WEATHER CLIMATE WATER
TEMPS CLIMAT EAU

CREWS SeAFFGS initiative

WMO OMM

World Meteorological Organization
Organisation météorologique mondiale

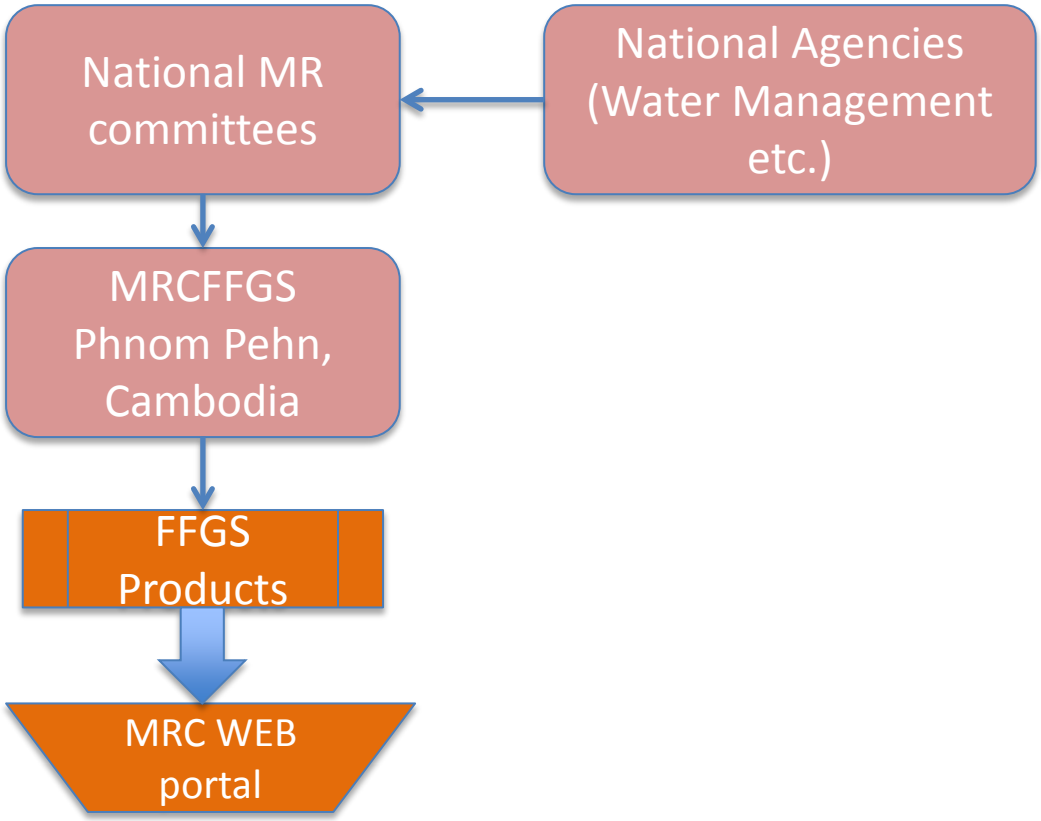
Canada CREWS SEA and SIDS Funding

The Government of Canada (Environment and Climate Change Canada – ECCC) has granted funds for the project entitled "*Building Resilience to High-Impact Hydrometeorological Events through Strengthening Multi-Hazard Early Warning Systems (MHEWS) in Small Island Developing States (SIDS) and Southeast Asia (SEA)"*

Within the scope of this funding a number of projects will be implemented in the Southeast Asia Region. These include, among others:

- Severe Weather Forecasting Demonstration Project-Southeast Asia (SWFDP-SeA);
- South East Asia Flash Flood Guidance System (SeAFFGS); and
- Climate Services.

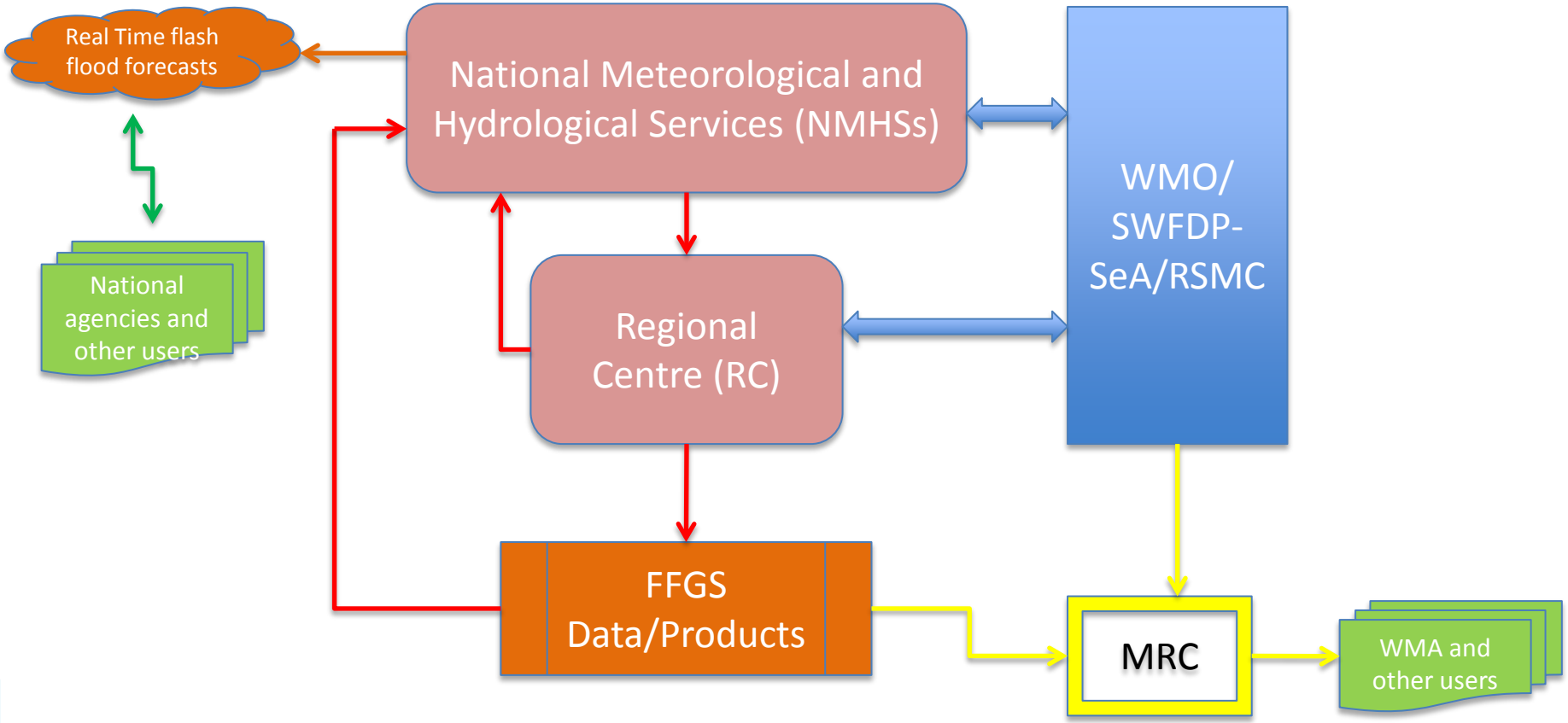
MRCFFGS-Current



MRCFFGS

- New server and system software installed;
- Step-3 Operational Training at HRC is underway; and
- Sole provider of FFG products till SeAFFGS is available (2 plus years)

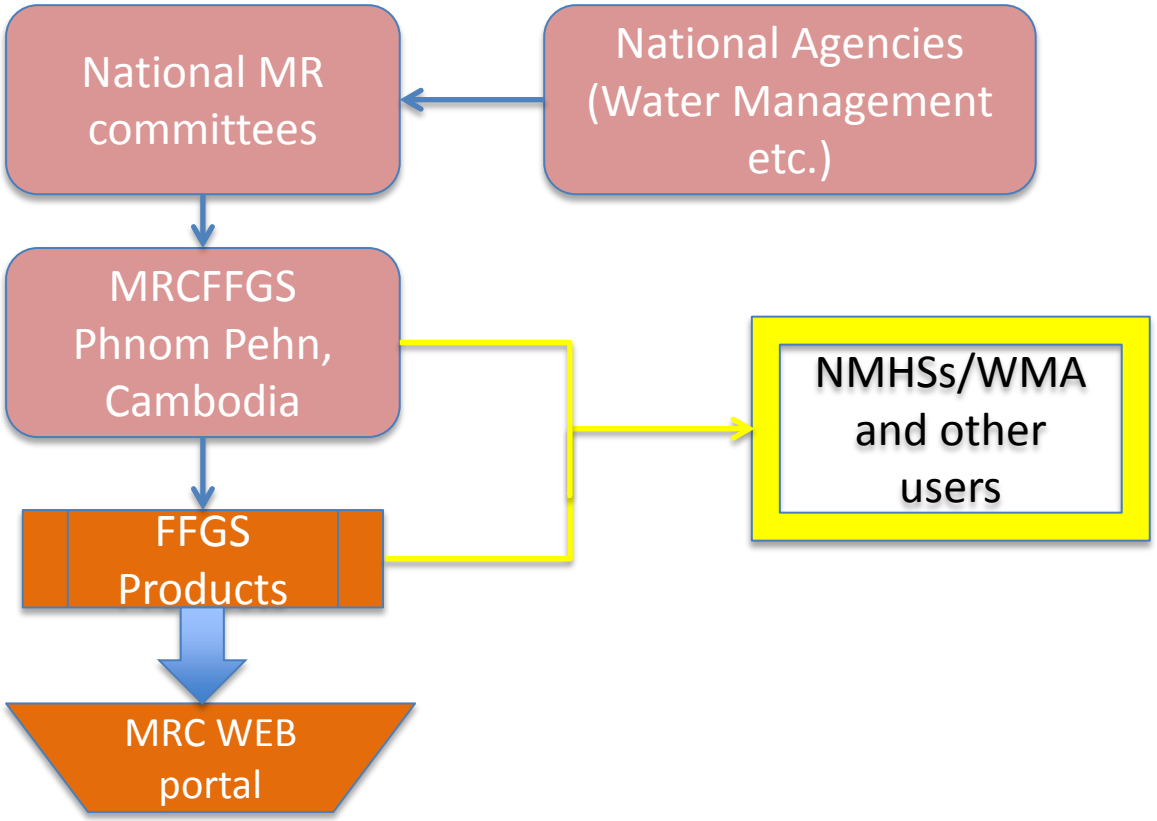
SEAFFGS-Operational (2+ years)



SEAFFGS and MRCFFGS

- New features of SeAFFGS not available on MRCFFGS;
- Continual need for enhanced QPE and QPF;
- Regional ability for SeAFFGS to use SWFDP-SeA model output;
- Enhanced linkages with NMHSs; and
- Sustainability and increased ability
  - Increased effectiveness, user distribution.

Transition Phase



New Features

Phase I

- Inclusion of Weather RADAR data;
- Multi-NWP model ingestion;
- Parallel implementation of SeAFFGS and SWFDP-SeA;
  - Ingestion of High Resolution mesoscale NWP precipitation data in coordination with SWFDP-SeA project,
  - Use of Nowcasting products in coordination with SWFDP-SeA project.
- New user interface;
- Higher resolution basin delineations; and
- Additional regional and country-level forecaster training.

Phase II (possibilities)

- Landslide susceptibility mapping; and
- Urban Flash Flood EWS.

Benefits

Main Benefits of the SeAFFG project are to:

- Enable NMHSs who are mandated to provide flash flood forecasts and warnings to issue timely and accurate flash flood warnings;
- Build local capabilities for the sustainability of the project;
- Link SWDFP-SeA with the SeAFFGS to include, inter alia, higher resolution mesoscale NWP data and Nowcasting data;
- Use weather Radar data for more accurate and higher resolution flash flood forecasts and warnings;
- Advanced user interface console to allow forecasters to display additional GIS layers with the FFGS products;
- Allow feeding of products to MRCFFGS; and
- Possible future inclusion of advanced modules such as landslide and Urban FFEWS.

Thank you

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For more information please visit:	**http://www.wmo.int/ffgs**
	http://www.hrcwater.org

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