

ISSI TEAM 373

Towards a unified solar forcing input to
climate studies

Meeting 1: 20-23 February 2017

Ultimate goal:

- Single and homogeneous modelled irradiance record to recommend to the climate community
- Including realistic uncertainties

This requires:

- Observational records of SSI and TSI with realistic uncertainties

The available records are all invaluable. However, for modellers to rely on them, we need to know what is solar and what is instrumental

- Identification and understanding of the source of differences between the models of different architecture

Includes: modelling approaches themselves and inputs

Aims of this meeting:

- Identify needs of the climate community: spectral coverage and resolution, cadence (t), priorities, accuracy (t)

Monday, Session 3

- Review the available irradiance measurements and their uncertainties

Tuesday, Session 4

- Review the most recent versions of models

Tuesday, Session 5a – Empirical models;

Wednesday, Session 5b – Other models

- Identify strengths and limitations of different modelling approaches, suggest possible tests and prospects for improvements

Tuesday - Thursday, Sessions 5,6,8

More:

- Discuss the format and the proposal for the broader follow-up meeting
 - Proposal submitted for a Focus Meeting to be held during the IAU GA next year – wait for the outcome*
- Contrasts and proxies of magnetic features as input to irradiance models
 - Monday, Sessions 1, 2a, 2b, Thursday*
- CMIP6 data set
 - Wednesday, Special discussion*
- **All kinds of discussions are very welcome!**

More:

**Welcome drink provided by ISSI:
Today at 5 p.m.**



Cancelled... 🙄
but reason to attend next meeting 😊

More:

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Today at 5 p.m.**

**NOW:
Let's start working**

