



## **Development of the nowcasting system for the XVII Asiad at Korea Meteorological Administration**

Kyungjeen Park, Juwon Kim, Taekyu Jang, Seung On Hwang, Yunho Park, Yoonjae Kim, Seonjoo Park, Sangwon Joo, and Hae Mi Noh

Korea Meteorological Administration, Seoul, Korea, Republic Of (kpark33@kma.go.kr)

The XVII Asiad, known as the 2014 Asian game, is the largest sporting event in Asia. It will be held in Incheon, South Korea from September 19 to October 4, with 437 events in 36 sports. To support this game, Korea Meteorological Administration developed Incheon Data Assimilation and Prediction System (IDAPS) for nowcasting and very short range forecasts. The domain is centered at Incheon city and covers the central region of the Korean peninsula and adjacent seas. It repeats analysis and forecast processes with 1 hour cycling interval. IDAPS has approximately 1 km horizontal resolution with 324 x 360 grids and 70 vertical layers. Three dimensional variational data assimilation is applied to assimilate AWS, windprofiler, buoy, sonde, aircraft, scatwinds, rain rate, and radar products. The details of IDAPS and the experiment results will be given during the conference.