

Session II Lecture 4

Digital Food Platform (DFP) Initiative led by Institute of Science Tokyo

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Summary

In recent years, the global food system has encountered structural challenges that exceed the capacity of conventional food-system paradigms. On the production side, climate change of unprecedented scale has elevated the risk of global food shortages, while on the consumption side, consumer demands have become increasingly complex, diversified, and personalized. Concurrently, rapid advancements in technologies such as IoT, AI, and robotics have catalyzed attempts to develop next-generation food systems, inspiring the emergence of food-tech and agri-tech clusters through industry–academia–government collaboration both domestically and internationally.

In response to these macro- and micro-level environmental shifts, we have launched “the Digital Food Platform Initiative”, which integrates the domains of food and digital technology. This initiative seeks to establish an ecosystem that engages not only the food industry but also diverse cross-sector actors in collaboration with academia and government. Through this ecosystem, we aim to accelerate well-being value creation that cannot be sufficiently realized within existing food systems. This presentation introduces our initiative and we warmly welcome interested researchers, practitioners, and organizations to join the Digital Food Platform Initiative and collaborate in advancing this emerging field.