**Template for Case Studies on Satellites for Climate Services**

*(Draft Version 6 March 2020)*

**Background**

In 2015, the World Meteorological Organization (WMO) together with the Global Framework for Climate Services (GFCS)[[1]](#footnote-1) and the European Commission, published a report on “Satellites for Climate Services – Case Studies for Establishing an Architecture for Climate Monitoring from Space” (see WMO-No. 1162)[[2]](#footnote-2).

The CEOS/CGMS Joint Working Group Climate decided in 2019, to prepare a new publication with updated case studies, to demonstrate the direct or indirect value of Earth observation satellites for climate services.

**Template for the Submission of Case Studies**

The following template has been prepared to collect information on possible case studies to be included in the new publication. It was decided, that the analysis of the case studies shall keep the same style as in the 2015 report, and therefore the template is based on this earlier publication.

The proposed draft template is attached for review by WGClimate.

WGClimate/WMO will also be able to set up an electronic version of the template, allowing for online submissions. The form could be hosted at e.g. [https://climatemonitoring.info](https://climatemonitoring.info/) or also at <https://www.wmo.int/sat>.

**Decision**

WGClimate is requested to review the template, provide feedback on how it might be further improved and agree on the final template and its content.

**References**

Essential Climate Variables - https://gcos.wmo.int/en/essential-climate-variables

**Proposed Template for the Submission of Case Studies**

**A. Information required for selection of case studies**

1. Organization/entity proposing the Case Study: (free text field)

2. Name and email contact details of focal point for the Case Study: (free text field)

3. Title of the Proposed Case Study: (free text field)

4. Service/Thematic Area: (Drop-down menu with the following options:)

* Adaptation
* Agriculture
* Coastal management
* Disaster risk reduction (DRR)
* Energy
* Fisheries
* Flood management
* Food security
* Health
* Marine ecosystems
* Mitigation
* Protocol monitoring
* Tourism
* Urban
* Other (Explain)

5. End user(s) category: (Drop-down menu with the following options:)

* Government agencies
* General Public
* Industry
* Local communities
* Policymakers
* Reef managers
* Researchers
* Other (Explain)

6. Intermediate user(s) (specify): (free text field)

7. Application(s) (specify): (free text field)

8: Models used: (free text field)

9. Climate data records used: (how can we make a direct reference/link to the ECV inventory? shall a specific number to the ECV Inventory be listed here? Or shall this be a free text field?)

10. Satellite observations used (specify satellite/instrument, link to OSCAR/Space database?): (free text field)

11.Agencies that produce the relevant Essential Climate Data records: (free text field)

12. Sustainability of Service (demonstration or ongoing): (free text field)

13: Additional information/point of contact (website/contact information released for inclusion in the publication): (free text field)

**B. Information required for the final publication**

*Note: this information may only be requested in a second step, once a case study has been selected for inclusion in the publication.*

1. Description of the Case Study (publishable, for examples see <https://library.wmo.int/doc_num.php?explnum_id=7922>): (free text field, 600-1000 words)

2. Provide/Upload 1-4 high quality images, supporting the Case Study description: (upload button)

3. For the graphical depiction of the- Information Flow, complete the following information boxes:

* 3.1 Sensing - describe the sensing component (Pillar I): (free text field)
* 3.2. Climate Data Records- describe the climate data records used (Pillar II): (free text field)
* 3.3 Application - describe the application/products (Pillar III): (free text field)
* 3.4 Decision making - describe the decisions that can be taken based on the application (Pillar IV): (free text field)
* 3.5 Additional data/information used: (free text field)

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1. See [https://gfcs.wmo.int](https://gfcs.wmo.int/). [↑](#footnote-ref-1)
2. See <https://library.wmo.int/doc_num.php?explnum_id=7922> and <https://climatemonitoring.info/case-studies/>. [↑](#footnote-ref-2)