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International Ocean Vector Winds Science Team

(IOVWST)

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TERMS OF REFERENCE

Goal:

To bring together the community of scientists working on global surface vector wind fields over the ocean to further scientific cooperation and practical application of ocean winds to societal problems.

Purpose:

- To continuously examine and improve the range and quality of ocean vector wind products available to the community.
- To assure that scientific input is provided to development of a high quality climate record for winds over the ocean.
- To stimulate innovation of applications using ocean vector winds for scientific and societal problems.
- To provide scientific guidance for the development of the CEOS Ocean Vector Winds Satellite Constellation
- To improve the user community's knowledge of strengths and weaknesses of ocean vector wind products for their applications

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Sponsors

Sponsoring agencies will work on a “best efforts” basis to make scientists available for team meetings and to coordinate with other sponsors in the selection of team members (via periodic research announcements of opportunity). Sponsoring agencies will provide guidance to and receive guidance from the IOVWST through the IOVWST leaders and appropriate mission Project Scientists.

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Membership

- As of 2009 this community is largely focused on scatterometer data from such satellites as QuikSCAT and ASCAT, but the OVW satellite constellation may grow in the future to include a broader community of international participants. The IOVWST framework is established as a common scientific forum to include and support new ocean vector wind mission science. Initially the team will be composed of investigators participating in the NASA Ocean Vector Winds Science Team, the ESA/EUMETSAT ASCAT Science Advisory Group, and Principal Investigators as identified by METOP Research Announcement of opportunity. As additional agencies (ISRO, SOA, etc) develop scatterometry capabilities and select associated science teams, membership in IOVWST will be extended to include these participants.

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Responsibilities of IOVWST members

- 1) Deliver scientific breakthroughs and well-cited publications.
- 2) Report these results/publications to the appropriate scatterometer project and IOVWST leaders.
- 3) Attend and actively support science team meetings on a regular basis (generally one IOVWST meeting and one specialized workshop per year).
- 4) Respond, as necessary, to requests from the appropriate Project/mission Scientist and IOVWST Leaders for scientific and technical input.

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Team Leaders Responsibilities

- 1) As necessary, author and coordinate the IOVWST's corporate input with regard to Science Requirements related to ocean vector winds products;
- 2) Coordinate with appropriate international and interagency partners (technical or scientific) to facilitate data access for IOVWST science team members and scientific collaboration with like groups;
- 3) Organize, plan, and chair Science Team meetings and author reports of the meetings;
- 4) Organize, plan, and chair Ocean Vector Winds Special Sections at appropriate professional society meetings;
- 5) Organize, plan, and solicit publication of IOVWST results in special journal issues or sections of journals;
- 6) Coordinate IOVWST recommendations to the EUMETSAT mission scientist and EPS program scientist.
- 7) Coordinate IOVWST recommendations to US OVVST Project Scientist and Program Scientists

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Timetable

- The team will meet every year (alternating between USA and Europe). Meetings in Asia may be planned as the IOVWST expands. Planning for a 2010 meeting in Europe is suggested to initiate the IOVWST.

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