



# UPDATE ON CGMS SOCIO ECONOMIC BENEFIT ACTIVITIES (FUTURE DIRECTION 2022+)

## Japan Meteorological Agency

Presented to CGMS-54 plenary, agenda item 5  
(CGMS-54-JMA-WP-10-p)

## Executive summary of the WP

Socio economic benefit (SEB) studies have recently played an important role in convincing stakeholders of the value of the observations provided by satellite programs. These studies offer policymakers/decision-makers a more comprehensive understanding of the implementation of satellite activities (new satellite programs and sustainment of current satellites).

To collect and support the sharing of information on SEB activities implemented by CGMS members, JMA has conducted a survey for consideration of SEB case studies and opinions on future activities.

The results of these activities will be shared online to help activities of CGMS members.

## Introduction of CGMS Socio Economic Benefit

- Socio-economic benefit (SEB) studies have recently played an important role in convincing stakeholders of the value of the observations provided by satellite programs.
- SEB studies for satellite programs provide policy and decision makers with a comprehensive understanding of the implementation of satellite activities, including future satellite programs and sustainment of current satellites.

## Surveys of the SEB activities

- In order to collect and share the SEB activities already implemented by CGMS members, JMA has conducted a questionnaire survey among CGMS members, thanks to the CGMS secretariat.
- Through this survey, we hope to understand the current status of SEB case studies and gather opinions on the direction of future SEB activities.
- Responses have been received from EUMETSAT, NOAA, NASA, JAXA and JMA itself. The overview of the responses would be presented in following slides.

## Survey: Socio Economic Benefit (SEB) analysis

The screenshot shows a Microsoft Forms survey interface. At the top, there is a language selector set to 'English (United States)'. The survey title is 'Survey: Socio-Economic Benefit (SEB) activities'. Below the title, there is a paragraph of introductory text: 'The CGMS-51 plenary directed Working Group III to undertake several activities regarding Socio Economic Benefit (SEB). This directive arose from the work of the CGMS future direction 2022+ Task Team and a recognition among members of the need to persuade stakeholders of the value of the observations provided by satellite programs. Our first step is to survey each agency's SEB activity. We ask that each CGMS member agency takes a few moments to complete this survey by 31 March 2025. In case of any questions on the survey, please contact the team championing this activities: y\_sumida@met.kishou.go.jp, metsat@met.kishou.go.jp copy to cgmssec@eumetsat.int.' The survey consists of four required questions: 1. Agency (text input), 2. Name (text input), 3. E-mail address (text input), and 4. Question 1: Have you ever conducted SEB surveys of meteorological satellite systems or operations? (radio buttons for Yes and No). A 'Next' button is located at the bottom of the form. At the very bottom, there is a Microsoft 365 logo and a small disclaimer: 'This content is created by the owner of the form. The data you submit will be sent to the form owner. Microsoft is not responsible for the privacy or security practices of its customers, including those of this form owner. Never give out your password. Microsoft Forms | AI-Powered surveys, quizzes and polls. Create my own form. Privacy and cookies | Terms of use.'

- Survey items (Microsoft Forms format)
  - ✓ SEB studies of meteorological satellite systems or operation already conducted. (Title, Overviews, Survey bodies, Results and Use of results)
  - ✓ Planned SEB studies of meteorological satellite systems or operation in future. (Plan, Overviews, Survey bodies, Purpose)
  - ✓ Expectations or points of interest for future SEB survey of meteorological satellite systems around the world by CGMS.

## The overviews of the responses (from 5 members in total)

- EUMETSAT and NOAA have conducted SEB surveys of meteorological satellite systems.
  - EUMETSAT – 2 cases for LEO ( EPS-METOP and EPS-AEOLUS & EPS-STERNA)
  - NOAA - 1 case for GEO ( GeoXO ), 1 case for LEO ( EPS-STERNA),  
2 cases for Space Weather Service, 1 case for Ocean Color Data.
- All 5 members show an expectation and interest for future socioeconomic benefit analyses of meteorological satellites around the world by CGMS Members.



## Key issues of relevance to CGMS:

- Reference to HLPP
  - 1.4.2 Collect and make available to CGMS members SEB case studies of relevant satellite systems for the purpose of identifying common practices in the next phase.
  - 1.4.3 Explore with WMO and other agencies the possibility to develop a study on the SEB value of the space-based observing system responding to WIGOS 2040 in cooperation with CGMS, and to trigger collaboration with CGMS members;