The 22\textsuperscript{nd} Session of the Asia-Pacific Regional Space Agency Forum (APRSAF-22)

Space Applications For Environment (SAFE)

Concept Note

1. **Scope and 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 on the current activities of SAFE, including discussion of the SAWG.

1) **SAFE Workshop**

The SAFE workshop will be held on Day 0 of SAWG (30 November 2015). During this workshop, existing SAFE prototype leads will report on the status of their prototype activities and the result of their prototyping efforts, which will be completed at APRSAF-22. New proposals will be presented, discussed by participants, and reviewed by review-board members for potential launch of a new SAFE prototype.

2) **SAFE Initiative Report in SAWG**

The SAFE secretariat will report on current SAFE updates on Day 1 of SAWG (1 December 2015); in particular, on ongoing SAFE prototype activities, new SAFE prototype activities, and some instances of success stories. The SAFE secretariat will ask participants in the SAWG to discuss the promotion of SAFE as an initiative and the value of prototyping results to participating entities through knowledge transfer and capacity-building.

3) **Announcement of the next SAFE Workshop**

The SAFE secretariat will announce the next SAFE Workshop.

2. **Results of SAFE Activities at APRSAF-21**

See attached: Recommendations adopted at APRSAF-21.

3. **Draft Agenda**

[SAFE Workshop]

1) Review of the 7\textsuperscript{th} SAFE Workshop outcomes
2) Presentation on new prototype proposals
3) Reports from ongoing prototypes
   a. Deploying GSMaP for decision support in transboundary catchments in the Lower Mekong Basin (Mekong River Commission)
   b. Efficient oil-palm management prototyping using 3D GIS (Malaysia)

4) Reports from completed prototypes
   a. SAR technology application for paddy-crop monitoring in central areas of paddy production in Indonesia (Indonesia)
   b. Rice-crop monitoring in the Mekong Delta, Vietnam (Vietnam)
   c. Assessment and evaluation of erosion and sedimentation on the coast from Hai Phong to the Thanh Hoa Province in Vietnam (Vietnam)
   d. Utilizing satellite data and numerical rainfall forecasts in combination with ground observations in flood forecasting for the Thai Binh River system (Vietnam)

5) Review Board meeting report

[SAFE Initiative Report in SAWG]
1) Update on SAFE initiative including the 7th SAFE Workshop and the Workshop in the previous day
2) Reports on ongoing prototypes
3) Reports on completed prototypes
4) Brief about new proposal
5) Results of Review Board meeting

[SAFE Initiative Report in Plenary Session]
1) Summary of the 7th SAFE Workshop
2) Report on results from the APRSAF-22 Workshop
3) Announcement of the next workshop