:30 – 10:45	<i>Coffee Break</i>
10:45 – 12:00	Session 2: Challenges in Data Governance This session examines current challenges in Data Governance, including data quality, security, sharing, and interoperability. It discusses ethical considerations in data use and presents real-world case studies. Practical approaches to addressing these issues in government settings are explored.
11:45 – 12:00	Special Messages from the Co-Organizers <ul style="list-style-type: none">• Ministry of Science and ICT, Republic of Korea• Incheon Metropolitan City Group Photo
12:00 – 13:30	<i>Lunch</i>



13:30 – 15:30	<p>Session 3: Strategies for Implementing Data Governance This final session focuses on actionable strategies for implementing Data Governance. It covers the development of a comprehensive Data Strategy and methods for building organizational capacity. The session concludes with techniques for measuring the success and impact of Data Governance initiatives.</p> <p>Evaluation</p>
15:30 – 15:45	<i>Coffee Break</i>
	Module on AI Governance
15:45 – 16:30	<p>Session 1: Foundational AI Concepts The session introduces foundational concepts, including AI, machine learning, deep learning, generative AI and the role of data.</p>
16:30 – 17:30	<p>Session 2: Economic, Social and Environmental Implications of AI The session introduces AI’s broad societal impacts and real-world use cases across sectors. Participants will discuss AI implications in their local contexts and how these could influence local governance strategies.</p>
17:30 – 20:00	<i>Welcome Dinner</i>



Thursday, 14 November 2024

Time	Description
08:30 – 9:00	<i>Registration</i>
9:00 – 10:30	Session 3: Applications and Governance Frameworks This session focuses on the real-world applications of AI and the global governance frameworks that guide responsible AI deployment. Participants will dive into international AI governance frameworks like the UN White Paper, the ASEAN AI Governance Framework, and ethical frameworks such as the OECD AI Principles.
10:30 – 10:45	<i>Coffee Break</i>
10:45 – 12:00	Session 4: AI Laws and Risk Management The session introduces the legal and ethical consideration in AI governance. Participants will delve into critical legal and regulatory frameworks, such as the EU AI Act, and practical tools for managing AI risks, including the NIST AI Risk Management Framework.
12:00 – 13:30	<i>Lunch</i>
13:30 – 14:45	Next Steps for Module Deployment Participants will engage in discussion on enhancing the quality and relevance of the two modules as well as strategies for deploying the modules at the country level.
14:45 – 15:00	Evaluation and Closing



APCICT Resource Persons

Jonathan Palmer

Data Governance for Digital Transformation Resource Person

Over his career of more than 40 years, Jonathan served as Deputy Australian Statistician and he was the CIO for Statistics New Zealand, Australian Bureau of Statistics, and the International Monetary Fund. In recent years Jonathan has assisted National Statistical System Strategy development in the Pacific and he is currently working with UNESCAP and APCICT in the areas of National Data Strategy and Data Governance capacity building.

Timothy Tay Huey En

AI Governance Resource Person

Timothy Tay is a seasoned consultant and educator with over 35 years of cross-industry experience, specializing in AI governance, cybersecurity, and governance, risk, and compliance (GRC). He has extensive expertise in developing and delivering training programs for policymakers and civil servants, focusing on emerging technologies like AI and their governance frameworks. Timothy's professional background spans various roles, including lead trainer at TÜV SÜD Singapore and associate trainer at NTUC Learning Hub. He has developed and delivered curriculum for cybersecurity, AI governance, and business continuity standards, leveraging his strong background in ISO standards such as ISO 27001 (Information Security Management Systems), ISO 22301 (Business Continuity), and ISO 42001 (AI Management Standards). A Fellow of the Singapore Computer Society and a certified ISO auditor, Timothy combines deep technical knowledge with a commitment to advancing sustainable digital transformation.

