



IWGGMS-21



Committee on
Earth Observation Satellites

Opening Ceremony



Opening Ceremony

- Welcome from NIES – Masahide Kimoto, NIES President
- Welcome from Co-organizer – Ministry of the Environment, Japan



Supporting Organizations

- Japan Agency for Marine-Earth Science and Technology (JAMSTEC)
- National Institute of Information and Communications Technology (NICT)
- Center for Environmental Remote Sensing (CEReS), Chiba University
- Japan Society of Atmospheric Chemistry (JpSAC)
- Kagawa University
- Kagawa Prefecture MICE Promotion Council



Warm Welcome from LOC Members

- Hiroshi Tanimoto & Tazu Saeki, Co-Chairs
- Kohei Ikeda, Sachiko Okamoto, Takafumi Sugita
- Yange Deng, Royston Uning, Chi Nguyen Doan Thien, Mahendar Rajwal, Hyunkwang Lim
- Ami Kawajiri, Fumiko Yoshimura, Naoko Sasaki, Tomoko Kanno, Akiko Sakata, NIES
- Masahide Ishizuka, Toru Terao, Kagawa University



	Year	Month	Venue	City	Country	Participants
IWGGMS-1	2004	April	JAXA/EORC	Tokyo	Japan	15
IWGGMS-2	2005	March	Caltech	Pasadena	USA	50
IWGGMS-3	2006	May	Center for Institutes	Tsukuba	Japan	68
IWGGMS-4	2007	June	CNES HQ	Paris	France	~40
IWGGMS-5	2008	June	Caltech	Pasadena	USA	45
IWGGMS-6	2010	January	Internatioal Conference Center	Kyoto	Japan	128
IWGGMS-7	2011	May	University of Edinburgh	Edinburgh	UK	142
IWGGMS-8	2012	June	Caltech	Pasadena	USA	135
IWGGMS-9	2013	June	Industrial Trade Center	Yokohama	Japan	112
IWGGMS-10	2014	May	ESA/ESTEC	Noordwijk	Netherlands	215
IWGGMS-11	2015	June	Caltech	Pasadena	USA	137
IWGGMS-12	2016	June	Kyoto University	Kyoto	Japan	145
IWGGMS-13	2017	June	University of Helsinki	Helsinki	Finland	168
IWGGMS-14	2018	May	University of Toronto	Toronto	Canada	186
IWGGMS-15	2019	June	Hokkaido University	Sapporo	Japan	144
IWGGMS-16	2020	June	EUMETSAT	Darmstadt/Virtual	Germany	325
IWGGMS-17	2021	June	NASA/GSFC	Greenbelt/Virtual	USA	417
IWGGMS-18	2022	July	NIES	Tsukuba/Mainly Virtual	Japan	292
IWGGMS-19	2023	July	LSCE	Paris	France	?
IWGGMS-20	2024	May	NSF/NCAR	Boulder	USA	?
IWGGMS-21	2025	June	Kagawa Int'l Conference Hall	Takamatsu	Japan	280 - X

Growing IWGGMS Community

IWGGMS-2 Caltech 2005

IWGGMS-6 Kyoto 2010

IWGGMS-10 ESTEC 2014

IWGGMS-15 Sapporo 2019

IWGGMS-3 Tsukuba Space
Center 2006

IWGGMS-11 Caltech 2015

IWGGMS-16
EUMETSAT
Virtual

IWGGMS-4 CNES 2007

IWGGMS-7 Edinburgh 2011

IWGGMS-12 Kyoto 2016

IWGGMS-17
GSFC
Virtual

IWGGMS-8 Caltech 2012

IWGGMS-13 Helsinki 2017

IWGGMS-18
NIES
Mainly Virtual

IWGGMS-9 Yokohama 2013

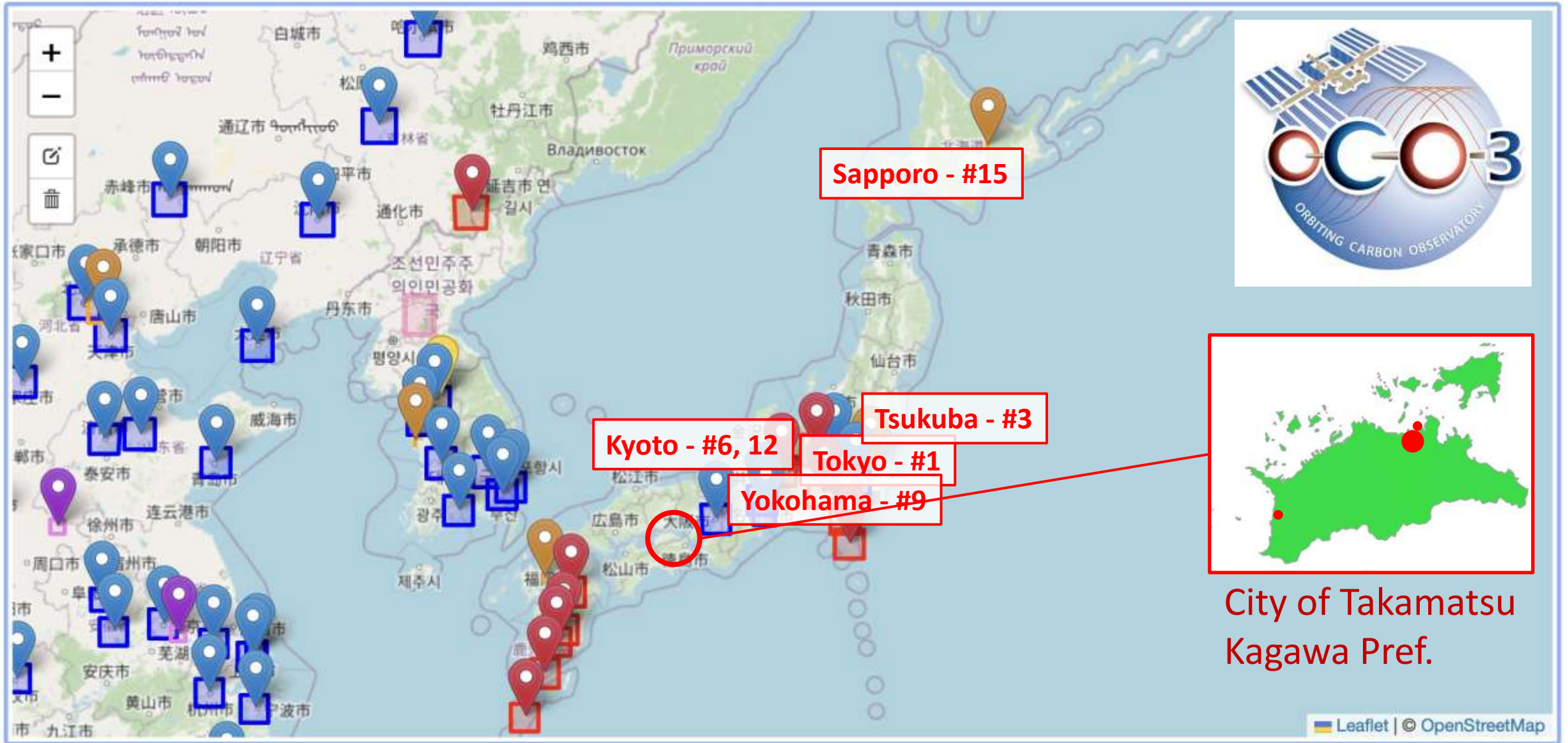
IWGGMS-5 Caltech 2008

IWGGMS-14 Toronto 2018

Growing IWGGMS Community



Where to host IWGGMS-21?



Logistics

- CEOS AC-VC-21 & WGCV/ACSG – move to the 4th floor, “Small Hall 1”
- Lunches – complementary. Eat here or outside. Take it at your responsibility.
- Coffee/Tea Breaks – here (morning), Small Hall 1 (afternoon)
- Group Photo – move outside after the evening session TODAY!
- Ice Breaker (welcome drinks) – following Group Photo
- Exhibition – MOEJ, NIES, Tokyo Dylec @Lobby
- Tourism – Kagawa Prefecture MICE Promotion Council



Logistics

- Internet – SUNPORT WiFi (Hall) with password
- Bonsai – Treasure of town. Please do *NOT* touch!
- Photo Permission – IWGGMS-21 and/or NIES may use for non-commercial, non-profit, research, illustration and educational purposes



Side Meeting, Telecon, ...

Business room (24 persons)



Meeting room #1 and #2 (10 persons)



Requests – come to the Registration Desk or ask LOC



Share your passion for GHG observations from space!

Meet, talk, and interact (and eat, drink...) for the future!

We hope you enjoy IWGGMS-21 with us!



Warm Welcome from SPC Members

- Hirofumi Ohyama & Yu Someya, SPC Co-Chairs
- Session 1: Abhishek Chatterjee, NASA JPL/Caltech & Naoko Saitoh, Chiba Univ.
- Session 2: Yasjka Meijer, ESA & Ray Nassar, ECCC
- Session 3: Chris O'Dell, Colorado State Univ. & Yu Someya, NIES
- Session 4: Hirofumi Ohyama, NIES & Mahesh Kumar Sha, BIRA-IASB
- Session 5: Sara Mikaloff-Fletcher, NIWA & Hannakaisa Lindqvist, FMI
- Session 5: John Worden, NASA JPL/Caltech & Julia Marshall, DLR
- Session 7: Jochen Landgraf, SRON & Helen Worden, NCAR
- Session 8: Lesley Ott, NASA & Hiroshi Tanimoto, NIES

Scientific Sessions

- 1) Status and results from current missions
- 2) Status and plans of future missions
- 3) Retrieval algorithms, priors, and products
- 4) Calibration and validation
- 5) Global to regional flux estimates and validation
- 6) Urban/local/facility scale emissions – quantification and validation
- 7) Multi-species observations/modeling and GHG-AQ synergy
- 8) Stakeholder needs and engagement

Schedule, Day 1 – 4

Day 1	Sessions	0900-1030	1030-1100	1100-1300	1300-1500	1500-1630	1630-1700
Monday	S1, S2	30min/opening + 60min/S1	coffee	90min/S1 + 30min/S2	lunch + poster (S1,S2,S3) + coffee	90min/S2	30min/special session
Day 2	Sessions	0900-1030	1030-1100	1100-1300	1300-1500	1500-1700	
Tuesday	S6, S3, S4	90min/S6	coffee	120min/S3	lunch + poster (S4,S5) + coffee	120min/S4	
Day 3	Sessions	0900-1030	1030-1100	1100-1300	1300-1500	1500-1700	
Wednesday	S5, S8, S4	90min/S5	coffee	120min/S8	lunch + poster (S6,S7) + coffee	60min/S4 + 60min/S5	
Day 4	Sessions	0900-1030	1030-1100	1100-1300	1300-1400	1400-1600	1600-1700
Thursday	S6, S5, S7	90min/S6	coffee	120min/S5	lunch	120min/S7	30min/closing + 2026 IWGGMS

Oral Sessions

- Plenary session at Kagawa International Conference Hall
- Hybrid set-up
- Updated Scientific Program as of June 1st on the web
- Abstracts Collection on the web



Poster Sessions

- Dedicated sessions are on Day 1 to Day 3 (Mon – Wed)
- All posters can be on display throughout the entire week
- Can start display at 13:00 today
- Remove in the evening of Day 4 (Thu)



Special Session

“Measuring Greenhouse Gases from Space: Past, Present, and Future”

by

David Crisp (CEO of Crisp Spectra, LLC),

Tatsuya Yokota (ERCA/NIES),

Akihiko Kuze (GORadS CEO)

Moderators: Hiroshi Suto (JAXA) and Tsuneo Matsunaga (NIES)

Warm Welcome from CEOS Members

- Greetings from CEOS AC-VC Co-Chairs – Ben Veihelmann, Barry Lefer, Hiroshi Tanimoto
- Greetings from CEOS AC-VC Topical Leads – John Worden (GHG), Shobha Kondragunta (AQ aerosol), Digo Loyola (Ozone)
- Greetings from WGCV/ACSG Lead – Jean-Christopher Lambert

