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UN-SPIDER International Workshop
Space-based Technologies for Disaster Risk Reduction - Assessing the Unseen Risks

Scaling up space applications for disaster risk reduction

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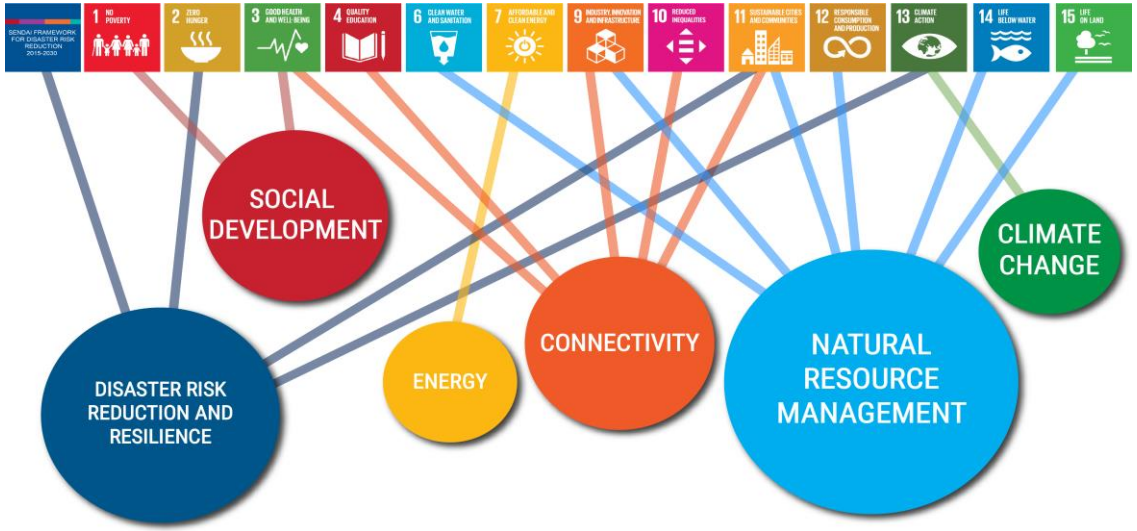
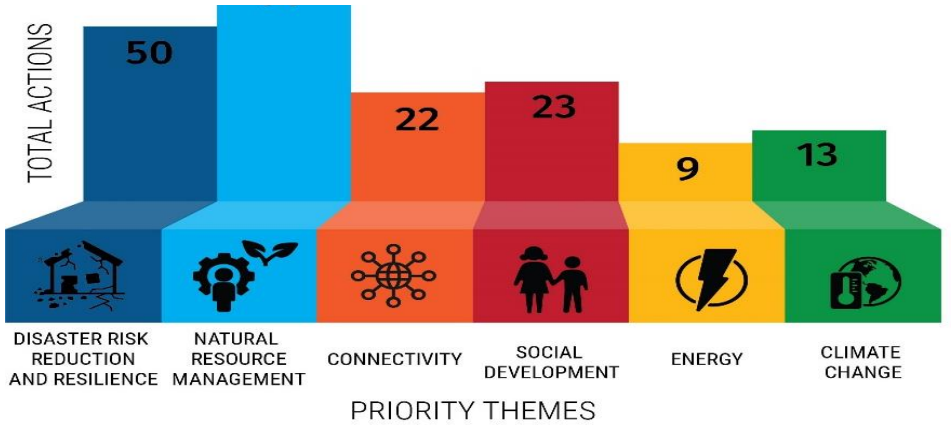
I. Implementation of Space Plan of Action

- The Asia-Pacific Plan of Action on Space Applications for Sustainable Development (2018–2030) provides a blueprint to harness space technology, geospatial information and digital innovations to advance the 2030 Agenda for Sustainable Development.

- The first phase of implementation of the Plan of Action (2018-2022) has promoted the adoption of space and geospatial information applications across six thematic areas.

- Countries in the region have recognized the benefits of applying geospatial information across multiple sectors for sustainable development.





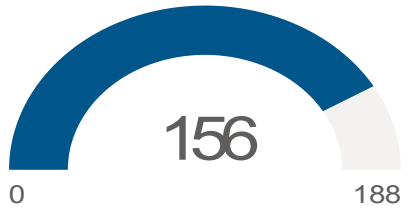
Activities taken at country level

SDGs

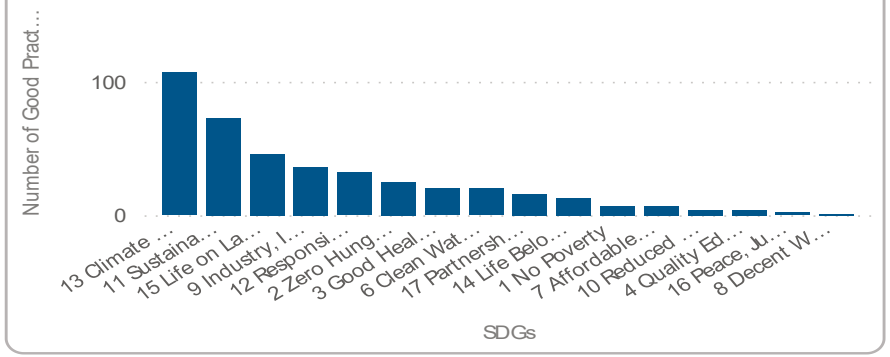
SDGs

All

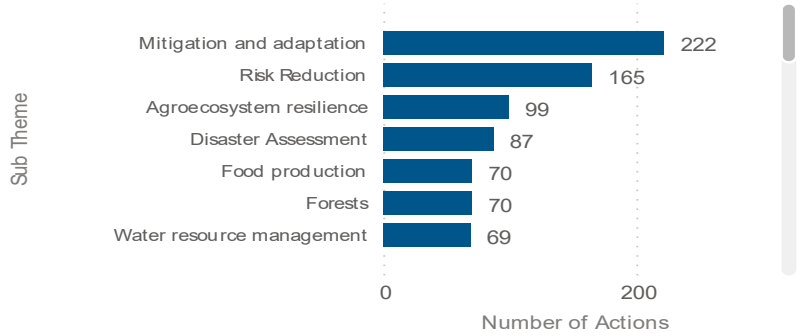
Number of Actions Implemented



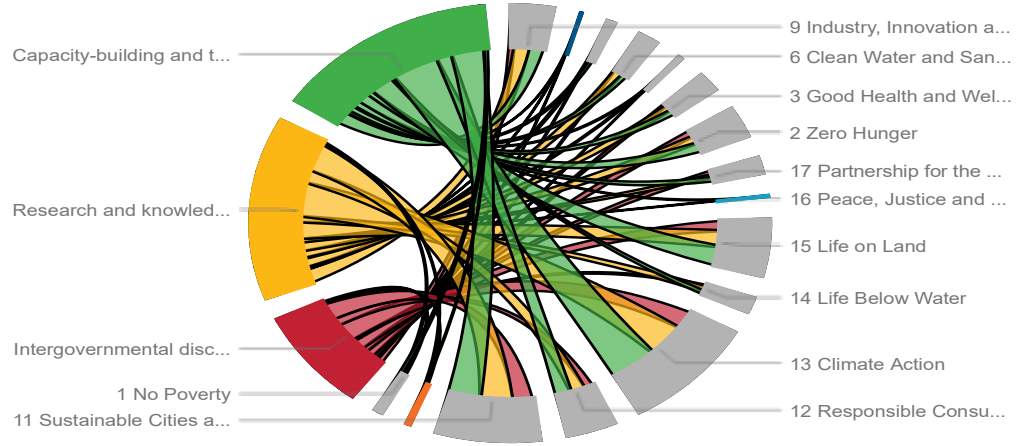
Most Implemented SDGs



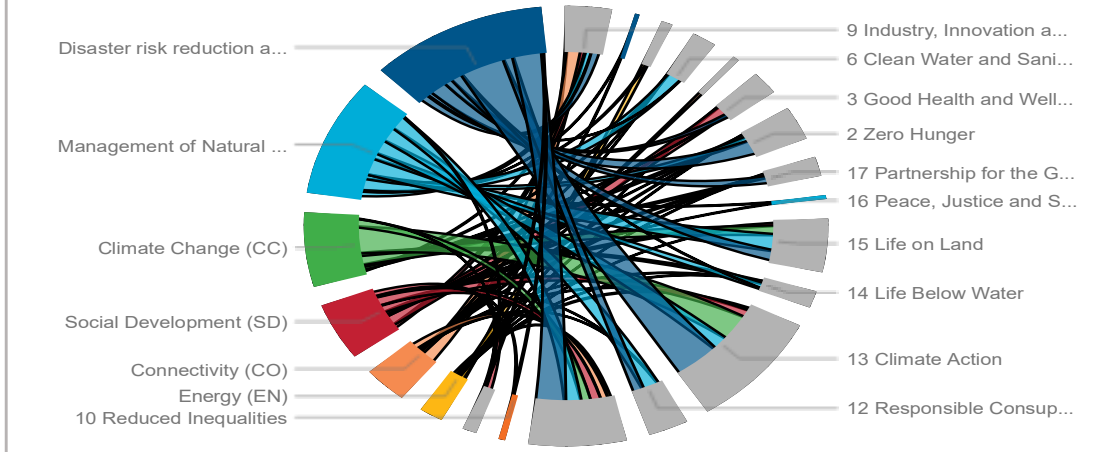
Top Contributing Sub Themes



Contribution of Action Areas to SDGs



Contribution of Thematic Areas to SDGs



Data Source: ESCAP Geospatial Good Practices Database

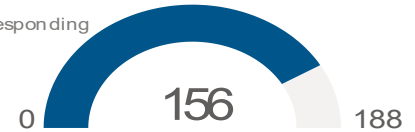
Actions in thematic areas

Geospatial good practices dashboard

Thematic Area | Action Area | Country | SDGs | Timeline | Explore the Good Practices

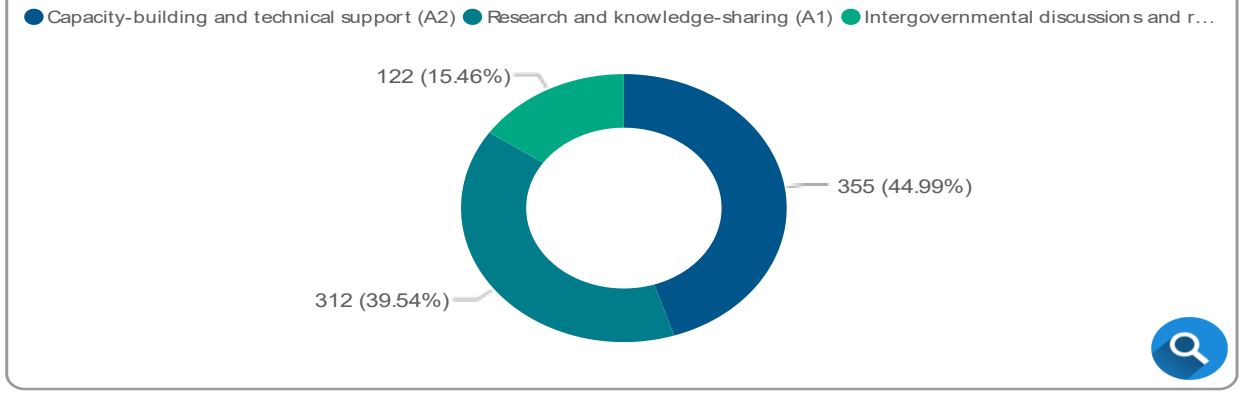
Number of Actions in Implementation*

*have at least one corresponding good practice

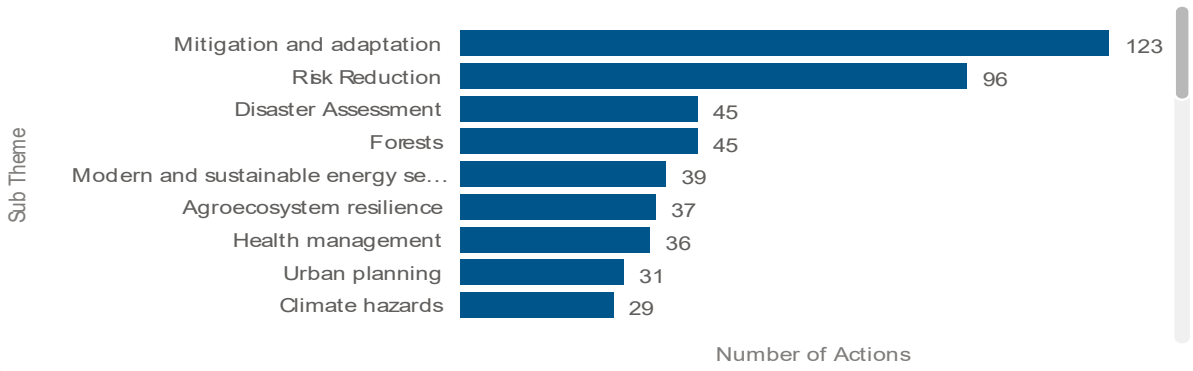


Number of Actions By Country

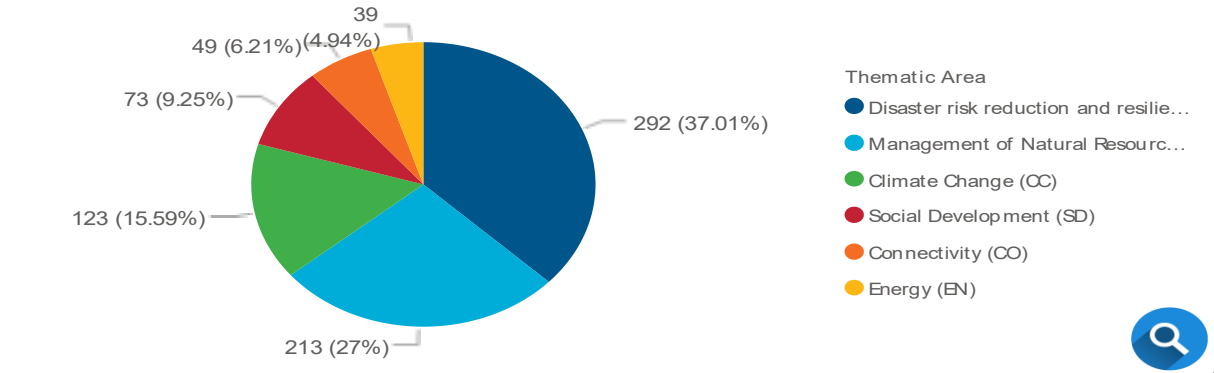
Number of Actions By Action Area



Top Contributing Sub Themes



Number of Actions By Thematic Area



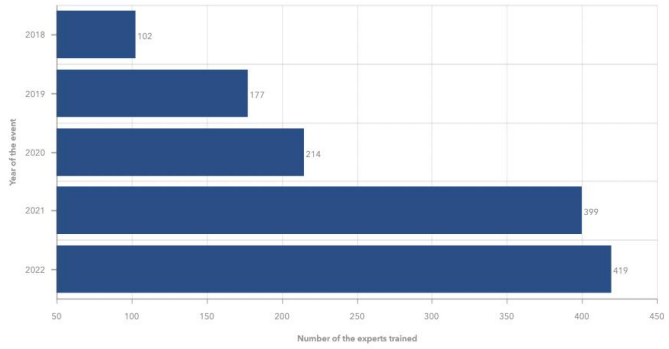
Training and capacity building

Total number of experts trained

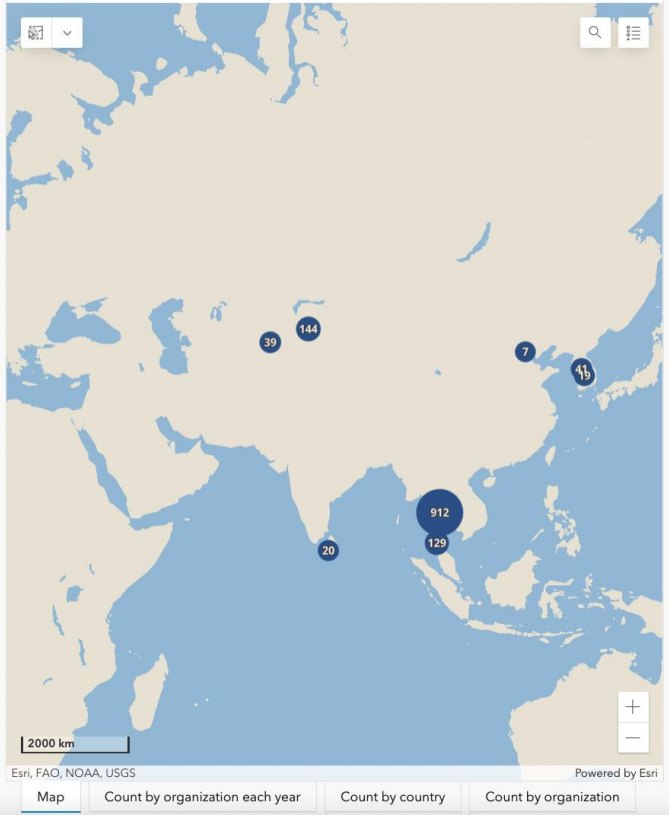
1.3k

Indicator | Gauge

Total number of experts trained each year

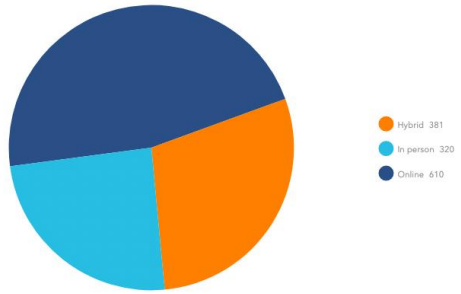


Map of capacity-building training (event venue)

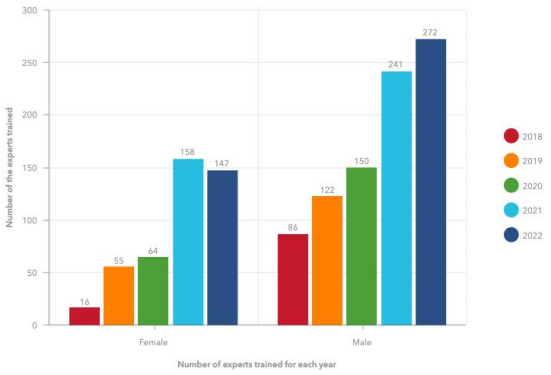


Map | Count by organization each year | Count by country | Count by organization

Total number of experts trained in a different mode



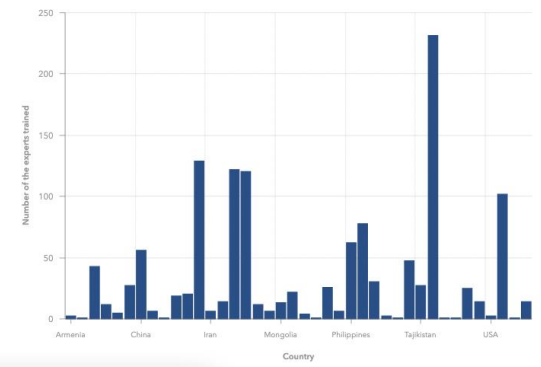
Total number of male and female experts trained each year



Total number of experts trained at each location

Location of the event	Number of the event
Damas International Hotel, Bishkek, Kyrgy…	11
ACCIMT, Colombo, Sri Lanka	20
Bangkok, Thailand	609
Cadastre Agency, Tashkent, Uzbekistan	39
Conference hall, Ministry of Emergency Si…	27
GISTDA Training Center (Bang Khen), Ban…	1
Hotel Kazzhol Almaty	26
KLALRC, Prince of Songkla University, Hat…	41
KOICA, Sejong, Republic of Korea	19
Nay Pyi Taw, Myanmar	9
NIER ESC premise, Incheon, Korea	41
Phuket, Thailand	70
RADI campus, Olympic Village S&T Park, …	7
Royal Beach Club Hotel, Issyk-Kul, Cholpo…	28
SKP, Si Racha, Thailand	57

Total number of experts training from each country




Space+ for our Earth and Future
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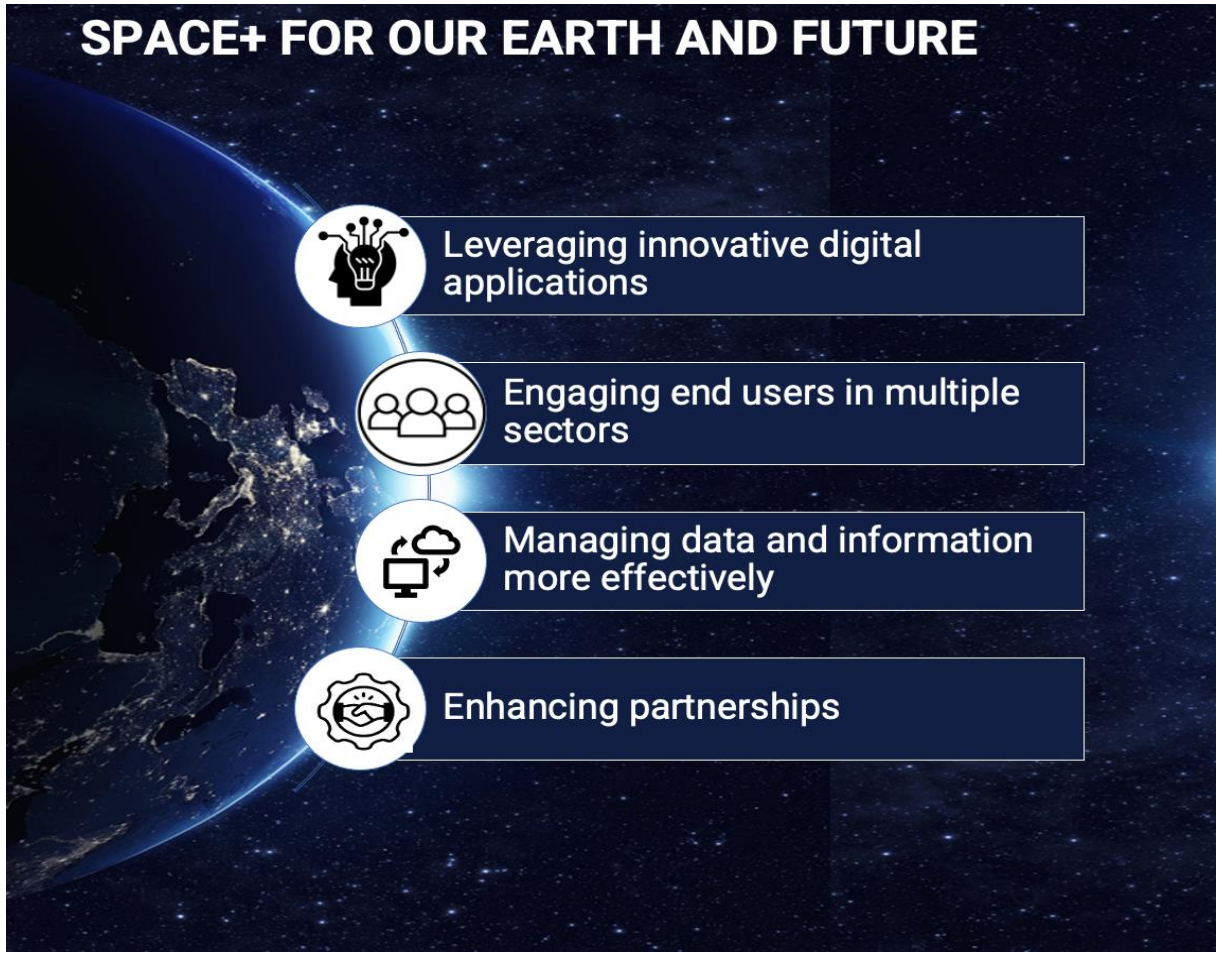
BRIN
THE 4TH MINISTERIAL CONFERENCE ON SPACE APPLICATIONS FOR SUSTAINABLE DEVELOPMENT IN ASIA AND THE PACIFIC
Wednesday, 26 October 2022
SECRETARY
PHILIPPINES
JAPAN

II. Space+ for our Earth and future: transcend conventional space applications and accelerate the implementation of the Plan of Action



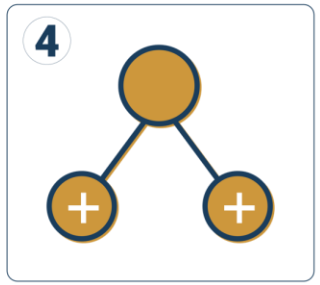
Highlights from the Jakarta Ministerial Declaration on Space Applications for Sustainable Development in Asia and the Pacific

- To accelerate the implementation of phase II of the Plan of Action;
- To facilitate consideration of the initiative of the Government of Indonesia referred to disaster risk management tools;
- To continue to provide technical assistance, policy analysis, and capacity development to and promote knowledge-sharing on space applications and geospatial data and information.

III Regional cooperation initiatives

- Proposed initiatives of the Government of Indonesia, with support of other counteis
  - Virtual constellation of satellites for pre-disaster risk management focused on continuous pre-disaster risk assessments in risk hotspots *(contributes to 9 actions of the Plan of Action)*
  - Rapid mapping of disaster hotspots through digital innovation tools such as machine learning *(contributes to 9 actions of the Plan of Action)*.
  - Establishment of a Youth forum on Space+ for our Earth and Future: *(contributes to 4+ actions of the Plan of Action)*.

1. **Set up an informal working group** to work out the operational details and conduct a study to map free and commercial remote sensing data providers and share the catalogue with all member States.

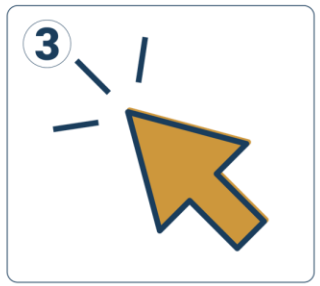


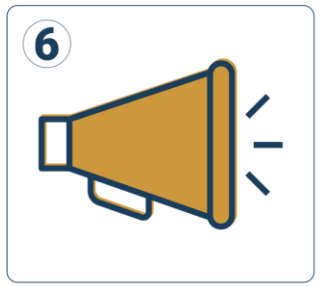
4. **Match support and demand** for satellite data by the secretariat using the VSC Catalog and form a working group to facilitate data transfer.

2. **Invite spacefaring countries** to set aside a percentage of their satellite operational time or data archive for use by high disaster-risk and low-capacity countries.

5. **Provide technical assistance** to the target countries in hosting, storing, processing and analysing the satellite data.

3. **Invite target countries** to identify disaster risk hotspots for satellite imaging.





6. **Share the data requests** with all the spacefaring nations to ensure that the regional needs are addressed in future satellite and sensor design.

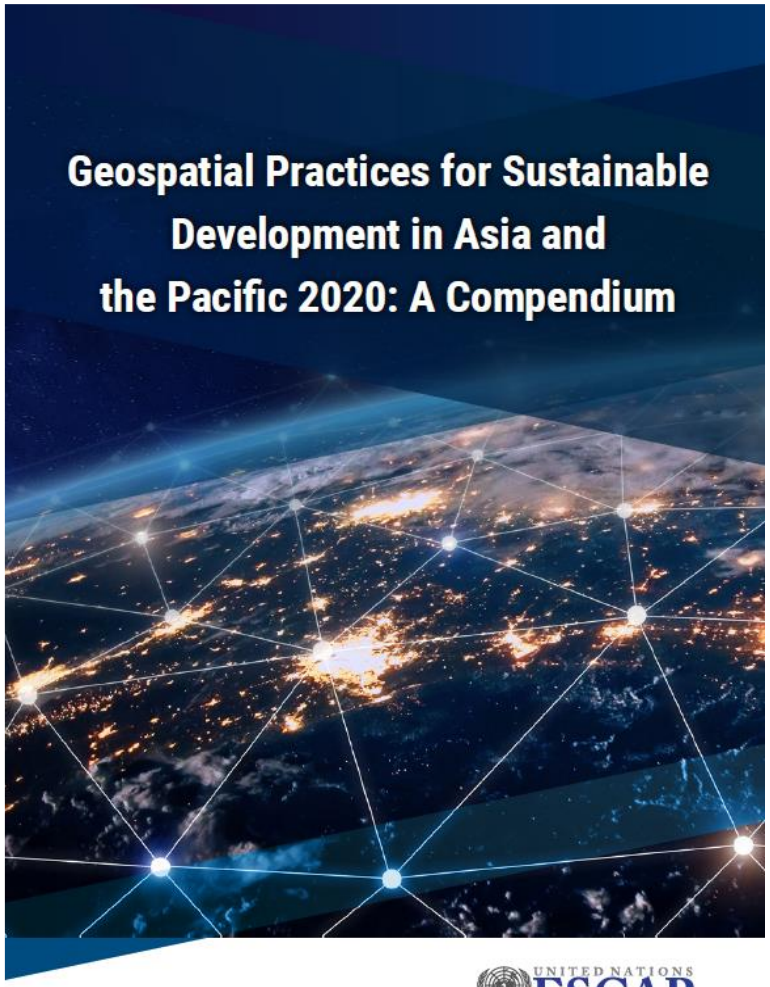
7

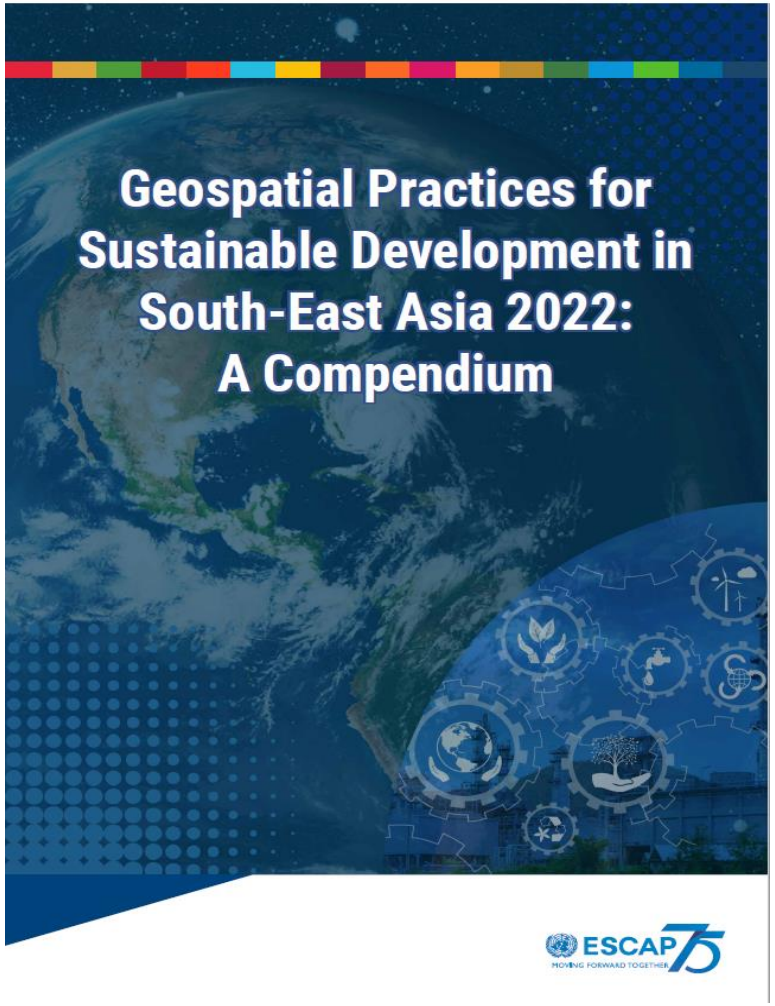
Contribute to the Asia-Pacific Plan of Action on Space Applications for Sustainable Development (2018–2030) in the areas of:

Disaster Risk Reduction and Resilience

Social Development

Management of Natural Resources





Geospatial practices in North and Northeast Asia 2024: A Compendium

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