SAsiaFFG Status

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Development Items Completed

All development on the basis of global databases - No Regional Data has been included (apart of Pakistan)

1. Completed (a) the delineation of ~42,000 basins with average area 100-150 km² using SRTM 90-m quality-controlled digital terrain elevation data and (b) the initial adjustments on the basis of global data of river topology and google earth scenes.

2. On the basis of FAO soil-texture maps and land-use and land-cover maps, initial parameters for the hydrologic model components have been estimated and implemented in the parametric databases.

3. Completed the incorporation the real-time IR-based and MW-based satellite precipitation products for the estimation of the Mean Areal Precipitation (MAP) over each basin.

4. Developed the forecaster panel for snow products and information including the satellite-based IMS product.

5. Developed the tailored forecaster interface of the FFG system for South Asia region and for each country in the region.

6. Developed the tailored system dashboard of the FFG system for South Asia region and for each country in the region.

7. Provided Introduction to the system and first product training at the Project Kick-off meeting in Nepal in 2012.
Development Status - Basin Delineation

Afghanistan, Bangladesh, Bhutan, India, Nepal, Pakistan, and Sri Lanka
Development Status – Initial Model Parameter Estimation

UZTM (mm)
- 13.2 - 20
- 20 - 36
- 36 - 55
- 55 - 70
- 70 - 85
- 85 - 120
Development Status – Satellite Precipitation and Snow Cover Products

Microwave adjusted Global Hydro-Estimator (CMORPH and GHE)

Interactive Multisensor Snow and Ice Mapping System (IMS)
Development Status – Forecaster Interface Main Panel

SAsia-FFG - South Asia Flash Flood Guidance System

Current Date: 2016-03-25 00:00 UTC
Nav Date: 2016-03-25 09:00 UTC

DT MWGHE Precipitation GHE Precipitation Gauge MAP Merged MAP ASM FFG IFIT PFFT Icon Model Forecast FMAP FFTT

01-hr

03-hr

06-hr

24-hr

Composite Product: non CSV CSV
SFTP data transfer (requires SFTP Client): EXPORTS REGIONAL 2016-03-25
## Development Status – Forecaster Interface Snow Panel

<table>
<thead>
<tr>
<th>Snowpack Products</th>
<th>DT</th>
<th>Gauge MAT</th>
<th>Latest IMS SCA</th>
<th>SWE</th>
<th>Melt</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>06-hr</strong></td>
<td>06-hr</td>
<td><img src="image.png" alt="Gauge MAT" /></td>
<td><img src="image.png" alt="Latest IMS SCA" /></td>
<td><img src="image.png" alt="SWE" /></td>
<td><img src="image.png" alt="Melt" /></td>
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Thank you