



You are invited to the Ocean Best Practices Virtual Workshop Surface Radiation *Community Consultation Working Group*

Community Consultation Working Group Session: Surface Radiation, part of OASIS Track

Format: Invited and Contributed Briefings

Date and Time of Surface Radiation Working Group Session:

Tuesday 21 September 2021 at 1400-1530 UTC

Wednesday 22 September 2021 at 1400-1530 UTC

Thursday 23 September 2021 at 1400-1530 UTC

Ocean Best Practices Workshop Websites:

OBPS: <https://workshop5.oceanbestpractices.org/>

OASIS: <https://airseaobs.org/obps-surface-radiation-2021>

Workshop Conveners:

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Session description:

A growing effort to better integrate radiation measurement best practices between land and ocean communities is underway in order to support a growing network of ocean measurements in the context of OASIS over the next decade, and to produce a truly global network of surface radiation measurements for climate studies. This effort has included previous discussions within the Global Climate Observing System (GCOS; <https://gcos.wmo.int/en/news/joint-panels-meeting>), last year's OBPS Workshop (https://airseaobs.org/wp-content/uploads/2021/07/OBPS-Wkshp-IV-Surface-radiation-WG-report_standalone-version_2021-07-27.pdf), and a newly created Baseline Surface Radiation Network (BSRN) Ocean Working Group.

This workshop will build on previous efforts with two goals in mind:

- 1) To articulate current best practices in ocean-based radiation measurements to finish writing a paper to describe our current state of the art knowledge.
 - a. We want to finish producing decision trees for instrument choice, best practices for handling and installation of sensors, calibration & data processing, and tests for goodness of data on moving platforms.
 - b. Developing recommendations for standardizing modifications to sensor electronics and housing for marine application.
- 2) To begin planning field experiments and identifying new technologies to meet gaps in our understanding of best practices. Some of the high priority areas identified at last year's workshop were quantifying the impact of: ventilation, cleaning, tilt correction, shading by buoy structures, and measuring albedo.

Next Steps:

1. **All participants please register here at no cost:** <https://workshop5.oceanbestpractices.org/>
2. Please email the conveners (Laura.Riihimaki@noaa.gov, alcide.disarra@enea.it, dr.r.venkatesan@gmail.com, cheng_xue11@stu.ouc.edu.cn) if you have content you would like to see in the workshop related to the goals.
3. Participate in the workshop by asking questions and sharing your experience to help formulate consensus recommendations and document these in a best practices paper.