

ICHARM: Delivering best available knowledge to local practices

"ICHARM ACTIVITIES FOR A PLATFORM ON WATER RESILIENT & DISASTERS IN SRILANKA"



GMPLGMENTGNG SMART GNFRASTUCTURE FOR FORECATGNG, EARLY-WARNLING E DECISION MAKING GN SRILANKA

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May 2017 Flood in Sri Lanka



Since 24th May 2017, the unprecedented heavy rainfall caused severe floods and landslides

According to the Government of Sri Lanka as of June 3 2017,

211 people have died96 people have been missing704,000 people have been affected

Monitoring & Early Warning System

- Upgrading to real-time data observing and archiving system
- Integrated data from multiplatform (insitu and Satellite)

Real-Time Data Archiving & Processing System





water related disasters

Dissemination from models and satellite

SYSTEM DEVELOPMENT & APPLICATIONS



Technology upgrade for rainfall monitoring





Funded by JAXA-PMM Project



Real-Time Satellite Data (GSMaP-NOW)

JAXA GLOBAL RAINFALL WATCH 世界の雨分布速報



日本語

Last Update: 21 Mar 2018 07:54:49 UTC



JAXA – NTT DATA Bias Correction Algorithm



WEB-RRI: Hydro-Sib-RRI with RRI Model



SINGLE AND ENSEMBLE PREDICTION SYSTEM

Single (Deterministic) prediction



Ensemble prediction



NUMERICAL WEATHER PREDICTION IN SRI LANKA





INNER DOMAIN FORECAST FROM 18Z23



















4.5N







3hour rainfall 18Z24MAY2018 from 18z23May



78.56 796 79.56 806 80.56 816 81.56 826 82.56 836 83.





4.0N

GSMAP-NOW-BC (mm/3hr) from 00Z25MAY2018







Thank you for your kind attention !!!