



Accurate Monitoring of Surface Ozone  
Virtual Workshop  
5-9 October 2020

## Report of Task Group 3: Communicating change

10 October 2020

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# TG3 attendees (8)

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	<b>First Name</b>	<b>Last Name</b>	<b>Institute</b>	<b>Country</b>
(chair)	Joële	Viallon	BIPM	France
(moderator)	Joseph	Hodges	NIST	United States of America
(Rapporteur)	Karri	Saarnio	Finnish Meteorological Institute	Finland
	Tiberio	Benavides	Universidad Nacional de Colombia	Colombia
	Holger	Gerwig	UBA(DE)	Germany
	Beatriz	Nuñez Corcuera	INSTITUTO SALUD CARLOSIII	Spain
	Patrick	Rainey	CARB	United States of America
	Hiroshi	Tanimoto	National Institute for Environmental Studies	Japan

# Discussion Topics

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1. Task Group Questions
2. Review of Survey Responses and comments
3. Discussion of individual questions and other points raised
4. Consensus opinion – taking into account survey responses

# TG 3 Questions

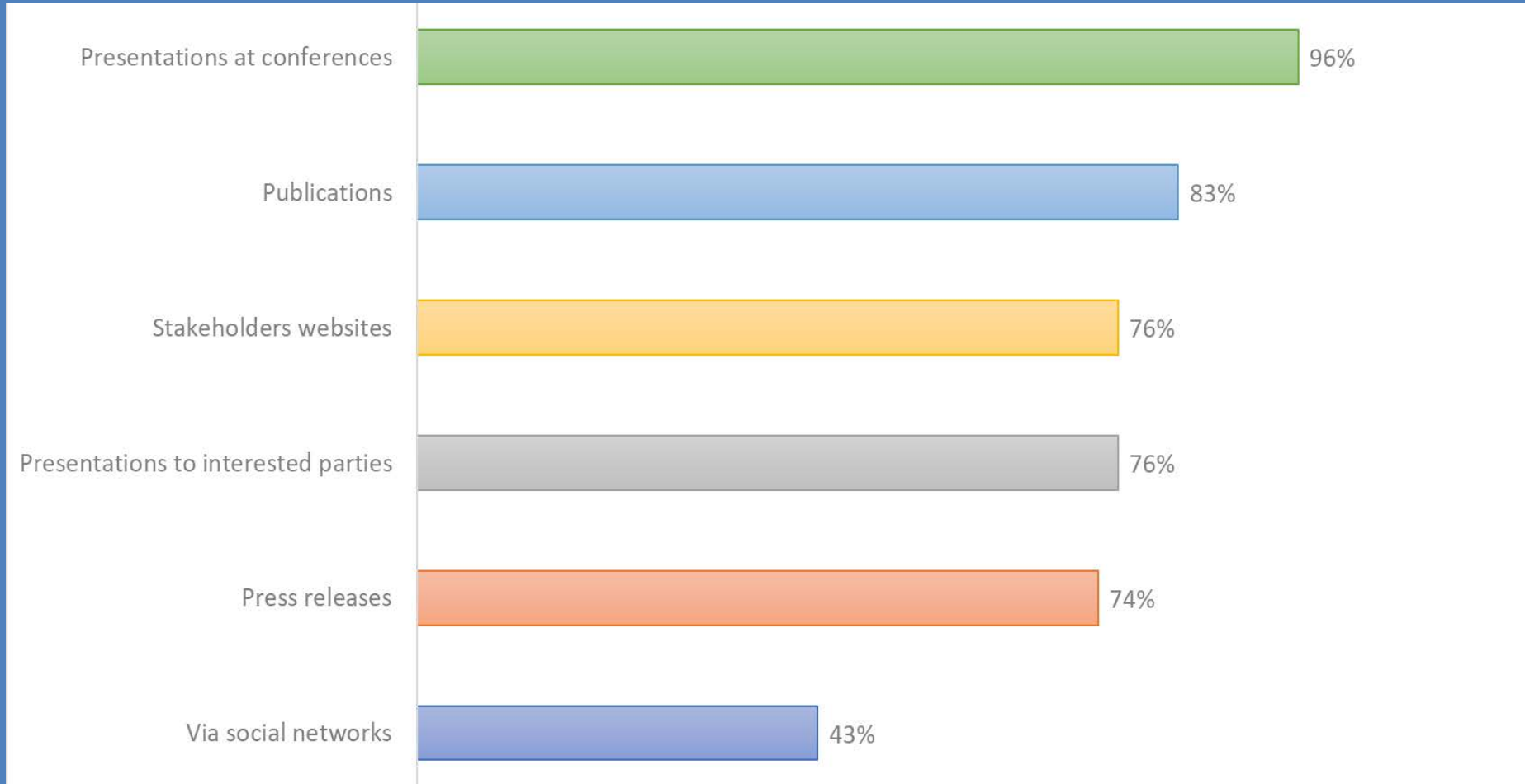
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## Communicating change

- 1) How do we best publicise the change and its date/schedule?
- 2) What information needs to be provided for stakeholders?

**Other related questions to be answered?**

# 1) Communication – which media (54 replies)



+ flyers at conference

Electronic communication (news letters ) seen as most impacting tool

# Communication – which media detailed replies

## Conferences :

- AGU American Geophysical Union general assembly
- EGU European Geophysical Union general assembly
- AMS American Meteorological Society
- Gordon Conferences
- IGAC International Global Atmospheric Chemistry
- Bi-annual ambient air monitoring conference held by the US EPA
- Congreso Colombiano de Calidad de Aire y Salud
- GAS analysis
- WMO CIMO TECO 2020 and GAW
- NACAA National Association of Clean Air Agencies
- QOS Quadriennial Ozone Symposium
- Air and Waste Management Association
- **International Conference on Air Quality**
- **BAQ ? Better Air Quality**

## TG3 additions:

Flyers

Electronic communication : newsletters

Manufacturers communication

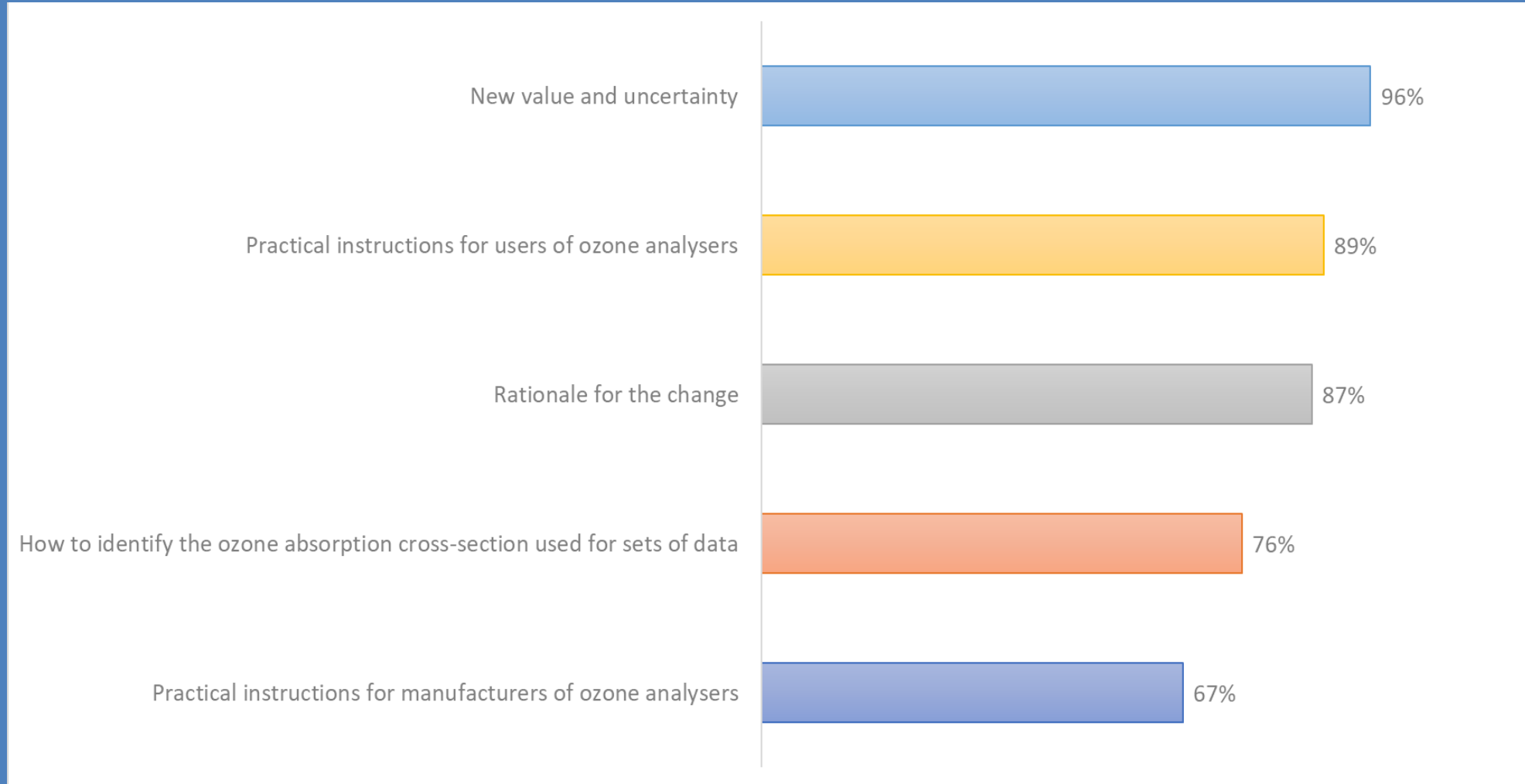
## Institutes / bodies :

- TOAR Tropospheric Ozone Assessment Report
- UCAR/NCAR University Corporation for Atmospheric Research
- NASA, ESA, JAXA, ...
- ISO individuals to contact their national normalisation body
- universities
- Clean Air Society of Australia and New Zealand
- National and State Environmental Agencies
- Health Agencies relating to Epidemiology studies
- Environment Ministries or Local Environmental Agencies

## Journals (paper with consideration of impacts)

- AMT
- Elementa
- Air and Waste Management Association

## 2) Communication – information (54 replies)

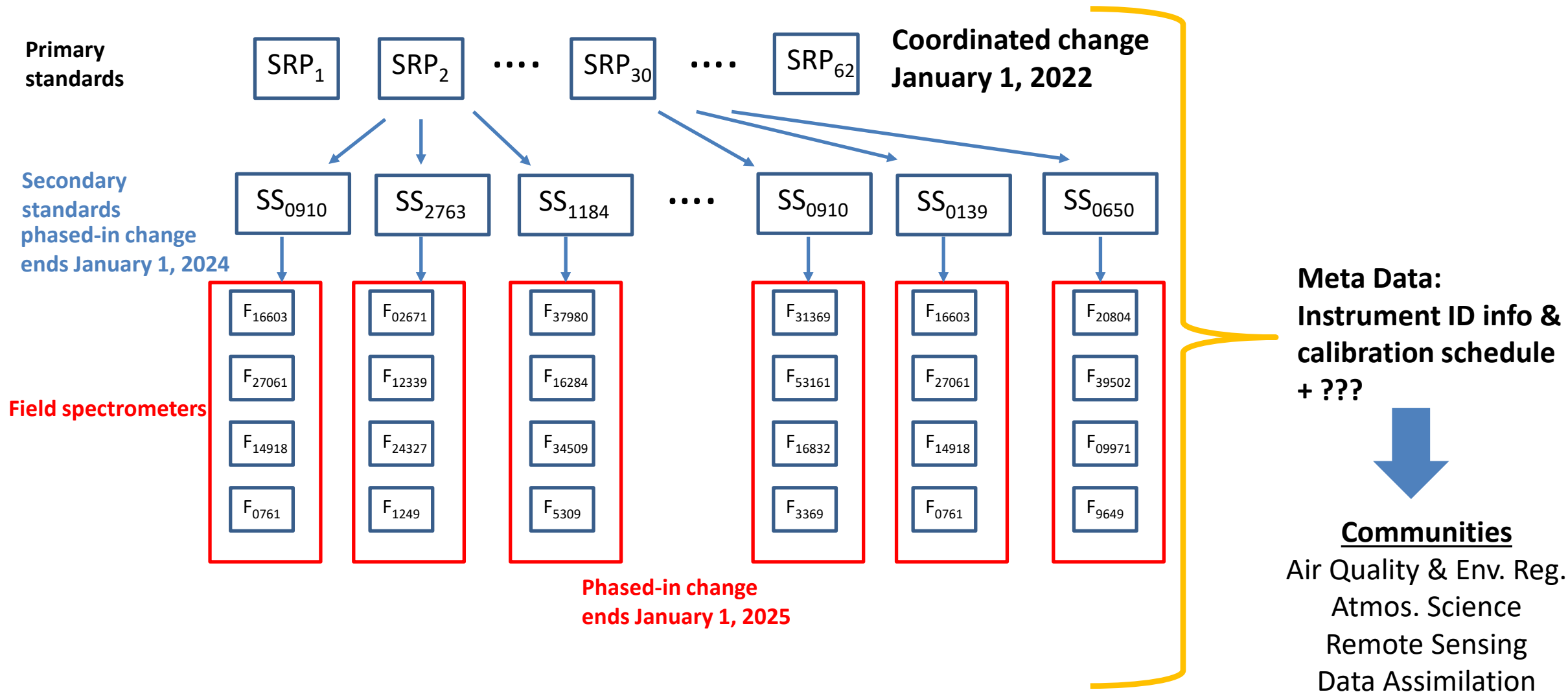


# Communication – information detailed replies

- Implications for presenting long-term trends and compliance with legislation
- [Metadata](#) needed together with a data set
- Practical instructions for correction historical datasets
- Preparation of data bases with an [identifier/flag](#) for the ozone data with old or new cross-section
- Timeline for adoption (early in the process) : date and transition period
- training



# How to synchronise / disseminate the information?



# 3. Discussions / 4. Consensus opinion

- Different communities --- different content:
  - SRP users who can implement the change at the same time. Effort to be directed within a GAWG TG. Require technical and detailed instructions.
  - 2<sup>nd</sup> level users getting calibration from SRPs. To be informed (Newsletter) early but implementation can follow (technical instructions)
  - Air Quality Networks: national, continental (EC Aquila), and global (GAW, TOAR). Main target of Newsletter. Can be a link with regulators.
  - Broader ozone observation community : ground-based and remote-sensing observations using ozone absorption cross-sections outside surface ozone standard (254 nm) : space agencies, GAW, TOAR. Publication in high-profile journal.

# 3. Discussions / 4. Consensus opinion

- First communication : **Newsletters** with easy to understand executive summary : why, what, when?  
to be endorsed and forwarded by different stakeholders  
to be translated locally for national authorities

- Other bodies which can include information in bulletins and newsletters:

International Global Atmospheric Chemistry <https://igacproject.org/publications/news>  
EPA Science Matters Newsletter <https://www.epa.gov/sciencematters>  
California Air Resources Board <https://ww2.arb.ca.gov/news>  
Air & Waste Management Newswire <https://www.awma.org/newswire>  
Aerosol and Air Quality Research <https://aaqr.org/about/mission>  
<https://phys.org/tags/environmental+monitoring/>  
Copernicus Atmosphere Monitoring Service <https://atmosphere.copernicus.eu/news>  
European Center for Medium-Range Weather Forecasts <https://www.ecmwf.int/en/publications/newsletters>  
World Meteorological Association [https://public.wmo.int/en/search?f\[0\]=field\\_cloud\\_tags%3A324](https://public.wmo.int/en/search?f[0]=field_cloud_tags%3A324)

H. Tanimoto co-chair



# 3. Discussions / 4. Consensus opinion

- **Technical instructions** (details not discussed)
  - Identifier
  - Value
  - Uncertainty
  - Software instructions
  - ....



To be developed within Task Group formed by GAWG

