Southeast Asia is one of the major agricultural hubs of the world, facing challenges to feed the fast-growing population. Unpredictable climate change, land use crisis, environmental impacts, labor shortages, and adaptation behavior are the major problems to maintain the optimum yield production. To solve crisis, a transboundary approach is required in agricultural production system implementing by smart agriculture, IoT based supply-chain logistics, and early warning system to reduce damages of crops to feed 9 billion population by 2050 (SDG 1 & 2). The aim of this session is to focus on the recent achievements, challenges and future research directions to achieve food security and safety for the Southeast Asia.

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