

The International TOVS Working Group (ITWG)

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ITWG Co-Chairs

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International TOVS Working Group (ITWG)

- Established in 1983 as a working group of the *International Radiation Commission (IRC)*.
- Adopted in 2012 as sub-group of the *Coordination Group for Meteorological Satellites (CGMS)*.
- Provides a forum where operational and research users of atmospheric infrared and microwave sounder data exchange information on:
 - Sensor and satellite status (particularly for new missions)
 - Processing methods and derived products (temperature, water vapor, trace gases, ...)
 - Sounder data use in Data Assimilation and Numerical Weather Prediction
 - Radiative transfer and surface properties
 - Climate studies
 - Real time sounder data reception, processing, and products

International TOVS Study Conference

- ITSC is held every 18-24 months; 22 conferences have been held since 1983.
- ITSC-22 was held in November 2019 in Saint Sauveur, Quebec (hosted by ECCC).
- In-person conference spans 7 days:
 - 5 days are plenary session talks and posters (single track)
 - 1 day is for working group meetings
 - 1 day free
- Working groups meet for 2-4 hours to discuss progress on action items, new topics, and assign new actions and recommendations.
- Working group co-chairs present and write up a working group report.
- Recommendations are presented to CGMS and IRC by ITWG co-chairs.

ITWG Working Groups 2021

Working Groups

1. Numerical Weather Prediction
2. Radiative Transfer and Surface Property Modeling
3. Advanced Sounders
4. International Issues and Future Systems
5. Climate
6. Sounder Products and Software

Technical Sub-Groups

1. RTTOV and CRTM
2. Radio Frequency Interference

ITWG Working Group Leadership 2021

Numerical Weather Prediction:

Fiona Smith (BoM) and Brett Candy (Met Office)

Radiative Transfer and Surface Property Modeling:

Marco Matricardi (ECMWF) and Ben Johnson (UCAR)

Advanced Sounders:

Dorothee Coppens (EUMETSAT) and Dave Tobin (UW-Madison)

International Issues and Future Systems:

Peng Zhang (CMA) and Niels Bormann (ECMWF)

Climate:

Nathalie Selbach (DWD) and Cheng-Zhi Zou (NOAA)

Products and Software:

Nigel Atkinson (Met Office) and Graeme Martin (UW-Madison)

ITWG Technical Subgroup Leadership 2021

RTTOV & CRTM:

James Hocking (Met Office) and Ben Johnson (UCAR)

Radio Frequency Interference:

Nancy Baker (NRL), Stephen English (ECMWF),
Rich Kelley (NOAA), and Jean Pla (CNES)

ITSC22 Group Photo



Welcome to ITSC-23!

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