

Plenary-03

National Food Security Improved by Crop Value Chain Enhancement

Seungho Cho¹*

¹National Institute of Crop Science

Goal of national food security is to improve crop productivity and substantiality. More comprehensive and expanded concept of food security including food safety, quality, nutrition and value-added new applications is need for futuristic smart society. The entire process of breeding-seed production-seedling preparation-cultivation-harvest-distribution-consumption which used to be independently managed will need to be organized into one integrated management procedure. Advancement of the agro-food industry through technology integration, networking and expansion has been slow because these technological elements are still fragmented and independently operated. It is necessary to develop G, E, M, and P data management process and high-level decision-making protocols first. Sustainable high value supply chain for domestic food crops is expected to be secured by GxExMxP technologies.