

S42-01

**Introduction of the Project for Enhancing Utilization of Himawari-8/9 Data
- Rapidly Developing Cumulus Area (RDCA) Determination –**

SUZUE Hiroshi (JMA)

The Japan Meteorological Agency (JMA) has provided a Japan-area version of Convective Cloud Information (CCI) since 2016 and an Asia and Western Pacific version since 2018 for aviation safety and air traffic control. One element of the product - Rapidly Developing Cumulus Area (RDCA) data - is determined using logistic regression analysis for a statistical approach with only Himawari-8/9 observation data as input. This technique has been adopted in Southeast Asia (Indonesia, Malaysia, Singapore, Thailand and Vietnam) via bilateral cooperation and an ESCAP/WMO Typhoon Committee project. This presentation gives an overview of RDCA determination and the transfer of related technical expertise.