



Joint UN-GGIM-AP and Asia-Oceania GEO

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Executive Director



Geo-Informatics and Space Technology Development Agency

(Public Organization)

GISTDA



Thailand's Participations in Regional Geo-Information Activities



ASIA-PACIFIC PLAN OF ACTION ON SPACE APPLICATIONS FOR SUSTAINABLE DEVELOPMENT (2018 – 2030)

"Integrating Geospatial Dimensions for a Sustainable Asia-Pacific"

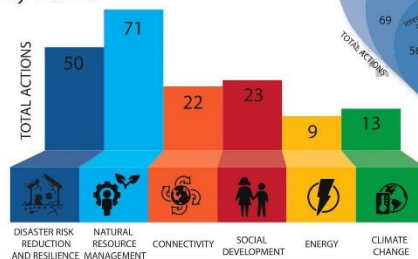


Plan of Action overview

Vision

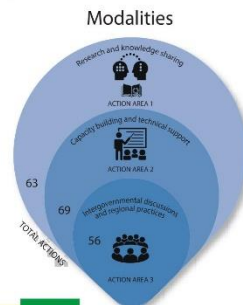
Member States in the Asia-Pacific region can access and use space science, technology and its applications to the fullest extent at the national and regional levels to achieve the goals set out in the 2030 Agenda for Sustainable Development.

Priority Themes

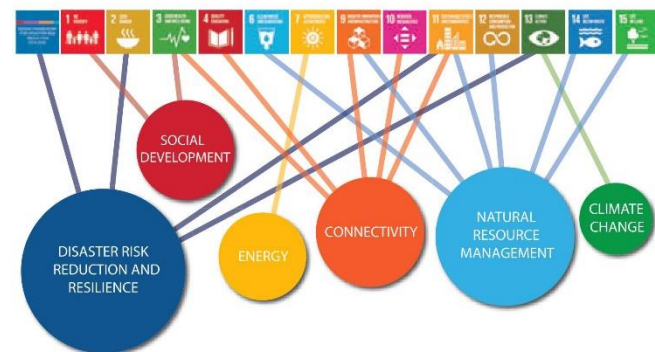


188 ACTIONS for 37 TARGETS of 14 SDGs¹ + SFDRR²

¹Sustainable Development Goals
²Sendai Framework for Disaster Risk Reduction



Integrating Geospatial Dimensions for a Sustainable Asia-Pacific



The Asia-Pacific region has the potential to achieve a developmental transformation that will serve as a global model on the cooperative use of innovative technologies for common good.

Thailand Supports to Regional Geo-Information Activities

Sirindhorn Center for Geo-Informatics (<http://scgi.gistda.or.th/>)



- International Double Master Degree Program in Collaboration with Wuhan University (China) and Burapha University (Thailand)
- Scholarships for Students from Asia and the Pacific Countries
- ASEAN Regional Training Center for Space Applications (ARTSA)
- Short Courses and Customized Training Programs
- Located in Space Krenovation Park, Sri Racha, Thailand

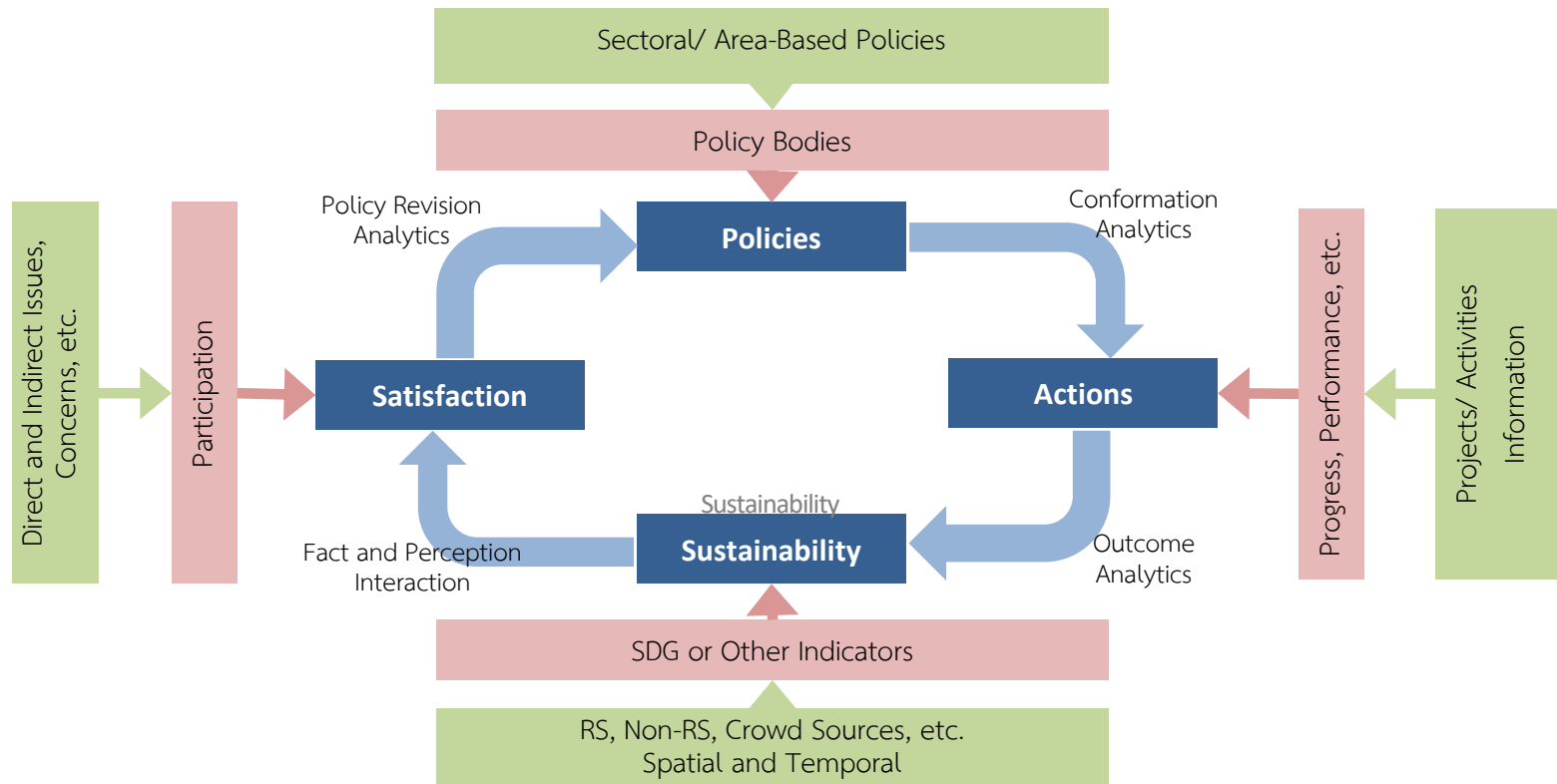
Thailand Contributions to Regional Geo-Information Activities—Future

Geo-Informatics Applications Toward Regional Sustainability

SDG was adopted by ESCAP as a regional ‘policy’ and POA was created with

- 188 actions in 6 themes and 3 modalities
- 62 member and associated member states
- May be 10 to 100s agencies/projects in each state

How can a regional body coordinate, evaluate and revise its POA



Thailand Contributions to Regional Geo-Information Activities—Future

Geo-Intelligence Platform Toward Actionable Intelligence Policy (AIP)

5-D Geo-Informatics

- Geospatial Dimension (x, y, z)
- Time Dimension (t)
- Value and Benefit Dimension (v)

Through an Innovative Singularity Platform (ISP) that integrate 5 M's

- Mapping (Graphic representation of Geo-spatial Data and values)
- Monitoring (Multi sources of data, including crowd sourcing)
- Modeling (Data and information integration, quanti- and qualitatively)
- Measurements (Indicators of values, benefits and impacts to economy, society and environment)
- Management (Actions, interventions and resources inputs)

ACTIONABLE INTELLIGENCE POLICY

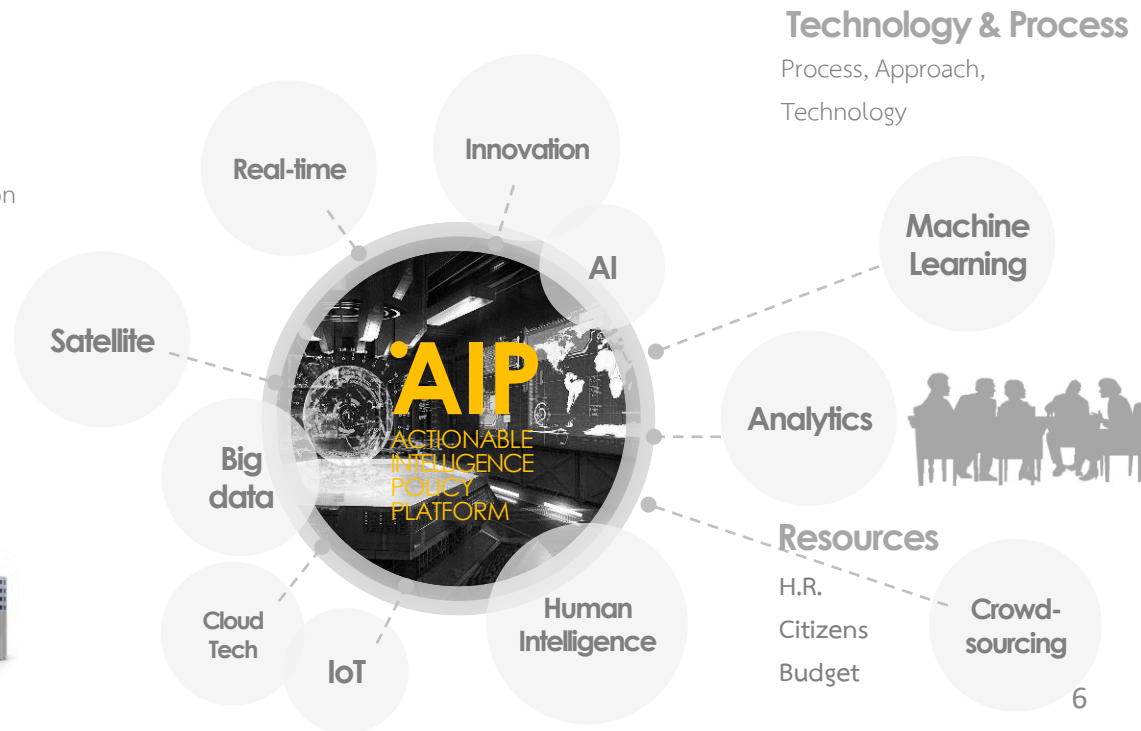
Establish policy to be driven by Space Technology and Geo-Informatics along with the use of **Actionable Intelligence Policy (AIP)**

Institution

Policy, Measure, Mission,
Force, Duty, Project, and
Activity of related execution
agents, Participation,
Monitoring and Evaluation

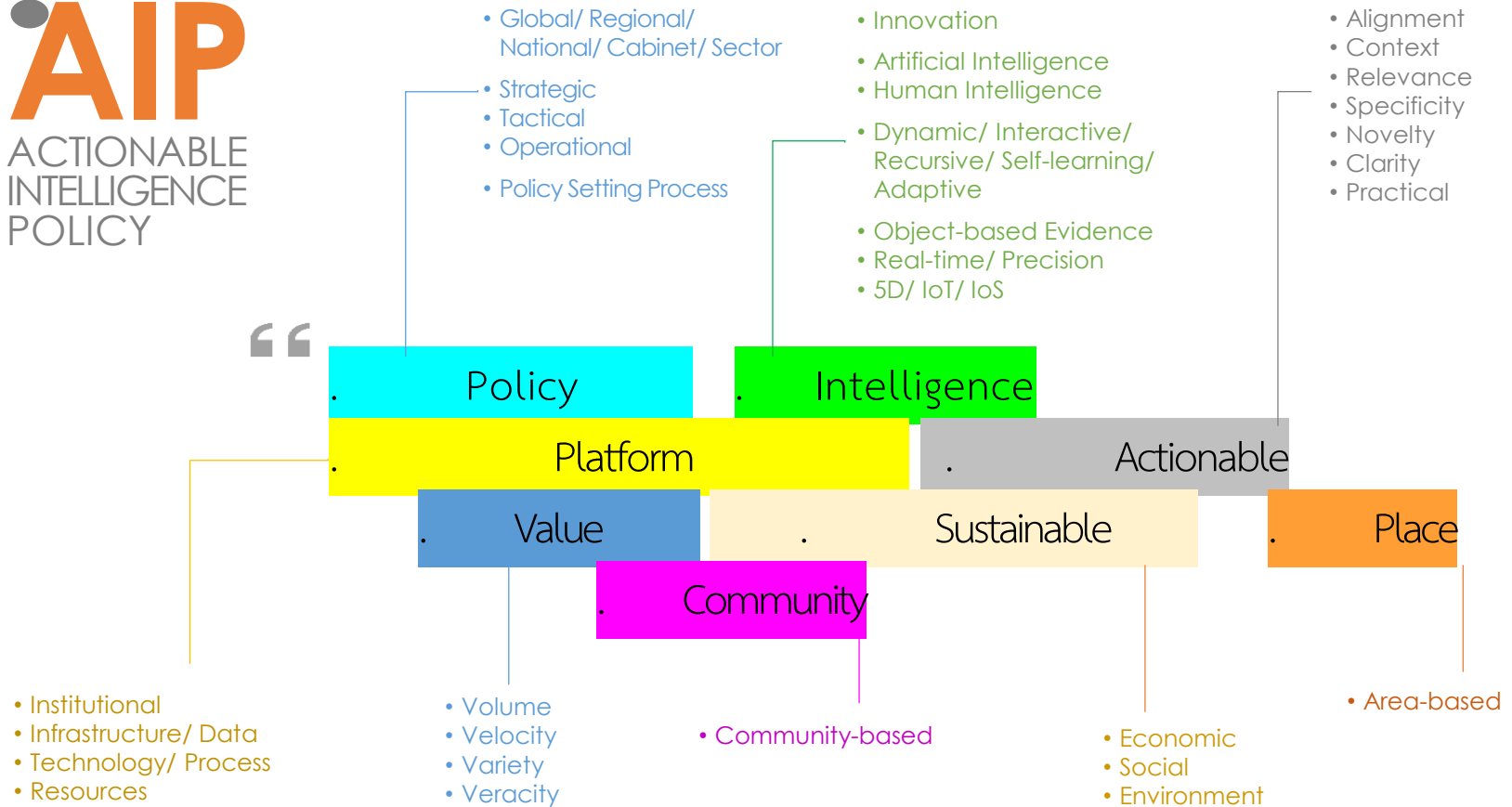
Infrastructure & Data

Infrastructure,
Instruments, Tools, and
Data of each mission

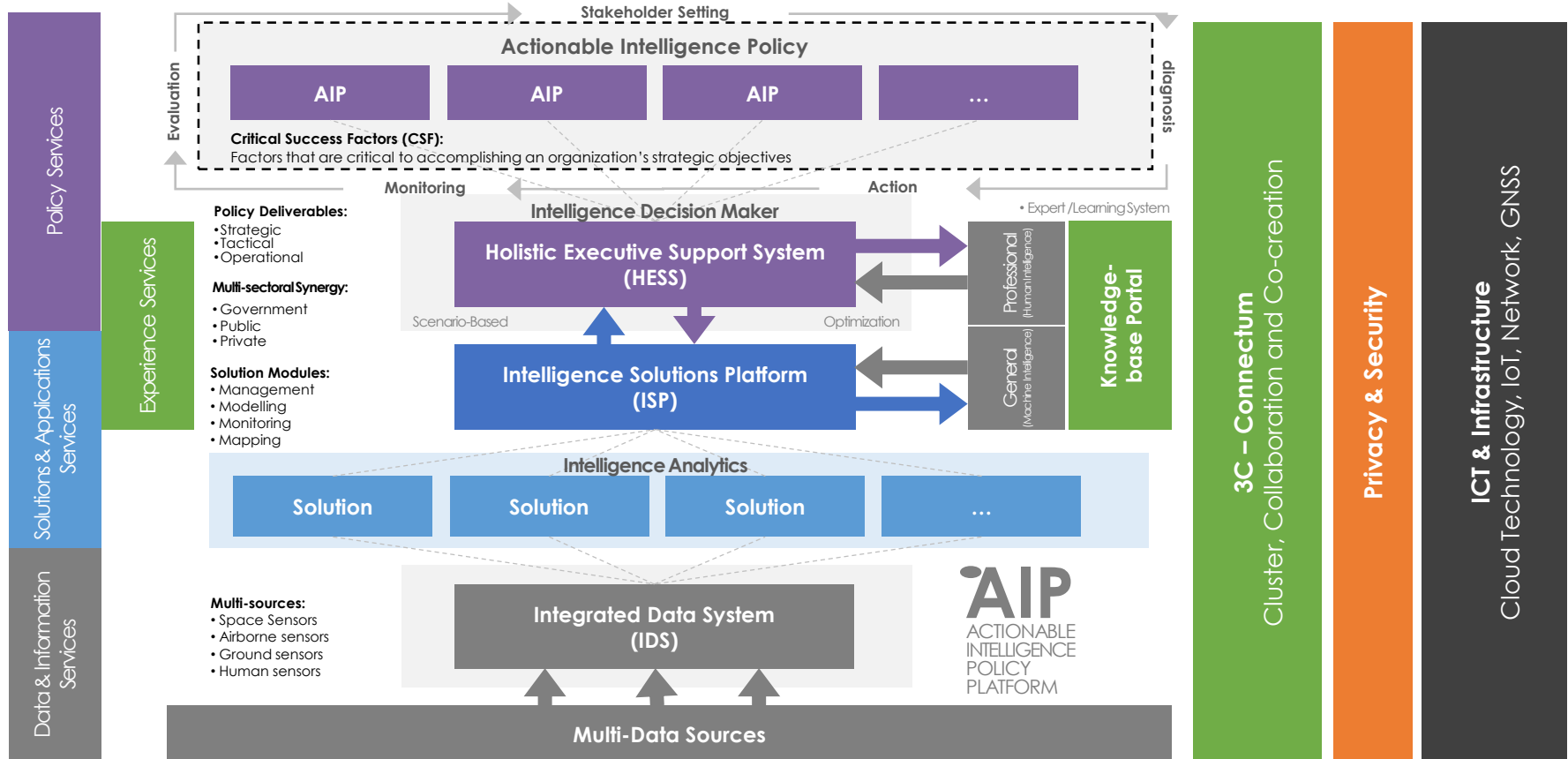


AIP

ACTIONABLE
INTELLIGENCE
POLICY



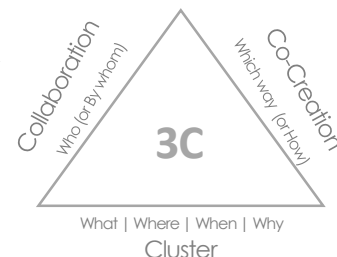
Actionable Intelligence Policy Ecosystem



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Multiple Big Data Sources

- Satellite-based (e.g. THEOS-2, Constellation)
- NSDI/FGDS
- Crowdsourcing



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