

2013/SOM1/EPWG/008a

Agenda Item: 8.1.2

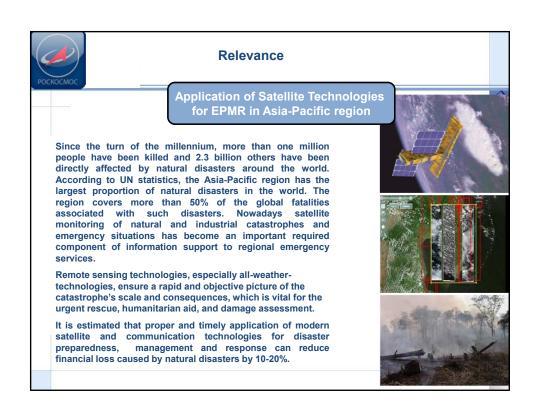
Workshop on Application of Satellite Technologies for Emergencies Preparedness, Management and Response in Asia-Pacific Region - Presentation

Purpose: Information Submitted by: Russia



4th Emergency Preparedness Working Group Meeting Jakarta, Indonesia 2-3 February 2013







Project Aims

Application of Satellite Technologies for EPMR in Asia-Pacific region

The project is targeted at increasing emergency preparedness of APEC economies, at proper application of innovative satellite and communication technologies, at better awareness and faster actual satellite data delivery, at development of international cooperation for Emergencies Preparedness, Management and Response (EPMR). The objective of the project is to organize and hold a Workshop «Application of Satellite Technologies for EPMR in Asia-Pacific Region». The Workshop will be organized by Russian Federal Space Agency and EMERCOM Russia and focus on the following issues:

- Specific character of satellite technologies application for different types of emergencies (earthquakes, floods, wildfires, drought, sea surface oil pollution, etc.) in APEC region;
- (2) Modern and prospective satellite systems (high resolution radars, small satellite constellations, etc.) and it's application for EPMR – expectations and trends;
- (3) Development of international cooperation and mechanisms of fast remote sensing data delivery for EPMR.









Project Objectives

Application of Satellite Technologies for EPMR in Asia-Pacific region

APEC economies have diverse experience in the application of modern satellite and communication technologies for EPMR. The objective of the workshop is to exchange best practices and expertise in order to increase the level of APEC economies competence. A significant portion of the workshop will be a discussion between end-users of satellite data (disaster managers) and satellite designers and operators on their requirements and trends. Their views will assist in influencing the development of future "emergency" satellites which better corresponded to EP requirements. The workshop will target specific objectives to ensure that participants will:

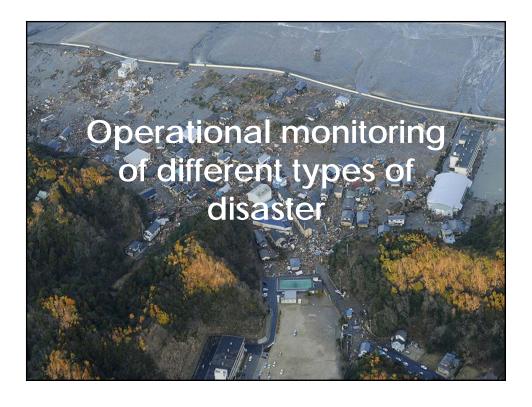
- 1) share regional and international experience and upgrade practical skills and knowledge on application of satellite and communication technologies for EPMR;
- 2) enhance understanding of modern satellite systems (high resolution radars, small satellite constellations, etc.), it's capabilities, limitations and development trends applied for EPMR;
- enhance understanding of functioning of international mechanisms on remote sensing data acquisition and its urgent distribution in case of emergency;
- 3)elaborate recommendations:
 - for future steps directed to support application of satellite technologies for EPMR in region;
 - for EPWG on how to further operate information exchange.

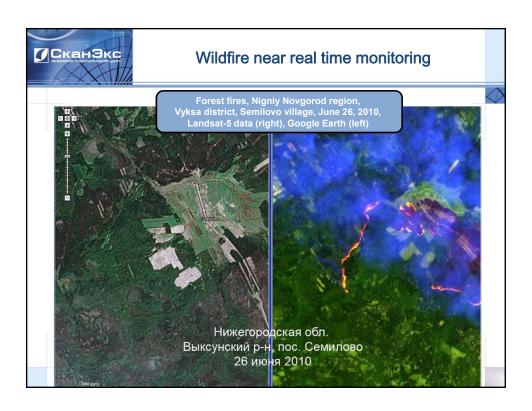


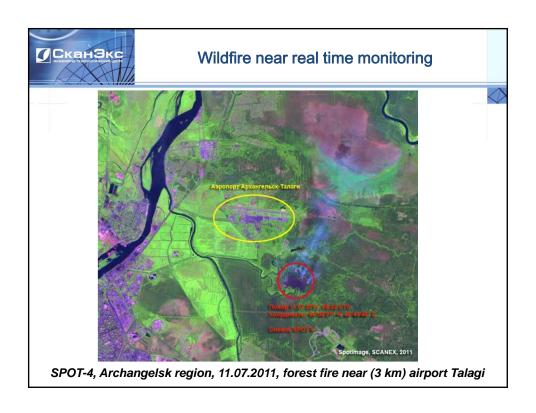


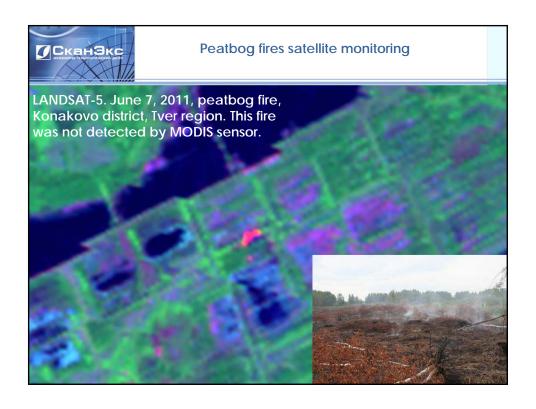


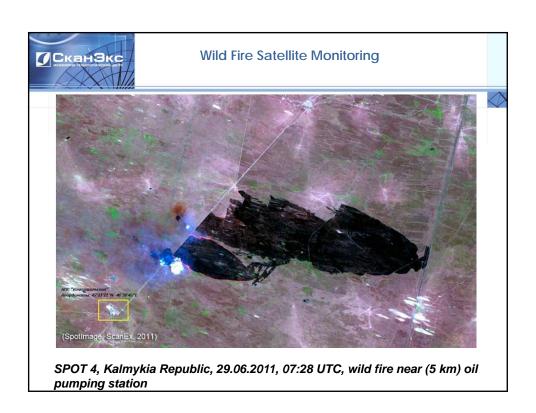


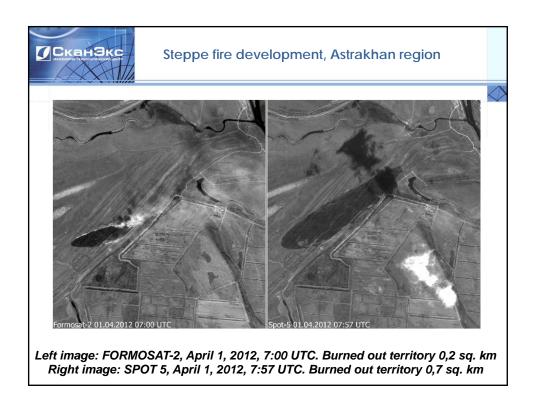


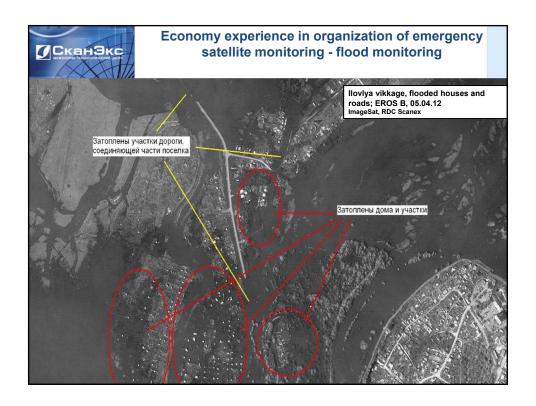


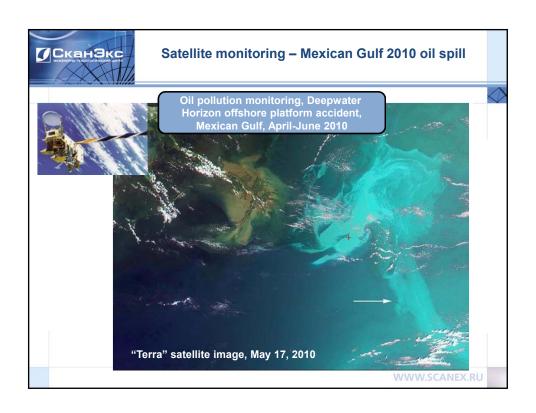


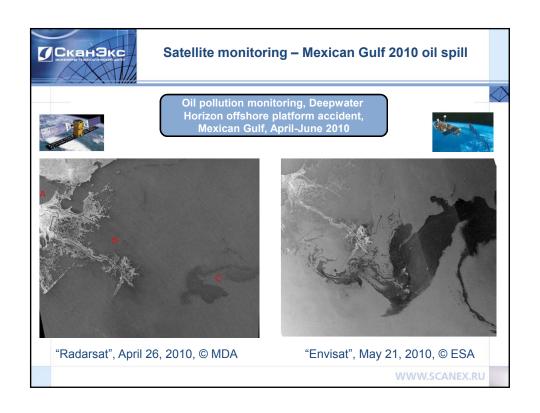


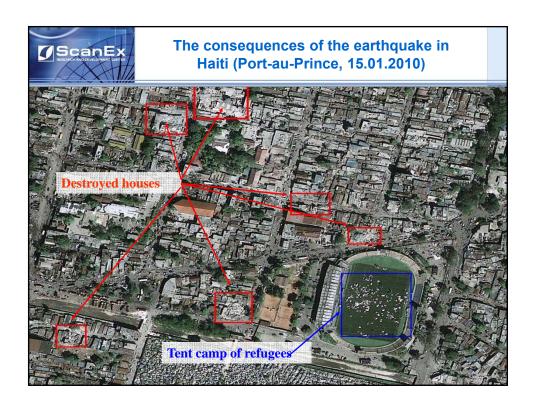


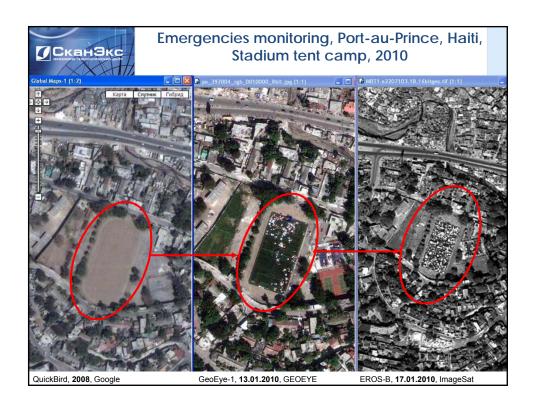


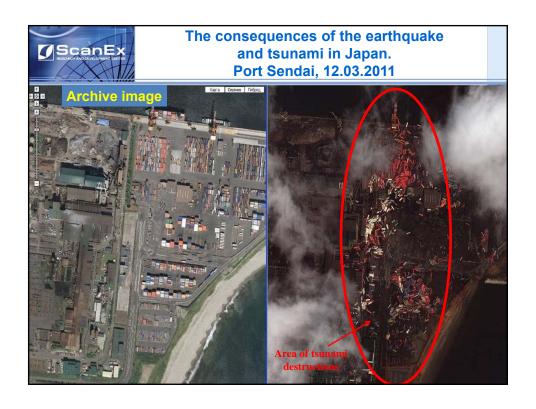


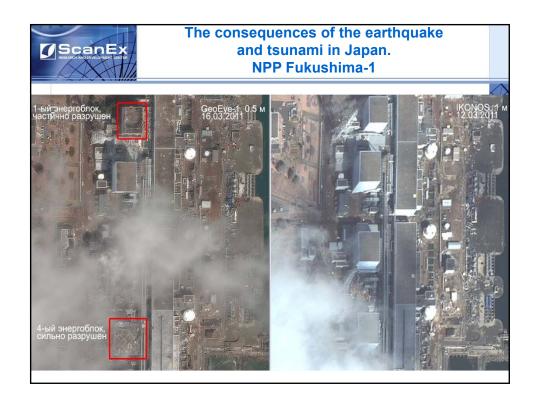


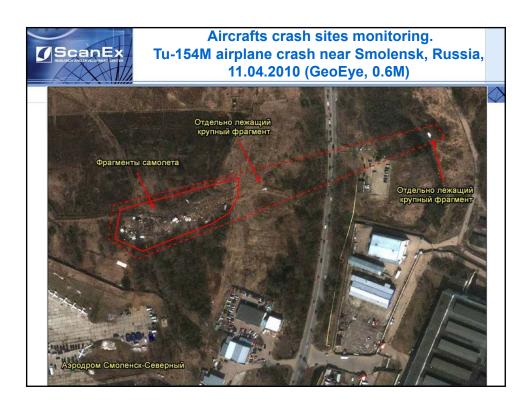


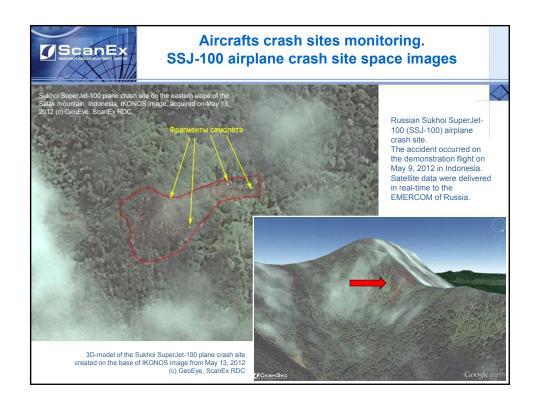
















Workshop Tentative Agenda

Keynote lecture:

Application of Satellite and Communication Technologies for EPMR in the Asia-Pacific region. (Invited speaker – TBC)

Plenary Sessions:

- Regional and international experience in application of satellite and communication technologies for EPMR
- Specific characteristics of satellite technologies application for different types of emergencies (earthquakes, floods, wildfires, drought, sea surface oil pollution, etc.) in APEC region
- Modern and prospective satellite systems and it's application for EPMR expectations and new trends
- International cooperation and mechanisms of fast remote sensing data delivery for EPMR
- · Crisis management centers regional network development

Breakout sessions:

Application of satellite technologies for different types of emergencies (earthquakes, floods, wildfires, drought, etc)

Future development of satellite technologies and end users requirements for acquired data (sessions' facilitators – representatives of satellite operators – SPOT, MDA, Digital Globe, ImageSat, etc)

Satellite Operators and/or Emergencies Agencies Master Classes



Workshop Preparation – Questions for EP WG

Workshop is suggested to be held on the margins of the Seventh APEC Senior Disaster Management Officials Forum (Indonesia, August 25-30, 2013) to get better participation by group members.

Questions:

- Suggested dates of workshop August 23-24 or August 30-31 or August 31 September 1 ?
- Exact location (place, venue) ?
- Additional topics for Agenda (plenary sessions, breakout discussions, master classes) ?
- Suggestions regarding invitation of non-member participants ?
- Idea(s) regarding field tour ?
- Primary contact person in host economy for assistance in workshop arrangement ?



Roscosmos Project Activity in APEC

Nº	Year	APEC WG	Project name	Status
1	2011	F / OF	Seminar on Satellite Data Application for Sustainable Fishery Support in APEC	Completed
2	2012	IST	APEC Network Building – Applied Space Technology Centers	Ongoing
3	2013	EP	Application of Satellite Technologies for Emergencies Preparedness, Management and Response in Asia-Pacific Region	Approved

