**Development and Implementation of**

**the South East Asia Flash Flood Guidance System (SEAFFGS)**

**INITIAL PANNING MEETING**

**Ha Noi, Viet Nam, 20-23 November 2017**

**Draft Agenda**

**Day-1 (20 November 2017)**

*Joint Opening Session (SWFDP-SEA[[1]](#footnote-1) and SEAFFGS) (Second floor-70 seats)*

09:00–09:30 Registration

09:30–10:00 Opening of the Meetings (Viet Nam & WMO)

10:00–10:20 Purposes of the meetings (WMO)

10:20–10:30 Photo session

***10:30 - 11:00 Tea Break***

*SEAFFGS Session (Second Floor-32 Seats)*

11:00-11:15 Review of Draft Agenda and Introduction of participants (All)

11:15-11:30 Overview of the global FFGS (WMO)

11:30-11:45 Role of WMO (WMO)

11:45-12:00 Role of HRC (HRC)

12:00–12:15 Role of USAID/OFDA (USAID/OFDA)

12:15–12:30 Role of NOAA (HRC)

12:30-13:00 Overview of existing flash flood forecasting and warning infrastructures of NMHSs of Southeast Asia (Country presentations[[2]](#footnote-2))

* National capacity for the provision of flash flood early warnings
* National capacity for weather forecasting and nowcasting (Global and limited Area Models, meteorological data processing and visualization software)
* Current hydrometeorological networks (number and types of meteorological and hydrological stations, Radar network, data dissemination methods, GTS reporting, databases)
* Availability of systematically observed hydrometeorological data (availability of the data, data types, digital or paper, periods of coverage) since May 2012
* Organizational structure and human resources (7/24 working, number of trained forecasters, forecasting department
* Collaboration with emergency management agencies other governmental and non-governmental (private sector, TV, Radio etc.) organizations
* Brief overview of products and services provided

**13:00-14:00 Lunch**

14:00-14:30 Overview of existing flash flood forecasting and warning infrastructures of NMHSs of Southeast Asia (Country presentations) (Continued)

14:30-15:30 Facilitated discussion on *current* flash flood forecasting approaches in the region (All)

***15:30-16:00 Tea Break***

16:00-16:30 Overview of the Currently Operational MRCFFG System and its concept of operation (MRC)

* Mandate and its roles
* Products and delivery mechanism
* Clients, users and feedbacks

16:00-17:00 CREWS SEAFFGS initiative (WMO)

**Day-2 (21 November 2017)**

09:00-09:30 Summary of Day 1 (Chair)

09:30-10:30 Overview of the Flash Flood Guidance System (FFG) for Southeast Asia (HRC)

* Introduction to the SEAFFG system
* Background and key components
* Delineations
* Radar ingestion
* High Resolution Mesoscale SWFDP-SEA NWP QPF ingestionNowcasting

***10:30 - 11:00 Tea Break***

11:00-12:00 Overview of the Flash Flood Guidance System (FFGS) for Southeast Asia – Continued (HRC)

* FFGS products
* Product use
* Map Server Interface

12:00-12:30 Data requirements for the SEAFFGS (HRC)

***12:30–14:00 Lunch***

14:00-15:00 Facilitated discussions on the availability and access to historical and real-time data and information (All)

15:00-15:30 Overview of the SWFDP-SEA (RFSC[[3]](#footnote-3))

* Geographical coverage
* Model resolutions and forecast period

***15:30-16:00 Tea Break***

16:00- Visit to the Department of Hydrometeorological Service of Viet Nam (All)

19:00 Welcome Dinner (*TBC*)

**Day-3 (22 November 2017)**

09:00-09:30 Summary of Day 2 (Chair)

09:30-10:00 FFGS Advanced functionalities (HRC)

* + Multi-NWP QPF ingestion
	+ Landslide susceptibility mapping
	+ Riverine Routing
	+ Urban Flash Flood EWS
	+ Seasonal and sub-seasonal discharge prediction

10:00-10:30 Flash Flood Hydrometeorologist Training Programme (HRC)

***10:30-11:00 Tea Break***

11:00-11:30 Roles and responsibilities of the participating NMHSs and the Regional Centre in SEAFFGS (WMO)

11:30-12:00 Facilitated discussions on the national professional and technical capacities needed for national project operations (All)

12:00-12:30 Organizational and management aspects of project planning and implementation (WMO)

***12:30 – 14:00 Lunch***

14:00 -15:00 Facilitated discussion on interest of countries to participate in the project, including establishment of the Regional Centre (All)

15:00-15:30 Next steps and work plan (HRC)

***15:30-16:00 Tea Break***

16:00-16:30 Review and adoption of decisions and recommendations (All)

16:30-17:00 Final remarks and closing of the meeting

**Day-4 (23 November 2017)**

*Joint Morning Session (SWFDP-SEA and SEAFFGS) (Second floor-70 seats)*

Linkage between SWFDP-SEA and SEAFFGS

09:00-09:30 Linking SEAFFGS with SWFDP-SEA (WMO)

09:30-10:00 High Resolution Mesoscale NWP QPF capabilities and requirements of the SEAFFGS (RFSC-Ha Noi, HRC)

10:00-10:30 Nowcasting capabilities and potential use in SEFFGS (RFSC-Ha Noi, HRC)

***10:30-11:00 Tea Break***

11:00-11:30 Towards a common user interface (HRC)

11:30-12:00 SWFDP-SEA and SEAFFGS joint training activities (HRC,WMO)

12:00-12:30 Recommendations and next steps

***12:30 – 14:00 Lunch***

*Afternoon Session (SEA-SC Meeting) (Second floor-32 seats)*

------End of Workshop------

1. Severe Weather Forecasting Demonstration Project-Southeast Asia [↑](#footnote-ref-1)
2. Each presentation will have maximum 10 slides and will be limited to 15 minutes. [↑](#footnote-ref-2)
3. RFSC :Regional Forecast Support Centre [↑](#footnote-ref-3)