

*Twenty-first Session of the Asia-Pacific Regional Space Agency Forum (APRSAF-21)*

***SAFE (Space Applications For Environment)***

***Proposed Outline***

**1. The Scope/Objectives of SAFE activities**

SAFE (Space Applications For Environment) is a voluntary initiative for environmental monitoring, endorsed at APRSAF-15.

This session aims to report the current activities of SAFE, including the discussion of the SAWG.

1) SAFE Workshop

SAFE workshop will be held on Day-0 of SAWG, on 1 December 2014. New proposal of SAFE prototype will be presented, reviewed by SAFE review board members and discussed to launch by participants of SAFE workshop. Toward this SAFE workshop, call for proposals was announced especially focusing three social benefit areas; Water Management, Agriculture and Forest Monitoring. SAFE executors are going to report on the status of on-going prototype activities and the result of prototyping, which will be finishing at the APRSAF-21.

2) SAFE Initiative Report in SAWG

The SAFE secretariat is going to report on current SAFE updates on Day 1 of SAWG; on 2 December 2014, in particular, new SAFE prototype activities, ongoing SAFE prototype activities and some instances of success stories. The SAFE secretariat will ask participants of the SAWG to discuss the promotion of SAFE as an initiative and the value of prototyping results to participate entities through knowledge transfer and capacity building.

3) Announcement of the 7th SAFE Workshop

The SAFE secretariat will announce the next SAFE Workshop.

**2. The result of SAFE activities in APRSAF-20**

See attached:APRSAF-20 adopted recommendations.

### **3. The Draft of the Agenda**

[SAFE Workshop]

- 1) Review of the 6<sup>th</sup> SAFE Workshop Outcomes
- 2) Presentation on new prototype proposals
- 3) Report from On-going Prototypes
  - a. Rice Crop Monitoring in the Mekong Delta, Vietnam (Vietnam)
  - b. SAR Technology Application for Paddy Crop Monitoring in Central Area of Paddy Production, in Indonesia (Indonesia)
  - c. Monitoring of Agricultural Land Abandonment Using Remote Sensing (Malaysia)
  - d. Assessment and evaluation of erosion and sedimentation on the coast from Hai Phong to Thanh Hoa province, in Vietnam (Vietnam)
  - e. Utilizing satellite data, numerical rainfall forecasts, combining with ground observations in flood forecasting for the Thai Binh river system (Vietnam)
- 4) Report from Completed Prototypes
  - a. Investigation of sedimentation process and stability of the area around the cross-dams in Meghna estuary (Bangladesh)
  - b. The assessment of Mangrove Forest Carbon Stock Monitoring of Indonesia using Remote Sensing Approach (Indonesia)
- 5) Review Board Meeting Report

[SAFE Initiative Report in SAWG]

- 1) Update of SAFE initiative including 6<sup>th</sup> SAFE Workshop and the previous day
- 2) Report of On-going prototypes
- 3) Report of Completed prototypes
- 4) Brief of New Proposal
- 5) Results of Review Board meeting

[SAFE Initiative Report in Plenary Session]

- 1) Summary of the 6<sup>th</sup> SAFE Work Shop
- 2) Report of the result on the workshop in APRSAF-21
- 3) Announcement of the Next workshop