

# Towards Creation of Space Policy Community in Asia-Pacific Region

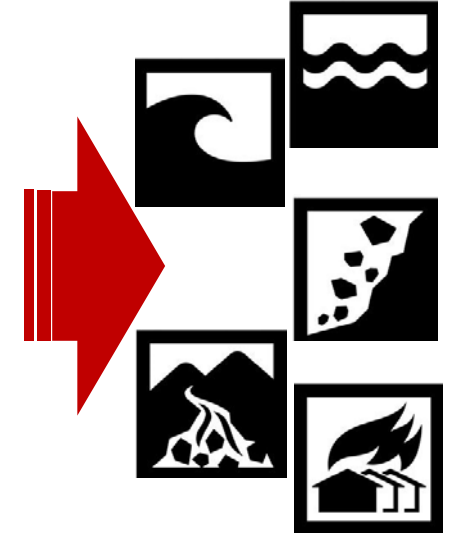
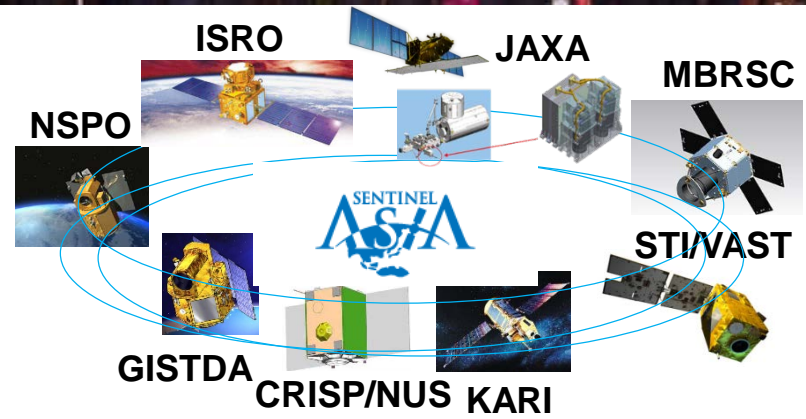
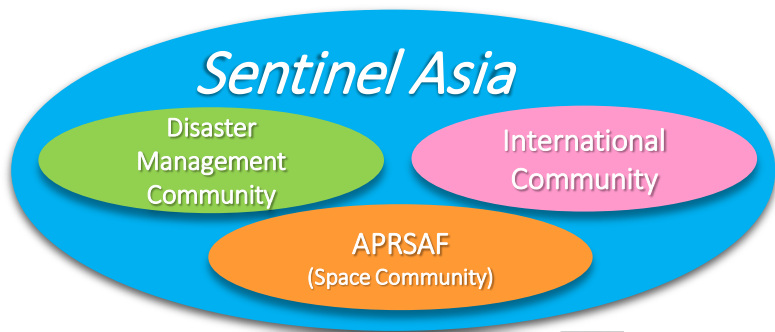
**Akira KOSAKA**  
**APRSAF Executive Secretary**

# 1. Asia-Pacific Regional Space Agency Forum



APRSAF-24  
@Bengaluru, India

An unique and largest forum in the Asia-Pacific region established in 1993 to enhance space activities and space applications for socio-economic development in the region.



Asian Try Zero-G

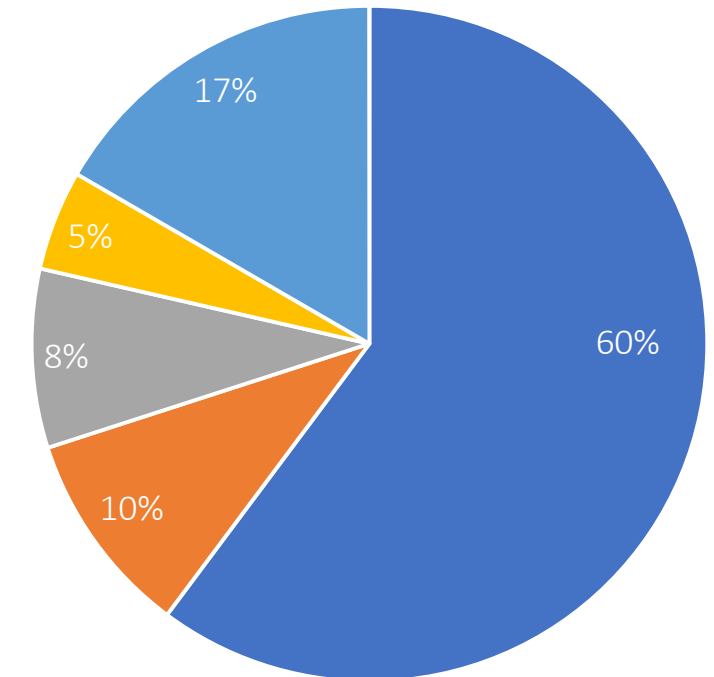


## 2. Overview of Asia-Pacific Region

- 60% of the world's population
- Diverse topographies, climates and the people



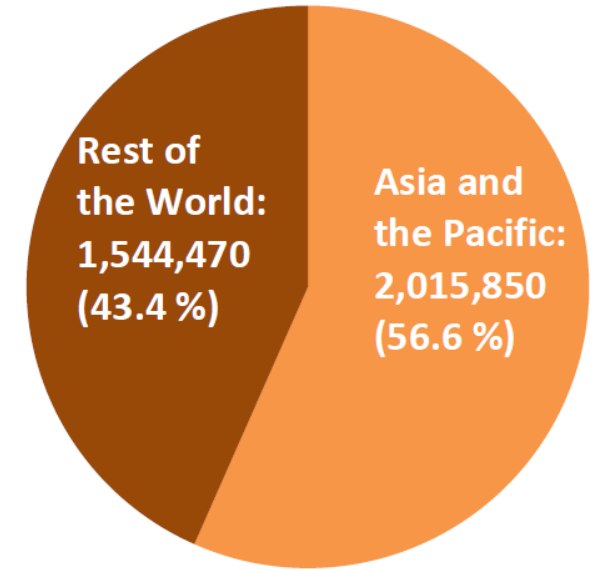
World population by region in 2017



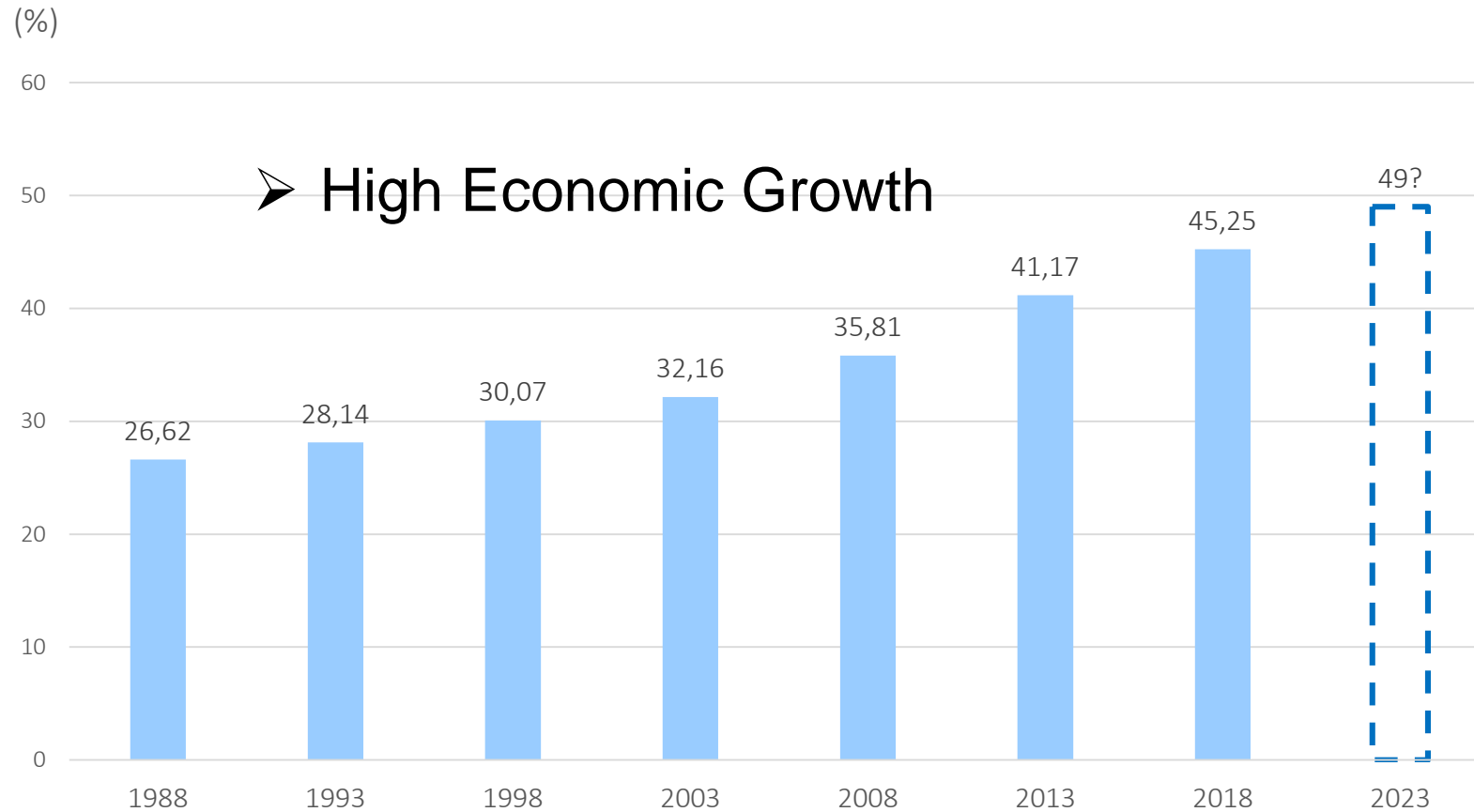
- Asia and Oceania
- Europe
- Latin America and the Caribbean
- North America
- Africa

## 2. Overview of Asia-Pacific Region

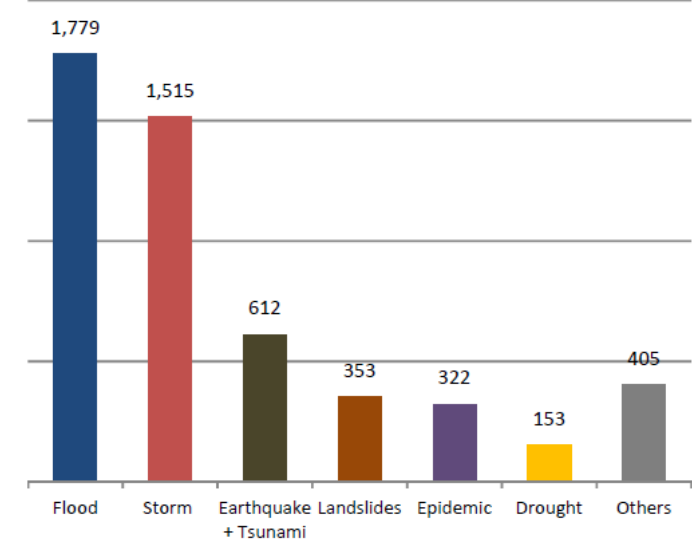
Total Fatalities from Natural Disasters (1970-2014)



Ratio of the Asia-Pacific GDP in the world (1988-2023)



Occurrences of Natural Disaster Events in Asia-Pacific (1970-2014)



Source: [http://www.imf.org/external/datamapper/PPPSH@WEO/OEMDC/ADVEC/WEO\\_WORLD/APQ](http://www.imf.org/external/datamapper/PPPSH@WEO/OEMDC/ADVEC/WEO_WORLD/APQ)

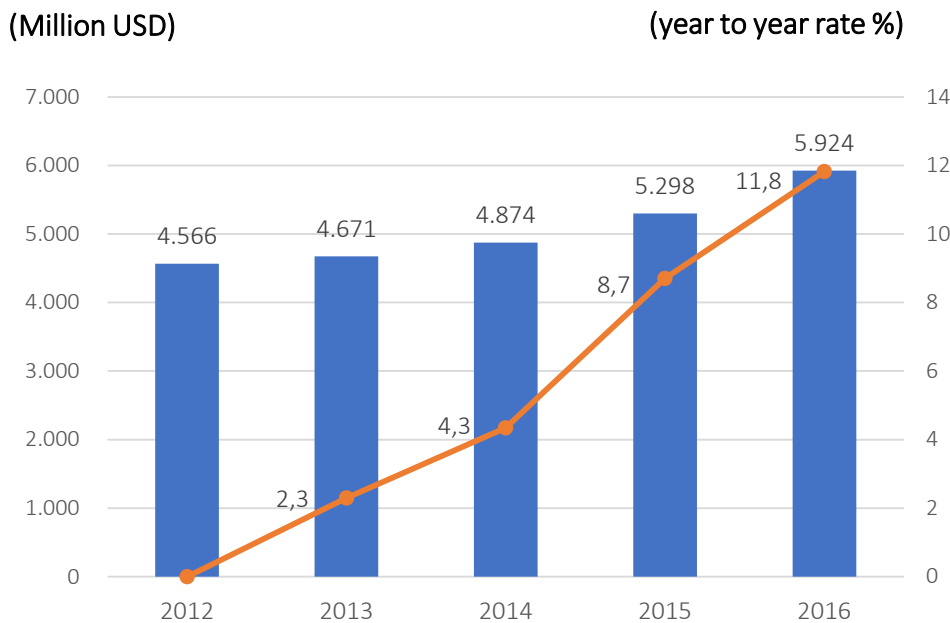
Ref: ESCAP overview of natural disasters and their impacts in Asia and the Pacific 1970-2014, Photos © ESCAP



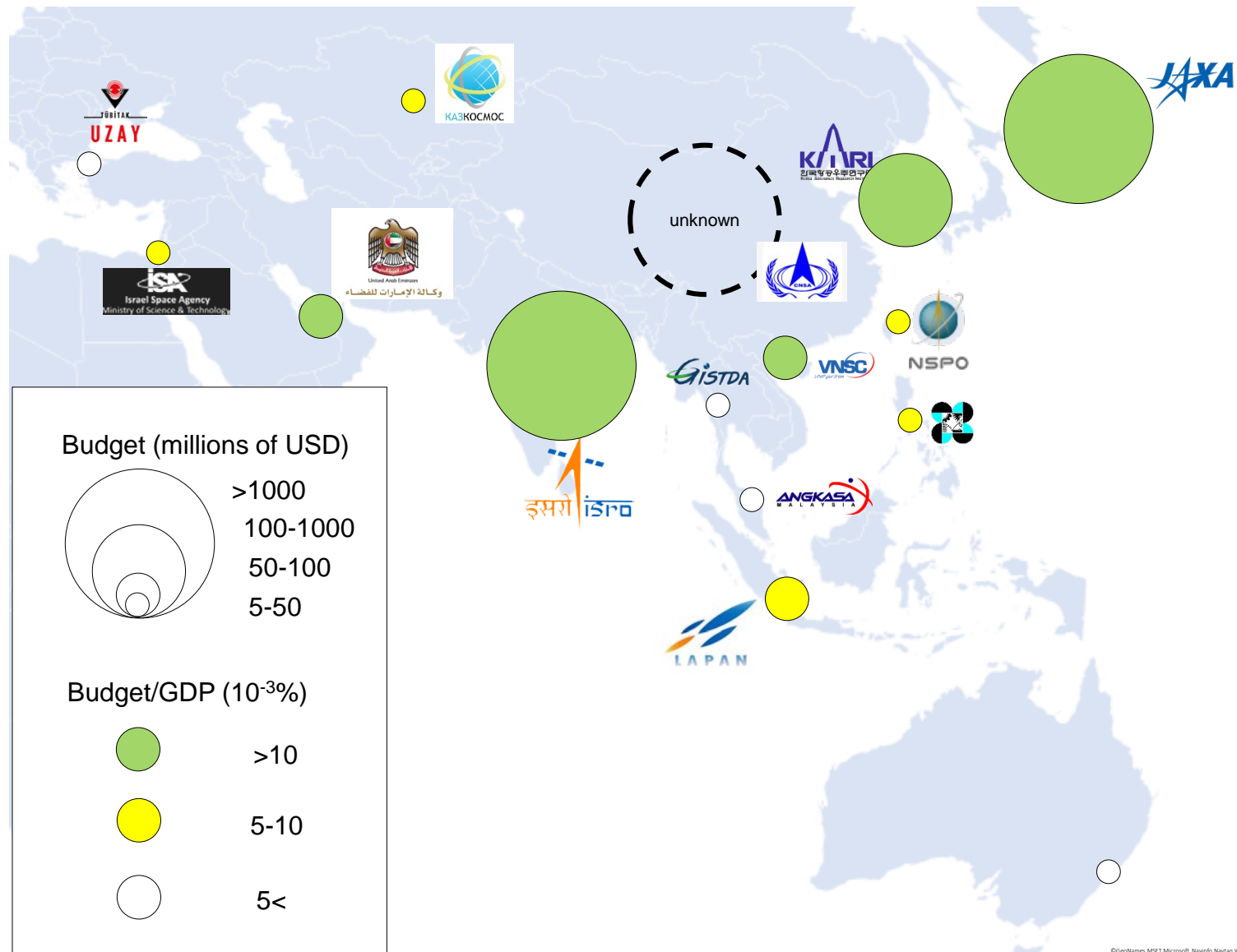
# 3. Increased Space Activities in Asia-Pacific Region

## Budget of Space Agencies

The total of Space Budget in India, Indonesia, Korea, Malaysia, Philippines, Singapore, Thailand and Vietnam



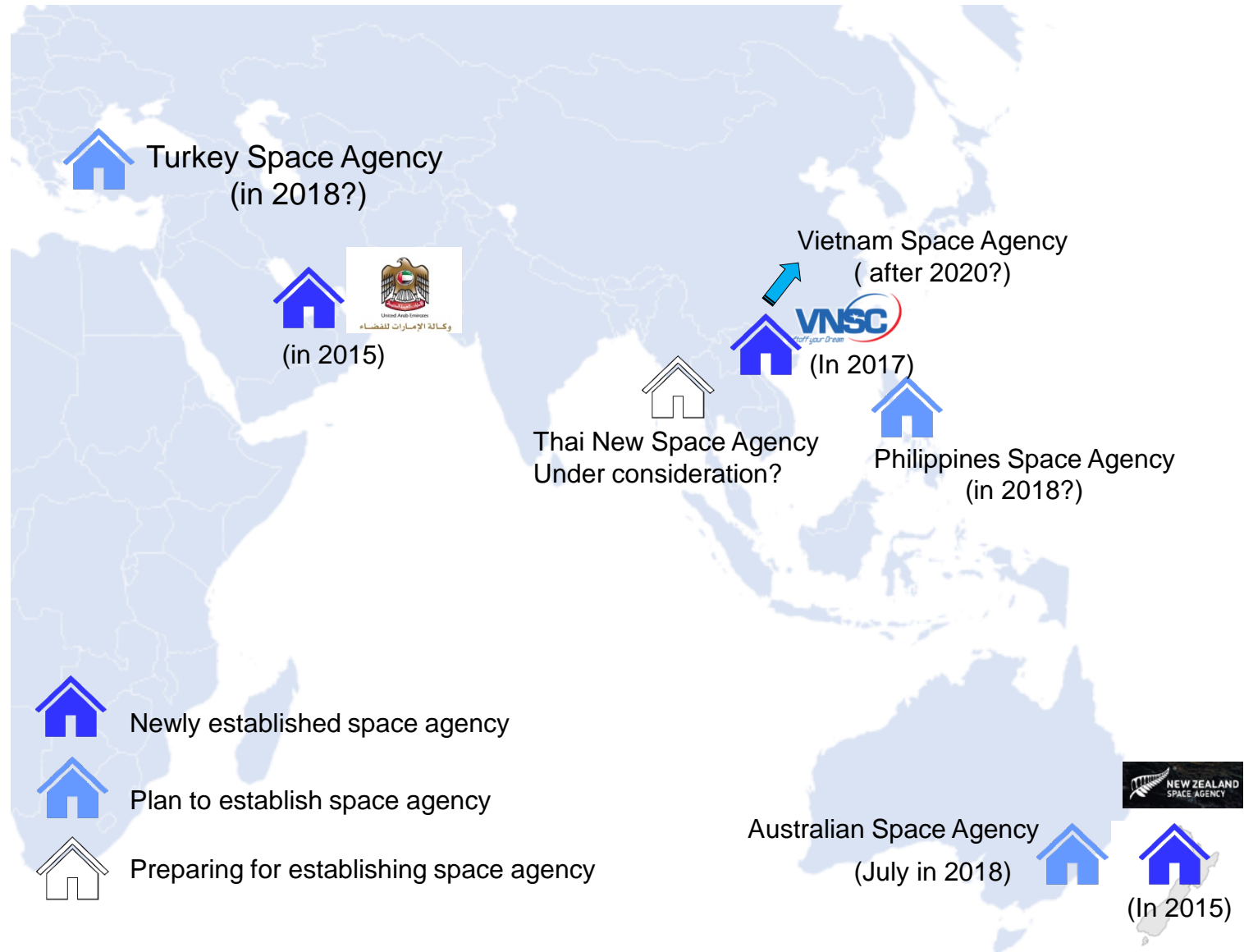
Source : Government Space Programs 2017, Euroconsult



Year of budget : UAE, Israel, India, Indonesia, Japan (2018) , Korea, Thailand, Taiwan, Turkey, Vietnam, Malaysia (2017), Kazakhstan (2015), Year of GDP : 2018

# 4. Trend to Establish New Space Agencies

The expected roles of newly established space agencies seem different from those of traditional agencies ...



# 5. Space Policy Objectives

## Enhancement of Science & Technological Foundation

- R&D on Key technology
- Satellite Development
- Data Analysis



## Promotion of Space Applications

- For effective decision-making
- contribute to solving social issues and achieving SDGs



## National Security (in a broad sense)

- Food Production Management
- Disaster Management
- Space Situation Awareness
- Maritime Domain Awareness



## Promotion of Space Industry



## Capacity Building



## International Cooperation

satellite data sharing, joint development of satellites, capacity building





## 6. Creation of Space Policy Community in Asia-Pacific Region

- Importance for space policy practitioners to periodically gather and exchange views so that they can share the common social issues and interests of the region
- Leading to create platform at policy level to resolve common social problems through deepening mutual understandings on the policy matters that are important to each country





# The 25<sup>th</sup> Session of the APRSAF



**25<sup>TH</sup>**  
**APRSAF**  
ASIA-PACIFIC REGIONAL  
SPACE AGENCY FORUM  
SINGAPORE

***Innovative Space Technology for Evolving Needs***  
**November 6-9, 2018, Singapore**



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SCIENCE AND TECHNOLOGY-JAPAN



# Space Policy Session @ APRSAF-25

*(Tentative Draft)*

## 【Date】

November 9, 2018

## 【Theme】

“Promoting the Space Industry”

~ Policy toward creating new players in space ~

## 【Concept】

Space policy officials will introduce each countries' policies and initiatives for harnessing space industry, and discuss on the challenges and potential cooperation in their implementation.