



Report of the 2nd Asia Oceania Regional Workshop on GNSS

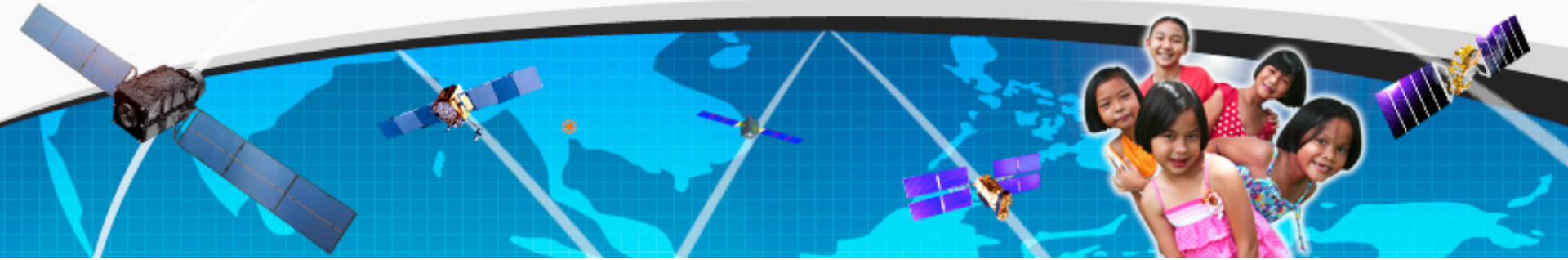
November 26, 2010

APRSAF17

Hiroaki Tateshita

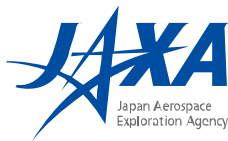
Japan Aerospace Exploration Agency

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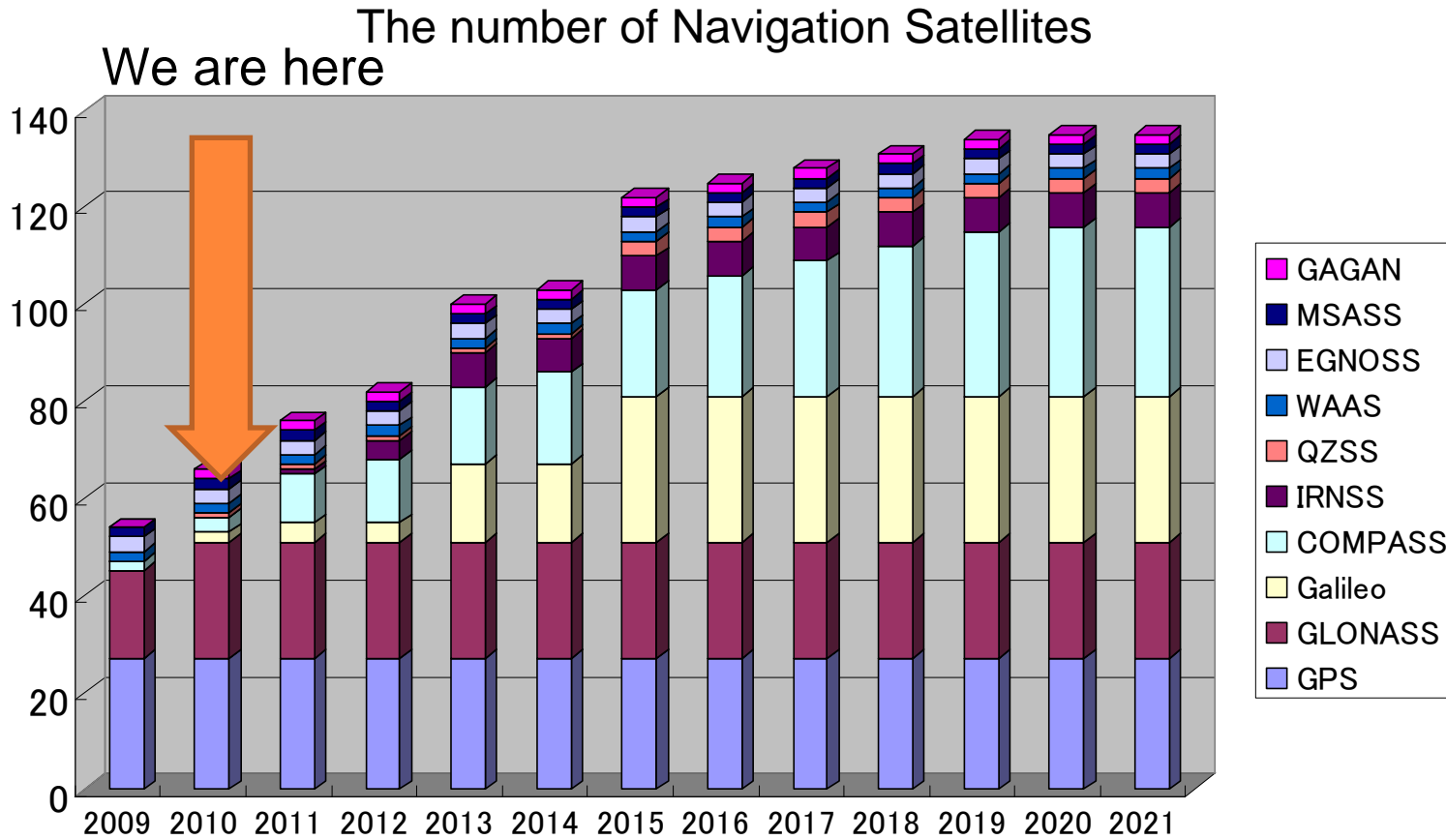
“Asia Oceania Multi-GNSS Demonstration Campaign” was established in the second Asia Oceania Regional Workshop on GNSS.

The Second Asia Oceania Regional Workshop on GNSS
- Asia Oceania is the “Showcase of New GNSS Era”-



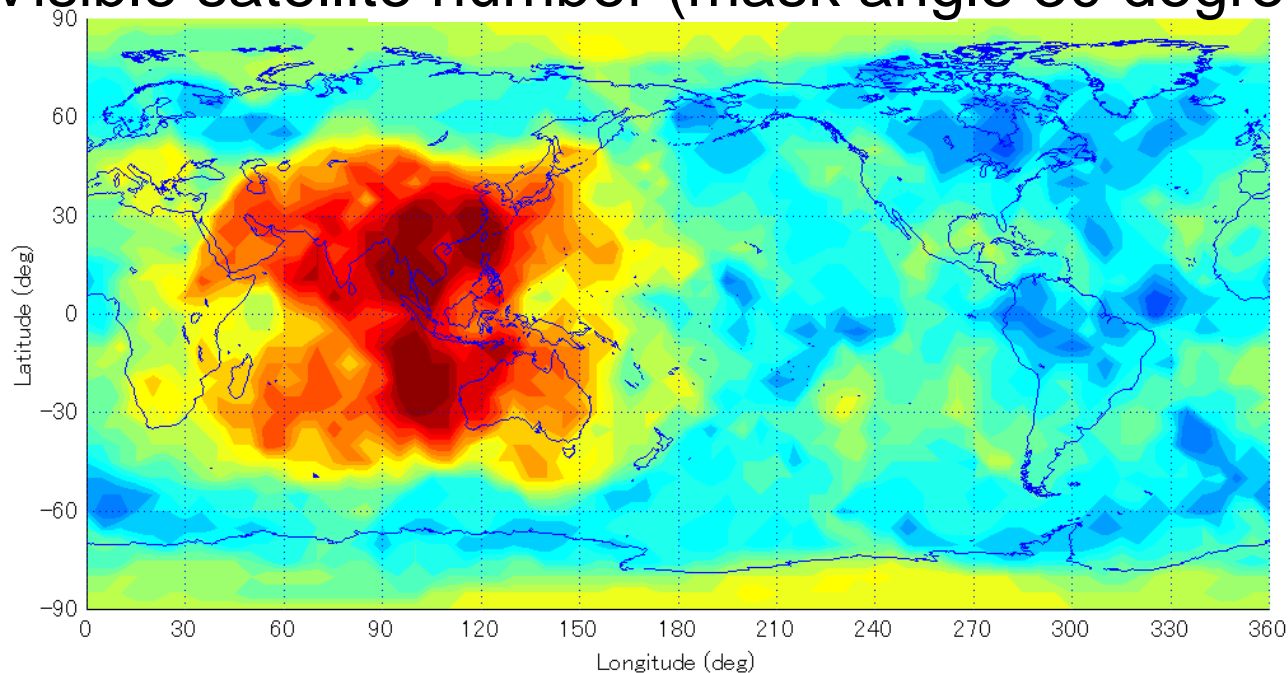
21-22 November 2010, Melbourne, Australia

BACKGROUND - MULTI GNSS ERA-



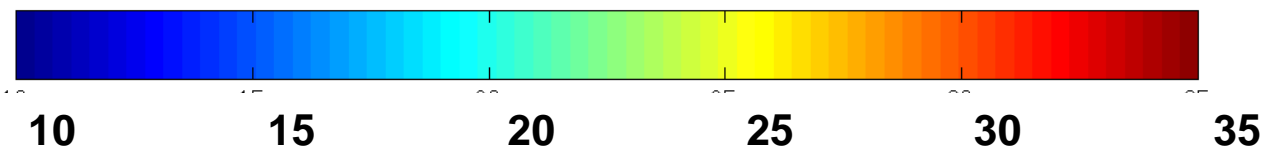
BACKGROUND

Visible satellite number (mask angle 30 degrees)



2020:

GPS(27)+Glonass(24)+Galileo(30)+COMPASS(35)+IRNSS(7)+QZSS(3)+SBAS(7)

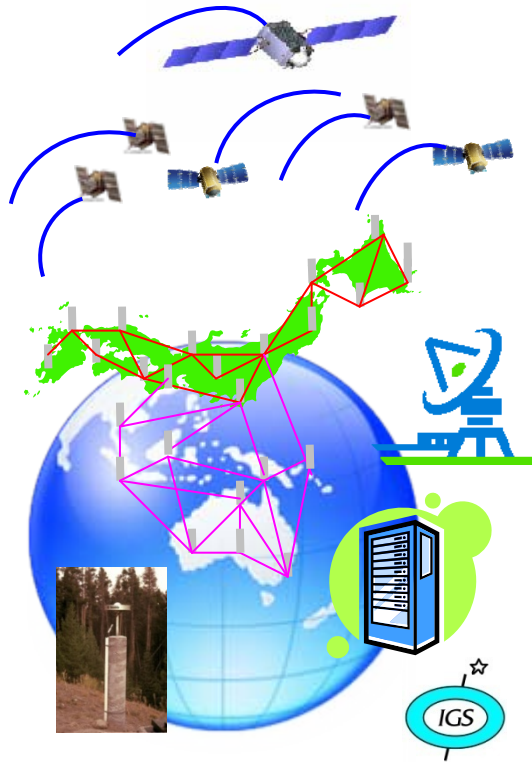


Multi-GNSS Demonstration Campaign

A SERIES OF ACTIVITIES FOR FIVE YEARS FROM 2010



Monitoring Network

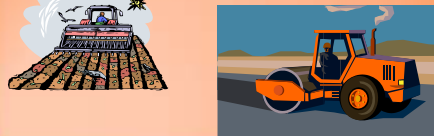


Application Demonstration

Disaster Mitigation



Precise Positioning



ITS, Mapping, LBS



Other, ionospheric observation etc

Regional Workshop

1st Workshop, 25-26 JAN, 2010, @Bangkok



195 Participants, 18 Countries, 95 Organizations

2nd is 21,22 Nov. 2010 @ Melbourne, Australia





THE 2ND ASIA OCEANIA REGIONAL WORKSHOP ON GNSS

- Was held on November 21-22, 2010 at RMIT University in Melbourne, Australia
- hosted by Satellite Positioning research and Application Center (SPAC), Japan Aerospace Exploration Agency (JAXA) and International Global Navigation Satellite Systems Society (IGNSS)
- and supported by United Nations International Committee on GNSS (UN ICG) and International Global Navigation Satellite Systems Service (IGS)
- 101 participants from 67 organizations including GNSS providers, universities, related research institutes and agencies gathered from 11 countries.

GROUP DISCUSSION

- Four groups were formed depending on applications category
 - A) Multi-GNSS network establishment
 - B) Precise Positioning (Agriculture, Construction, etc)
 - C) Disaster Mitigation and management
 - D) ITS, Mapping and Location Based Service
- Summary of discussion was reported by moderators.
 - Specific plan of Multi-GNSS monitoring network establishment
 - Proposals of field experiment for basic data related to improvement and limitation by multi GNSS
 - Australian current GNSS applications such as mining, agriculture, Transportation and construction



CONCLUSION OF THE WORKSHOP

- Proposed “Asia Oceania Multi-GNSS Demonstration Campaign” was established in the second Asia Oceania Regional Workshop on GNSS.
 - Ready to start the campaign:
 - According to the result of group discussion, some joint demonstrations are ready to start
 - Multi-GNSS receiver is going to be available for multi-GNSS application demonstration very soon
 - Co-chair of the workshop ask participants to join the Campaign and keep discussing for Multi-GNSS monitoring network establishment and the joint collaboration in the region.

NEXT STEP

- Four groups are going to keep discussing the joint collaborations in 2010 - 2011.
- Term Of Reference (TOR) and template of Agreement for specific joint collaborations will be prepared until 2011 Sep.
- Multi-GNSS monitoring network establishment will start from the first half of 2011
- Multi-GNSS application demonstrations will be selected in 2011 and start as soon as possible
- 3rd Asia Oceania Regional Workshop on GNSS will be held in 2011.



Thanks a lot for your attention.