



47th Global Monitoring Annual Conference

Boulder, Colorado

May 21-22, 2019



The 2019 GMAC... by the numbers

Attendance – “In the room”

- 200+ Attendees
 - 29 International guests
 - 6 Continents
 - 16 Nations
 - 6 International agencies & organizations
 - 12 International universities
 - 22 U.S. agencies & programs
 - 18 U.S. universities
 - 20 Private sector companies



The 2019 GMAC... by the numbers

Contributing Authors

- 98 Presentations
 - 95 Lead authors
 - and-
 - 332 “unique” co-authors
- Representing:
 - 31 U.S. agencies & labs
 - 35 U.S. universities
 - 21 Countries
 - 20 International organizations
 - 30 International universities





Housekeeping



- **Poster session**, 4:30-7:00 pm today
 - Posters collected at the registration table
 - Poster tubes stored in outreach classroom (lunch room)
- **Agendas** are available at the registration desk, behind the water here in the room, and displayed on digital screens outside
- **Wireless** access available throughout the building
- **Abstract Booklets**
 - All materials are online on the GMAC website
 - We have memory sticks with the full pdf set of abstracts available to borrow and download
- For those without e-access, we do have some printed abstract booklets available as well
 - Please ask registration staff

Network: NOAA_Guest

Username: gmac

Password: No@agmd2019

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Housekeeping (cont'd)



- Lunches are delivered here
 - Sign up and pay at the registration table
 - Drop-dead time is morning break
- Coffee and food in hall during breaks
 - Water, coffee, and tea available in room
 - All plates, cups, utensils are compostable
 - Green Containers
- Restrooms, fire alarm
- Respect fellow presenters and attendees
 - Minimize conversations in the hall outside the door
 - Or, move far away from main door
- Need work space during the meeting?
 - Cafeteria and Classroom available
 - Side meeting space – contact organizers
- NOAA Gift Shop open 12:00-1:00 pm daily
- Silence your phones!! (please) . . .



Speakers...!



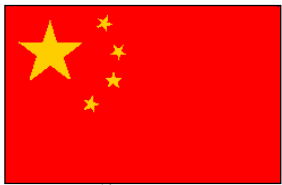
- Take your presentations to the **projection booth** at least one session before yours.
- Go to the **microphone fitting desk** at the back, center of the meeting room (bottom of the stairs to the projection booth) as the speaker before your time begins to present to be fitted with your microphone.
- Then, move down the left side of the room and use the side hallway to the stage. Please **remain out of sight** (off stage) and be ready to walk onto the stage when the questions end for the previous speaker and the session chair introduces you. A chair and water will be available for you.
- **Turn on the microphone before you leave the side hallway** and walk onto the stage to begin your presentation. Cross the stage to the opposite side (near the podium) and begin speaking immediately. Do not ask “is the microphone working?” It will be if you turned it on. GMD staff will adjust the volume as you speak.



Speakers...!



- **Watch the screen!** Speakers have **12 total minutes** to talk. At **10 minutes** the timer will transition to yellow numbers alerting you to be finished within **2 minutes**. At 12 minutes the screen turns **red**, alerting you to stop talking, and begin the **3 minute** question period. If you are not finished with your presentation at 12 minutes, **a bell will ring** and you will be told verbally your time is up.
- **Return** your microphone and pointer to the microphone station at the rear of the room immediately after your presentation.
- **Audience:** **Hold the portable microphone close** – no farther away than 1 inch from your mouth. Speak loud and clear. You will be talking to 150+ people in the room and 100 on the Web connection.



China

Ethiopia

Ukraine

Bahamas

South Africa

Kazakhstan



Australia



Pakistan



Peru

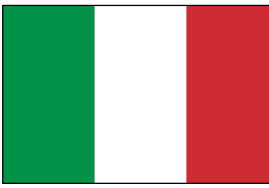


Canada

ESRL GMAC
JH Butler



India



Italy



Germany

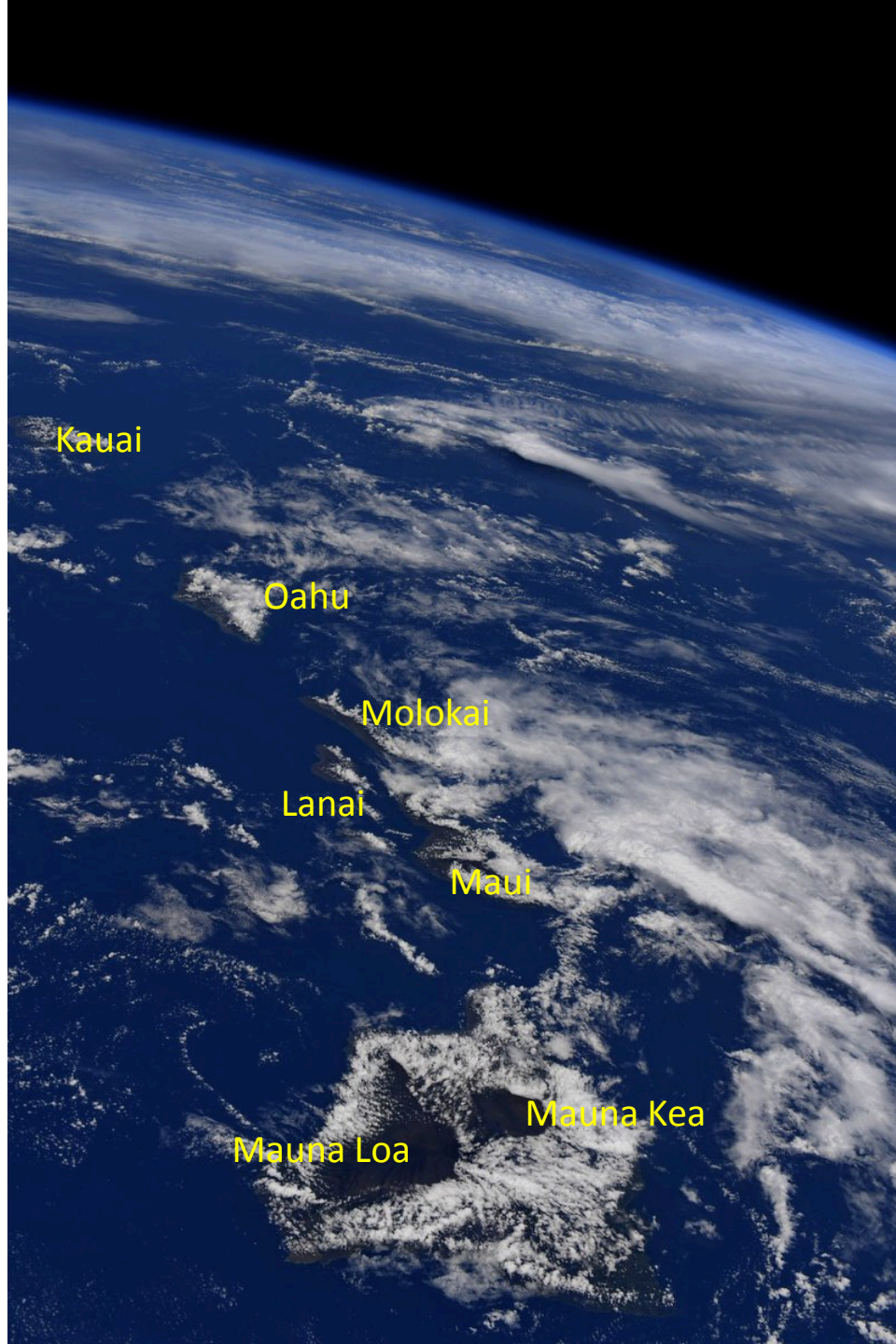


Netherlands



Korea

Welcome and Conference Overview
May 21, 2019



Christina Koch

- Former member of NOAA's Global Monitoring Division
- Worked for or with GMD at four of our Atmospheric Baseline Observatories
 - South Pole
 - Summit, Greenland
 - Barrow, Alaska
 - American Samoa
- Is now on the International Space Station
 - Would like to say "Hello"



Keynote Speaker Dr. Guy Brasseur



- Sr. Scientist and Group Leader, Max Planck Institute for Meteorology, Hamburg
- Distinguished Scholar, National Center for Atmospheric Research, Boulder
- Former positions (only a few listed)
 - Director, Atmospheric Chemistry Division, NCAR
 - Editor in Chief, Journal of Geophysical Research, Atmospheres
 - Chair, International Geosphere-Biosphere Program
 - Associate Director, National Center for Atmospheric Research
 - Head of the Earth and Sun Systems Laboratory (ESSL, 300 staff)
 - Chair, Joint Scientific Committee, World Climate Research Program
 - Coordinating Lead Author, Chapter 7 IPCC, Fourth Assessment Report
 - President, Atmospheric Science Section, American Geophysical Union
 - et al., et al.
- Over 300 publications to his credit