CGMS-53-WGIII-WP-09
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Agenda Item 5
Discussed at Plenary

Subject	**Progress of the CGMS Socio-Economic Benefit Activities (Future Direction 2022+)**
In response to CGMS action/recommendation	
HLPP reference	
Executive Summary	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 is currently conducting a survey for clarification of SEB case studies and opinions on future activities. The presentation highlights survey progress. JMA will continue to consider future efforts for contribution to enhanced cooperation between CGMS members and stakeholders.
Action/Recommendation proposed	

1 INTRODUCTION

Socio economic benefit (SEB) studies have recently played an important role in convincing stakeholders of the value of the observations generated by satellite programs. The main purpose of SEB studies is typically seen through the justification provided to policymakers / decision-makers for understanding new activities, such as future satellite programs with SEB inputs often crucial for:

- The approval of national budgets for satellite systems
- Maintaining political support for the global observing system effort

SEB studies also have a broader role in convincing a wide range of stakeholders (national and international organizations, user communities, general public, etc.) of value of satellite systems, which generally manifests itself through the provision of services that ultimately depend on the availability of satellite observations.

Challenges/Opportunities for CGMS

- This topic had already been addressed by CGMS, and it had not proved possible to adopt a general best practice/standard methodology that would be suitable for all CGMS agencies.
- The focus should be on sharing individual agency experiences, practices, and outputs rather than trying to derive a common methodology.
- A repository for Case Studies is identified as of being potential interest for sharing information and for establishing benefits of bilateral efforts between CGMS members.
- On the other hand, a CGMS level action for global satellite observations is also needed for the communication between each CGMS member and stakeholders at both national and international levels.
- As already considered by the CGMS Tiger Team (SETT), it has been conducted that such a CGMS level action would probably not be feasible due to the divergence of SEB requirements/needs amongst CGMS members.
- WMO had recently undertaken an SEB study for ground-based observations. If such an activity were to be conducted at a global level for satellite observations, WMO could be the appropriate body to lead such an activity with input and support from CGMS members.

The communication approach and sharing of messages for SEB outcomes is also important [e.g. national and international stakeholders, link to challenges].

2 PROGRESS OF THE CGMS SOCIO-ECONOMIC BENEFIT ACTIVITIES

To collect and support the sharing of information on SEB activities implemented by CGMS members, JMA is currently conducting a questionnaire survey targeting CGMS members for clarification of SEB case studies and opinions on future activities in the field. Responses have so far been received from EUMETSAT, NOAA, NASA, JAXA and JMA itself. The presentation highlights survey progress.

JMA will continue to consider future efforts for contribution to enhanced cooperation between CGMS members and stakeholders.
A new study on the SEB value of space-based observing system in response to the Vision for WIGOS in 2040 is also considered with the cooperation of WMO. This will include enhancement of interaction regarding outcomes between CGMS members and stakeholders, both nationally and internationally. In 2024, JMA and WMO had a discussion on cooperation to clarify the SEB value of the space-based observing system.