|   | PRI  |   | OGRAM ACC<br>RT CARD (P   |   | .ITY  |        |
|---|--|---|---|---|---|--------|
|   |  | PROGRAM/                                      |   | OVERALL RESULTS   | SSESSMENT   |        |
| DEPARTMENT OF<br>SCIENCE AND<br>TECHNOLOGY  | PRIORITY PROGRAMS  | PROJECT BUDGET<br>(FY 2013)<br>in Million PhP | FY 2012 ACTUAL<br>ACCOMPLI SHMENTS  | SERVICE/ PRODUC<br>FY 2013 TARGETS/<br>MILESTONES   | T RESULTS<br>FY 2013 ACTUAL<br>ACCOMPLI SHMENTS   | RATING |
|   | Establishment of the<br>Flood Information<br>Network (FlooedNET)<br>Duration: July 23, 2012 -<br>July 22, 2013   | PHP 5   |   | Completed   | Data and forecasts<br>available at<br>noah.dost.gov.ph and<br>http://climateX.ph<br>Network of databases and<br>software that<br>automatically interpret<br>data in terms of flood<br>potential<br>Tools developed to aid<br>PAGASA forecasters<br>available at<br>http://climateX.ph/<br>timeseries and http://<br>climateX.ph/sweep   | 100%   |
|   | Emergency Distribution<br>of Hydometeorological<br>Devices in Hard-Hit<br>Areas in the Philippines<br>(HYDROMET)<br>Duration: January 1, 2012 -<br>December 31, 2013 | PHP 150                                       | Determined deployment<br>sites and coordinated with<br>stakeholders: Table top<br>selection of sites and<br>ocular inspection   | List of final deployment<br>sites<br>Installed security fence<br>and<br>pedestals   | The DOST Regional Offices<br>in cooperation with<br>PAGASA have completed<br>the approval of the final<br>sites of deployment.<br>Installed security fence<br>and pedestals   | 100%   |
| DOST provides<br>central direction,<br>leadership, and<br>coordination of<br>scientific and<br>technological<br>efforts and<br>ensures that the<br>results there<br>from all geared<br>and utilized in<br>areas of<br>maximum<br>economic and<br>social benefits<br>for the people. | Career Guidance<br>Advocacy Program  |   | Reviewed and revised ARG<br>and WLMS design: More<br>streamline data logger and<br>design for combined unit<br>Accomplished purchase<br>requests for the necessary<br>materials and services<br>Assembled 100 ARG and<br>200 WLMS<br>Installed 3 ARG and 3<br>WLMS in CDO<br>Conducted IEC last<br>11/27/2012 in Region X<br>Met with Mindanao<br>Regional Cluster last<br>10/11/2012 for<br>sustainability discussions | Final design of<br>automated rain gauge<br>(ARG) and water level<br>monitoring sensors<br>(WLMS)<br>Assembled flood<br>monitoring devices<br>Calibrate flood<br>monitoring devices<br>Calibrate flood<br>monitoring devices<br>Installation of 600 ARG<br>and 400 WLMS<br>Secure SMS Load<br>Sustainability plan<br>IEC materials<br>Informed stakeholders<br>Archive<br>Hydrometeorological<br>Data<br>24/7 Uptime of<br>Visualization Tool<br>Education and trainings<br>for Cagayan de Oro, Ilog<br>Hilabangan, Panay,<br>Jalaur, Davao, Cagayan,<br>Bicol, and Ormoc river<br>basins in cooperation<br>with other proponent<br>projects of NOAH | The 8 major river basins<br>as well as the flood prone<br>areas as identified by the<br>DOST Regional Offices and<br>Project NOAH<br>Assembled 600 ARGs and<br>400WLS<br>A new datalogger was<br>designed and updated the<br>firmware.<br>Installed 600 units of<br>ARGs and 400 units of<br>ARGs and 400 units WLS<br>Procured necessary load<br>for data transmission<br>Included the sustainability<br>of the devices with<br>stakeholders as one of the<br>topics during the IEC<br>Technical support for<br>other NOAH Components<br>is up 24/7<br>Conducted IECs for the<br>following regions: CAR, I,<br>II, IV-A, V, VI, VIIII, X, XI<br>Real-time archiving of<br>Hydrometeorological data | 100%   |

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|   |   | PROGRAM/                    |  | OVERALL RESULTS  | ASSESSMENT  |            |
|   | PRI ORI TY PROGRAMS   | PROJECT BUDGET              |  | SERVICE/ PRODUC  | T RESULTS   |            |
| EPARTMENT OF<br>SCIENCE AND<br>TECHNOLOGY   |   | (FY 2013)<br>in Million PhP | FY 2012 ACTUAL<br>ACCOMPLISHMENTS  | FY 2013 TARGETS/<br>MILESTONES   | FY 2013 ACTUAL<br>ACCOMPLI SHMENTS  | RATING     |
|   |   |                             | Project 1: LIDAR and SAR [   | Data Acquisition   |   |            |
|   |   |                             | LIDAR Data Acquisition -<br>SAR data of 6 of 18<br>watersheds acquired                           | LIDAR Data Acquisition -<br>SAR data of 18 of 18<br>watersheds acquired                                      | Acquired LIDAR point<br>cloud data of 18 major<br>river floodplains<br>In terms of area:<br>Covered a total of<br>103,514sq. Km. river<br>basins by SAR |            |
|   |   |                             |  |  | Covered a total area of<br>30,069 sq. km. river<br>basins by LIDAR  | 100%       |
|   |   |                             |  | Recovery NAMRIA<br>benchmarks and ground<br>control points   | Recovered of NAMRIA<br>Benchmarks and Ground<br>Control points  |            |
|   |   |                             |  | Acquisitions of 1 point<br>per square meter or SAR<br>data in 21 watershed<br>areas                          | Acquired of 1 point per<br>square meter or SAR data<br>in 21 watershed areas  |            |
|   |   |                             | Project 2: LIDAR and SAR [   |  | ation   |            |
| DOST provides<br>entral direction,<br>leadership, and                               |   |                             | River profiling of 6 of 18 floodplains completed   | River profiling of 18 of 18 floodplains  | Completed River profile<br>(cross-section,<br>hydrometry, bathymetry,<br>profile)   | 100%       |
|   |   |                             | SAR data validation for 3<br>of 18 watersheds<br>conducted                                       | Recovery of 18 NAMRIA<br>Benchmarks and Ground<br>Control Points   | Recovery of 18 NAMRIA<br>Benchmarks and Ground<br>Control Points  |            |
| coordination of   |   |                             | Project 3: Digital Elevation   | Models and Salient Featur  | es for Flooding Modeling  |            |
| scientific and<br>technological<br>efforts and<br>ensures that the<br>results there | National DREAM<br>Program (3D LiDAR<br>Mapping)<br>Duration: December 20, 2011 -<br>December 31, 2013 |                             | High resolution flood<br>hazard maps 6 of 18<br>produced,  | High resolution flood<br>hazard maps 18 of 18<br>produced  | Produced Digital Elevation<br>Models (DTM/DSM) for the<br>18 flood plains and<br>extracted features   | 100%       |
| rom all geared<br>and utilized in<br>areas of                                       |   |                             | Project 4: Integrating High<br>Modelling   | Resolution Digital Elevation   | on Models (DEMs) into GIS-b   | ased Flood |
| maximum<br>economic and   |   |                             |  | Production of 22 flood simulation models using:  | Flood simulation models<br>produced:  |            |
| social benefits<br>for the people.  |   |                             | High resolution Digital  | 1. Hydrologic Modeling<br>System (HEC-HMS<br>Software)   | 1. 14 out of 22 HEC-HMS models  |            |
|   |   |                             | Elevation Models for<br>watershed (6 of 18) for<br>flood plain (3 of 18)                         | 2. River Analysis System<br>using (HEC-RAS   | 2. 8 out of 22 HEC-RAS models   | 63%        |
|   |   |                             | produced   | Software)<br>3. FLO 2D   | 3. 14 out of 22 FLO 2D models   |            |
|   |   |                             |  | 4. High resolution flood<br>hazard maps  | 4. 14 out of 22 flood<br>hazard maps  |            |
|   |   |                             | Project 5: Training for LIDA   | R Acquisition and Flood M  | odeling   |            |
|   |   |                             | IEC materials produced<br>(e.g. training manuals,<br>brochures, AVP, printed<br>maps)            | Consultation with<br>government, academe<br>and private sectors<br>conducted regarding<br>data access policy | DREAM Report to<br>Stakeholders and<br>Handover of Data to LGUs,<br>academe, researchers, 4th<br>QTR  |            |
|   |   |                             | Trainings conducted for<br>SUCs(3), LGUs (3), DREAM<br>personnel (11);<br>Researchers and GAs(5) | LGUs in Davao, Bulacan,<br>Pampanga, Pangasinan,   | LiDAR Products Training<br>and Handover of Data<br>Participated in the<br>National Science and<br>Technology Fair and<br>Exhibits                       | 100%       |
|   |   |                             |  | Tarlac, Cagayan de Oro,  | Preparation of Manuals  |            |

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|   |  | PROGRAM/                    |   | OVERALL RESULTS  | ASSESSMENT  |        |
| DEPARTMENT OF   | PRIORITY PROGRAMS  | PROJECT BUDGET              |   | SERVICE/ PRODUC  | T RESULTS   |        |
| SCIENCE AND<br>TECHNOLOGY   |  | (FY 2013)<br>in Million PhP | FY 2012 ACTUAL<br>ACCOMPLI SHMENTS  | FY 2013 TARGETS/<br>MILESTONES   | FY 2013 ACTUAL<br>ACCOMPLI SHMENTS  | RATING |
| DOST provides<br>central direction,<br>leadership, and<br>coordination of<br>scientific and<br>technological<br>efforts and<br>ensures that the<br>results there<br>from all geared<br>and utilized in<br>areas of<br>maximum<br>economic and<br>social benefits<br>for the people. |  |                             | Patrol mobile ap for<br>android   | Develop a web portal<br>and monthly bulletins<br>Television and radio<br>interviews  | Information, Education<br>and Communication<br>Metro Manila Disaster<br>Summit, 23 July 2012<br>NOAH Booth display<br>during the 2013 NSTW, 23-<br>27 July 2013                         |        |
|   |  |                             | Development of project<br>NOAH communication<br>resources: poster design,<br>brochures etc. | Technical assistance to<br>media/weather<br>reporters of various<br>television networks  | Prepared updated NOAH<br>accomplishments as per<br>direct instructions from<br>the OP Presidential<br>Management Staff, 22<br>July 2013   |        |
|   | Strategic Information<br>and Communication<br>Duration: June 15, 2012 -  |                             | Science for international development conference  | Communication<br>resources e.g. posters,<br>brochures, AVP, press<br>releases<br>Conducted   |   | 93.75% |
|   | June 14, 2014  |                             | 2012 National Convention<br>of the Liga ng mga<br>Barangat sa Plipinas                      | Seminars/Workshops/<br>Local Consultations (6 to<br>1st year)  |   |        |
|   |  |                             | DOST Initiative on DRRM<br>Climate Change<br>Commission workshop                            | <ul> <li>Local level DRRMCs</li> <li>Media</li> <li>DOSR ROs</li> <li>Local Officials (high<br/>level and operation</li> </ul>   |   |        |
|   |  |                             | Project NOAH IEC<br>advocacy workshop   | level)<br>Innumerable<br>presentations in both<br>local and foreign<br>consultations / seminars<br>/ workshops both for<br>public and private<br>sectors   |   |        |
|   | EnhancingPhilippine<br>Landslide Hazard Maps<br>with LI DAR and High<br>Resolution Imageries<br>Duration: May 16, 2013 - May<br>15, 2014 |                             | N/A   | Document general<br>geophysical profile of<br>provinces for 13 regions<br>-Landslide inventory<br>mapping<br>-Alluvial fan mapping<br>-Debris flow mapping<br>-Shallow landslide<br>mapping<br>-Deep-seated landslide<br>mapping | Review literature on:<br>-Landslide inventory<br>mapping<br>-Alluvial fan mapping<br>-Debris flow mapping<br>-Shallow landslide<br>mapping<br>-Deep-seated landslide<br>mapping         | 100%   |
|   | Dynaslope & Senslope<br>(Phase 2)<br>Duration: June 1, 2013 - May<br>31, 2015  |                             | N/A   | Refinement of previous<br>design of landslide<br>sensor  | Completed design<br>upgrades to the previous<br>system<br>Conducted initial tests for<br>accelerometers and soil<br>moisture sensors<br>Developed calibration<br>procedure for          |        |
|   |  |                             |   | Development of readout<br>devices for piezometer<br>systems with telemetry   | accelerometers<br>Completing the Design of<br>the Readout Device with<br>Telemetry  |        |
|   |  |                             |   | Manufacturing of refined<br>landslide sensor system<br>for 50 sites  | Prepared documents for<br>bidding of manufacturing<br>Engaging of<br>manufacturers to join the<br>bidding process   | 100%   |
|   |  |                             |   | Establish a critical<br>backend to store and<br>manage all the data<br>from sensors  | Data management and<br>storage done at Local<br>Servers located on the lab<br>Data from systemnow<br>accessible publicly in the<br>internet through initial<br>free web hosting service |        |

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|--|---|-----------------------------|------------------------------------|---|--|--------|
|  |   | PROGRAM/                    |                                    | OVERALL RESULTS /   |  |        |
| EPARTMENT OF   | PRI ORI TY PROGRAMS   | PROJECT BUDGET              |                                    | SERVICE/ PRODUC   | T RESULTS  |        |
| SCIENCE AND  |   | (FY 2013)<br>in Million PhP | FY 2012 ACTUAL<br>ACCOMPLI SHMENTS | FY 2013 TARGETS/<br>MILESTONES  | FY 2013 ACTUAL<br>ACCOMPLI SHMENTS   | RATING |
|  |   |                             | Monitoring and maintenance         | Continuous monitoring<br>and updates on Health<br>and data of the previously<br>deployed systems<br>Continuous<br>communication with the<br>local Landslide monitoring<br>Committee |  |        |
|  |   |                             |                                    | Site reconnaissance and<br>inspection of potential<br>sites in the Philippines  | 49 out of 30 sites visited<br>and inspected<br>6 out of 10 sites initially<br>recommended  | 100%   |
|  | Dynaslope & Senslope<br>(Phase 2)<br>Duration: June 1, 2013 - May<br>31, 2015   |                             |                                    | Data ganthering and collection  | Continuously collected<br>sensor data at 11 existing<br>sires from previous<br>program<br>Internal levelling off and   |        |
|  |   |                             |                                    |   | standardization of<br>mapping procedures<br>Dratting of protocol for<br>implementation and<br>validation of landslide<br>thresholds with LGUs and<br>communities   |        |
| OST provides<br>ntral direction,   |   |                             |                                    |   | Cosultation with<br>SENSLOPE project re:<br>design improvements for<br>sensors   |        |
| eadership, and<br>coordination of<br>scientific and<br>technological<br>efforts and<br>ensures that the<br>results there | Initiation of System to<br>Identify, Quantify and<br>Map the Storm Surge<br>Threat to Philippine<br>Coasts<br>Duration September 1, 2013 -<br>August 31, 2014 |                             | N/A                                | Refresher course on writing and communication   | Technical writing<br>Introduction and basic<br>Latex skills<br>Creating good<br>presentations  |        |
| obm all geared<br>nd utilized in<br>areas of<br>maximum<br>conomic and<br>ocial benefits<br>ir the people.               |   |                             |                                    | Collect existing<br>data/literature review  | Literature review<br>- Storm surge<br>- Storm surge in the<br>Philippines<br>- Conceptual Framework<br>- Parameters for storm<br>surge modeling<br>-Storm surge models<br>- Storms and coastal<br>change |        |
|  |   |                             |                                    |   | Data collected<br>-Parameter of storm surge<br>and inundation modeling<br>-Tide<br>-Storm surge timeline   | 100%   |
|  |   |                             |                                    | Storm surge modeling<br>-JMA Storm surge model<br>-Delf3D-Flow Model<br>-ADCIRC Model   | Tested for applicability   |        |
|  |   |                             |                                    | Field validation of<br>historical and storm<br>surge reports  | Preparation of field work<br>plan<br>26 priority sites identified  |        |
|  |   |                             |                                    | Cyclone simulations   | 98 typhoons simulated in<br>Metro Manila using JMA<br>Storm Surge Model  |        |
|  |   |                             |                                    | Initiate creation of<br>maximum inundation<br>maps using flood<br>modeling software for<br>different types of   | Preparation of GIS dataset   |        |

| PARTMENT OF<br>CIENCE AND<br>ECHNOLOGY  | PRI ORI TY PROGRAMS  | PROGRAM/<br>PROJECT BUDGET<br>(FY 2013)<br>in Million PhP | RT CARD (F       | OVERALL RESULTS A         SERVICE/ PRODUC         FY 2013 TARGETS/<br>MILESTONES         Download data to set<br>initial and boundar<br>conditions of WRF model         Run WRF model       Run sensitivity studies<br>and hindcast from<br>reanalysis data to<br>optimize parameter<br>configuration | T RESULTS<br>FY 2013 ACTUAL<br>ACCOMPLISHMENTS<br>Downloaded 7-day global<br>forecast at 0.5 degree (55<br>km) resolution; Has  | RATING |
|---|--|---|------------------|---|---|--------|
| CIENCE AND  | PRIORITY PROGRAMS  | (FY 2013)   | ACCOMPLI SHMENTS | FY 2013 TARGETS/<br>MILESTONES<br>Download data to set<br>initial and boundar<br>conditions of WRF model<br>Run WRF model<br>Run sensitivity studies<br>and hindcast from<br>reanalysis data to<br>optimize parameter   | FY 2013 ACTUAL<br>ACCOMPLISHMENTS   | RATING |
| CIENCE AND  |  |   | ACCOMPLI SHMENTS | MILESTONES Download data to set initial and boundar conditions of WRF model Run WRF model Run sensitivity studies and hindcast from reanalysis data to optimize parameter   | ACCOMPLISHMENTS Downloaded 7-day global forecast at 0.5 degree (55 km) resolution; Has working script for downloading MODIS data Run WRF model using PAGASA configuration More sensitivity runs are being done (Aug 8-16, 10- 18, 2013; Nov 1-11, 2013 at 6 different configurations All parameters in one file | RATING |
|   |  |   | N/A              | initial and boundar<br>conditions of WRF model<br>Run WRF model<br>Run sensitivity studies<br>and hindcast from<br>reanalysis data to<br>optimize parameter   | forecast at 0.5 degree (55<br>km) resolution; Has<br>working script for<br>downloading MODIS data<br>Run WRF model using<br>PAGASA configuration<br>More sensitivity runs are<br>being done (Aug 8-16, 10-<br>18, 2013; Nov 1-11, 2013<br>at 6 different<br>configurations<br>All parameters in one file        |        |
|   |  |   |                  | Run sensitivity studies<br>and hindcast from<br>reanalysis data to<br>optimize parameter  | PAGASA configuration<br>More sensitivity runs are<br>being done (Aug 8-16, 10-<br>18, 2013; Nov 1-11, 2013<br>at 6 different<br>configurations<br>All parameters in one file  |        |
|   |  |   |                  | and hindcast from<br>reanalysis data to<br>optimize parameter   | More sensitivity runs are<br>being done (Aug 8-16, 10-<br>18, 2013; Nov 1-11, 2013<br>at 6 different<br>configurations<br>All parameters in one file  |        |
|   |  |   |                  |   |   |        |
|   |  |   |                  |   | forecast;<br>Creation of maps for rainfall<br>and wind data;  |        |
|   |  |   |                  | Post-processing of model outputs  | Extraction of seven<br>parameters from the output;<br>Creation of file which can be   |        |
| OST provides  | Weather Information-<br>Integration for System<br>Enhancement (NOAH-<br>WI SE)<br>Duration: March 1, 2013 -<br>February 28, 2015 |   |                  |   | compared to AWS data;<br>Enhancement of analytics<br>using IBM Cognos Powerplay<br>to generate multi-dimensional<br>cubes, pre-formatted reports<br>and dashboards for<br>temperature, pressure, and<br>rain value.   |        |
| tral direction,<br>dership, and<br>ordination of<br>cientific and<br>echnological |  |   |                  | Design algorithm to<br>integrate model output<br>with climate X output  | Extracted data from all<br>available grid points of<br>WRF output (temperature<br>and rainfall)   |        |
| efforts and<br>sures that the<br>esults there<br>om all geared<br>and utilized in |  |   |                  | Run WRF-DA and process model outputs  | Several WRF runs with<br>data assimilation done<br>using MODIS at different<br>WRF-DA configurations  | 100%   |
| areas of<br>maximum<br>conomic and<br>ocial benefits<br>r the people.             |  |   |                  | Collect ground network<br>data from PAGASA's<br>weather stations Doppler<br>stations and other AWS  | AWS data collection and<br>conversion to little-r<br>format routinely being<br>done;<br>Doppler data in repo but<br>still needs to be decoded;  |        |
|   |  |   |                  |   | Synoptic data retrieved<br>from PAGASA.   |        |
|   |  |   |                  | Validate and calibrate<br>selected AWS to ensure<br>integrity of data   | Data quality control<br>conducted; threshold<br>values defined for various<br>parameters  |        |
|   |  |   |                  | Download and process<br>MODIS data from<br>PAGASA   | Extraction of brightness<br>temperature;<br>Creation of true color<br>images  |        |
|   |  |   |                  | Study forecast accuracy validation protocols  | Accuracy assessment<br>using IBM SPSS Modeler<br>to match observed data vs<br>forecast in progress;   |        |
|   |  |   |                  |   | Initial design for rainfall<br>validation being<br>implemented.   |        |
|   |  |   |                  | Explore the use of high<br>performance computing<br>and parallel<br>programming techniques<br>to improve the accuracy<br>and expand the horizon<br>of the weather and flood   | Arrival of Blue Gene/P<br>Supercomputers<br>Conducted training for<br>Applications Developer  |        |

|  | PRIORITY PROGRAM ACCOUNTABILITY<br>REPORT CARD (P <sup>P</sup> ARC) |                             |                                    |   |  |        |  |  |
|--|---|-----------------------------|------------------------------------|---|--|--------|--|--|
|  |   | PROGRAM/                    |                                    | OVERALL RESULTS   | ASSESSMENT   |        |  |  |
| EPARTMENT OF   | PRI ORI TY PROGRAMS   | PROJECT BUDGET              |                                    | SERVICE/ PRODUC   |  |        |  |  |
| SCIENCE AND<br>TECHNOLOGY  |   | (FY 2013)<br>in Million PhP | FY 2012 ACTUAL<br>ACCOMPLI SHMENTS | FY 2013 TARGETS/<br>MILESTONES  | FY 2013 ACTUAL<br>ACCOMPLI SHMENTS   | RATINO |  |  |
| DOST provides<br>central direction,<br>leadership, and<br>coordination of<br>scientific and<br>technological<br>efforts and<br>technological<br>efforts and<br>technological<br>ensures that the<br>results there<br>from all geared<br>and utilized in<br>areas of<br>maximum<br>economic and<br>social benefits<br>for the people. |   |                             | N/A                                | Web-based and mobile-<br>based platforms (mobile<br>apps) of<br>noah.dost.gov.ph  | Started the pre-<br>procurement process for<br>the Mobile Operational<br>Services for System<br>Enhancement (MOSES)<br>tablet kit  |        |  |  |
|  |   |                             |                                    | A central active<br>repository of hazards<br>and disaster-related<br>information in the form<br>of a disaster information<br>geodatabase system.                      | Finalization of the<br>Database Design for the<br>New Version of the NOAH<br>Website<br>Created initial mockup for<br>NOAH website version 2   |        |  |  |
|  |   |                             |                                    | Prototype I of Moses<br>Tablet developed and<br>launched. 70 units for<br>distribution in Metro<br>Manila preferably to<br>barangays and PAGASA<br>Regional Directors | Ongoing research and<br>development and started<br>development for version 2<br>of NOAH website:<br>- Openlayers 2 / 3 usage<br>and implementation<br>- Geoext2 / Ext4js<br>- Geoserver development<br>- Sphinx documentation<br>software<br>-Twitter Bootstrap  |        |  |  |
|  | Disaster Management   |                             |                                    | Geospatial Analysis   | Proposed final Noah 2.0 layout<br>and mock up<br>- Started making the Noah 2.0<br>website (static only)<br>- Design and enhance<br>architecture for NOAH 2.0<br>website<br>- Made the database for NOAH<br>2.0 website designed by GIS<br>- Updated prototype website<br>for landslides data:<br>- debris flow hazard maps<br>- landslide inventory map<br>- alluvial fan maps<br>- stability index maps   |        |  |  |
|  | using Web-GIS<br>Duration: May 16, 2013 - May<br>15, 2014           |                             |                                    |   | Updated prototype website for<br>storm surge data:<br>- historical storm surge<br>simulations<br>- PhilRSS look (in progress<br>since additional content<br>to be discussed)<br>- Added spam check<br>Akismet plugin to monitor<br>comments; comments are<br>now collected before<br>approval and display on<br>the page (but not<br>foolproof yet, some<br>comments need<br>manual intervention)<br>- Removed uploader /<br>Author info on articles<br>since it conflicts with<br>the info on the actual<br>writer/owner of the | 100%   |  |  |
|  |   |                             |                                    |   | articles<br>Ongoing maintenance on<br>project NOAH blog in<br>assistance with the activities<br>of the NOAH WebGIS info<br>officers:<br>- Temporarily disabled<br>access to blog for a short<br>period due to security<br>issue<br>- Uploaded an article on<br>the blog on Storm surge<br>(ANC interview)  |        |  |  |
|  |   |                             |                                    |   | Assisted in table data<br>organization for Info officers<br>data<br>- Created new page on NOAH<br>blog for Open File Reports<br>- Set up the Storm Surge<br>website (http://stormsurge.<br>noahsark.webfactional.com)<br>with Marc Tabla<br>- Set up load balancer<br>(Varnish) for the website<br>- Added storm surge<br>prediction to NOAH and storm<br>surge website<br>- Add location to 4 day<br>weather forecast   |        |  |  |

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|--|---|-----------------------------|---|--|---|--------|
|  |   |                             | RT CARD (P  | OVERALL RESULTS  | ASSESSMENT  |        |
|  |   | PROJECT BUDGET              |   | SERVICE/ PRODUC  |   |        |
| DEPARTMENT OF<br>SCIENCE AND<br>TECHNOLOGY   | PRIORITY PROGRAMS   | (FY 2013)<br>in Million PhP | FY 2012 ACTUAL<br>ACCOMPLI SHMENTS  | FY 2013 TARGETS/<br>MILESTONES   | FY 2013 ACTUAL<br>ACCOMPLI SHMENTS  | RATING |
| DOST provides<br>central direction,<br>leadership, and<br>coordination of<br>scientific and<br>technological<br>efforts and<br>ensures that the<br>results there<br>from all geared<br>and utilized in | Disaster Management<br>using Web-GI S<br>Duration: May 16, 2013 - May<br>15, 2014   |                             |   |  | Collection of GIS Datasets<br>from various Project NOAH<br>Components<br>- Collection of Barangay Base<br>Maps(and Indicative Worst<br>Case Flood Heights) from 251<br>barangays in Bulacan and<br>Pampanga<br>- Production of Maps<br>- Participation in Bohol<br>Earthquake Assessment<br>Mapping by Project NOAH<br>- Accuracy Assessment of<br>Doppler Radar and Automated<br>Rain Gauges/Automated<br>Rain Gauges/Automated<br>Rain Gauges/Automated<br>Rainfall contours during<br>Habagat August 2013<br>Generation of accumulated<br>Rainfall contours during<br>Habagat August 2013<br>- Monitoring for Typhoon<br>Santi, Wilma and Zoraida<br>- Monitoring for typhoon<br>Yolanda<br>- Developed software and<br>training modules<br>- Conducted and attended | 100%   |
|  | Development of Hybrid   |                             | Delivered all components<br>for satellite communication<br>capability of the AWS unit   | Complete the installation<br>of AWS<br>Conduct information and<br>education campaign<br>(IEC) orientation, and<br>workshops to<br>stakeholders | Kalayaan - February 8-12,<br>2013<br>Coordination with the<br>LGUs<br>IEC conducted in the ff<br>provinces:<br>-Pagadian City<br>-Bayog, Zamboanga del<br>Sur   |        |
| areas of<br>maximum<br>economic and<br>social benefits<br>for the people.  |   |                             | Deployed 66 Broadband<br>Global Area Network<br>(BGAN) units to PAGASA<br>Station   | Preparation of IEC<br>materials  | -Coron<br>Continue preparation of<br>IEC materials such as<br>pamphlets, posters<br>brochures, CDS, etc.  |        |
|  | Weather Monitoring<br>System and Production<br>of Weather and Rain<br>Automated Stations<br>(AWS)<br>Duration: January 1, 2012 -<br>December 31, 2013 |                             | Conducted AWS and ARG<br>maintenance in the<br>following localities: Davao<br>City: Infanta, Quezon;<br>Bacolod City; Iloilo;<br>Dumarao, Capiz; Aklan;<br>Bataan | Calibrations of AWS and ARG  | Conducted training/<br>seminar on calibration of<br>instruments AWS   | 100%   |
|  |   |                             | Deployed 78 AWS and 92<br>ARGs  | To ensure sustainability<br>of the operations of the<br>deployed AWSs and<br>ARGs need to come up<br>with sustainability plan                  | Conduct meeting on the preparation of plan.   |        |
|  |   |                             | Finalized AWS and ARG users manual  |  |   |        |
|  |   |                             | Developed visualization<br>tool (http://weather.asti.<br>dost.gov.ph/)  |  |   |        |
|  |   |                             | Participated in the 33rd<br>APAN Meeting and the<br>NSTW 2012   |  |   |        |
|  |   |                             | Conducted meetings on<br>the preparation of<br>sustainability plan  |  |   |        |