http://cimss.ssec.wisc.edu/iswg/meetings/2019/

Introduction

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International Surface Working Group (ISWG)

The group was formed from a sub-group radiative transfer working group at ITWG.

As the Remote Sensing and Modelling of Surface Properties (RSMSP) four workshops were organized in 2006, 2009, 2011 and 2016.

The ISWG has a focus on the land surface, and to incorporate modeling experts as well as those in data assimilation and remote sensing.

The group is conferring with the WMO and with the CGMS to establish itself as a working group within the Coordinated Group for Meteorological Satellites (CGMS).
Promote the science and goals for earth observation and modeling

International Surface Working Group (ISWG)

Goal: Gather requirements specific to surface observations
What are most impactful observation to define Earth system:
land, vegetation, snow, ice, and coastal and open waters

Facilitate and guide *continuity of measurements* to advance science

Communicate across agencies methods and data to achieve common objectives

Foster and explore new areas for research
ISWG_2018_A1: Action to distribute and collect responses for a survey of ESM community to link requirements regarding land surface to those of EO-agencies.

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https://doi.org/10.3390/books978-3-03921-065-7
International Surface Working Group (ISWG)

Selected Current Actions and Recommendations:

**ISWG_2019_A1:** Action collect configuration for land data assimilation being used now by research/operational centers.

**ISWG_2019_A2:** Action survey research/operational centers to clarify the critical land surface observations.

Survey at: [https://forms.gle/VogFqie5MvreCcTr6](https://forms.gle/VogFqie5MvreCcTr6)

<table>
<thead>
<tr>
<th>Soil Moisture</th>
<th>ASCAT, SMOS, SMAP</th>
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<tbody>
<tr>
<td>LAI</td>
<td>PROBA-V, MODIS</td>
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<tr>
<td>Snow cover</td>
<td>IMS product</td>
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<tr>
<td>LST</td>
<td>SEVIRI, IASI</td>
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**ISWG_2018_R3:** Climatology L-band, C-band, GNSS-R to be used as a baseline record for Earth System Models (ESMs) to replicate.

ISWG-4 Planned for September 2020 in Helsinki, Finland