Monday June 2\textsuperscript{nd}: Morning  
Conference Room

8:10 **Bus departure from Brest** to Ifremer Institute
8:30 **Registration (Hall)**

**Introductory Talks**  
Chair: Abderrahim Bentamy

9:30 Words from the local host  
Abderrahim Bentamy

9:35 Words from the Co-Director IFREMER/Brest center  
Nicole Devauchelle

9:45 Introduction from the organizing committee  
Mark Bourassa (FSU)

9:50 CEOS OSVW-Virtual Constellation Update  
Paul Chang (NOAA/NESDIS), Julia Figa, and B.S. Gohil

10:05 Status overview of the European scatterometer activities  
Julia Figa Saldana (EUMETSAT), and K. Scipal (ESA/ESTEC)

10:20 Update on QuikSCAT, RapidSCAT, and the OVWST re-competition  
Eric Lindstrom (NASA HQ)

10:35 Discussion (10 minutes)

10:45 **Break & Poster Viewing (30 minutes) (Hall)**

**Atmosphere and Ocean Coupling**  
Chair: Mark Bourassa

11:15 The atmospheric response to weak SST fronts  
Niklas Schneider (International Pacific Research Center, University of Hawaii) and Bo Qiu (Department of Oceanography, University of Hawaii)

11:30 Surface Flux Modification by Wind Response to SSTs  
Mark Bourassa (Florida State University) and John Steffen

11:45 Spatial variances of wind fields and their relation to second-order structure functions and spectra  
Jur Vogelzang (KNMI), Gregory King, and Ad Stoffelen

12:00 Near-surface wind-current coupling, identified in satellite and in situ observations  
Nikolai Maximenko (IPRC, University of Hawaii),

12:15 Can GRACE-constrained ocean circulation estimates be used to evaluate and adjust QuikSCAT wind stress retrievals? Dimitris Menemenlis (Jet Propulsion Laboratory), Hong Zhang, David Moroni, and Carmen Boening

12:30 Discussion (30 minutes)

13:00 **Lunch (60 minutes) at IFREMER**  
\textit{** Brest Train Station**}
Monday June 2nd: Afternoon
Conference Room

14:00 Breakout Sessions for Working Group on Ocean Surface Stress
(other session cancelled)

Stress Chair: Jim Edson

14:00 Overview of working group

14:15 Effects of cloud snow in climate models on ocean surface wind stress and SST in the Pacific sector
Tong Lee (Jet Propulsion Laboratory), J.-L. Frank Li, W.-L. Lee, D. E. Waliser, Tong Lee, Justin P. Stachnik, Eric Fetzer, and Carmen Boening

14:30 New Applications of Scatterometry
MM Ali (NRSC), Mark Bourassa, David Long, and Jocelyn Elya

14:45 Retrieving Hurricane Scale Wind and Stress from scatterometers
W. Timothy Liu (Jet Propulsion Laboratory), Wenqing Tang, and Xiaosu Xie

15:00 Discussion (30 minutes)

15:30 Break and Poster Viewing (30 minutes) (Hall)

Oceanographic Applications Co-chairs: Tony Lee and Bruno Blanke

16:00 Wind-Driven Motions of the Upper Ocean Mixed Layer
Kathleen Dohan (Earth and Space Research)

16:15 Wind-induced Upwelling in the Kerguelen Plateau Region
Sarah T. Gille, Magdalena Carranza, Rémi Cambra, and Rosemary Morrow

16:30 Covariability Of Equatorial Winds And Sea Surface Height
Theodore Durland (CEOAS, Oregon State University), J. Thomas Farrar, Dudley B. Chelton, and Michael G. Schlax

16:45 Uncertainty in Ocean Surface Winds over the Nordic Seas
Dmitry Dukhovskoy (FSU) and Mark Bourassa

17:00 Wind Relaxations in the California Current Upwelling System
Melanie R. Fewings, Libe Washburn, Clive E. Dorman, Christopher Gotschalk, Kevin S.Brown, Ke Chen, and John Bane

17:15 The influence of non-wind based parameters on estimating the active and total whitecap coverage globally
Aaron Paget (Brigham Young University) and Mark A. Bourassa

17:30 Statistical Emulation of High Resolution SAR Wind fields from low-resolution model predictions
Liyun He Gueltelon (IFREMER), Bertrand Chapron, and Ronan Fablet

17:45 Discussion (30 minutes)

18:15 Close for the day

18:30 Bus departure for Brest City
Tuesday June 3rd: Morning
Conference Room

8:10  Bus departure from Brest to Ifremer Institute
8:30  Meeting space open (Hall)
9:00  Summary from Breakout Session for Working Group on Ocean Surface Stress

Ice Applications  Chair: Julia Figa
9:15  Long-Term Sea Ice Monitoring With Scatterometers at IFREMER/CERSAT
      Fanny Girard-Ardhuin (IFREMER)

Meteorological Applications  Co-chairs: Marcos Portabella and Ralph Milliff
9:30  Improvements in ambiguity removal of scatterometer winds
      Jur Vogelzang (KNMI), Ad Stoffelen, Wenming Lin, and Marcos Portabella
9:45  Satellite estimates of time-averaged surface wind divergence and vorticity in rain-free and all-weather conditions
      Larry O’Neill (Oregon State University), Ted Durland, Tracy Haack, and Dudley Chelton
10:00 Impact of East Asian Winter and Australian Summer Monsoons on the Enhanced Surface Westerlies over the
      Western Tropical Pacific Ocean Preceding the El Nino Onset
      Yangxing Zheng (COAPS, Florida State University), Renhe Zhang, and Mark A. Bourassa
10:15 Exploring the relationship between surface wind convergence and convective rainfall in the tropics
      Thomas Kilpatrick (Scripps Institution of Oceanography) and Shang-Ping Xie
10:30 Deuterated Water and Surface Vector Winds in a Madden-Julian Oscillation Event
      Ralph Milliff (CIRES, University of Colorado), Lesley L. Smith, David C. Noone, and Max Berkelhammer
10:45 Break and Poster Viewing (30 Minutes) (Hall)
11:15 Assimilation of Scatterometer Winds At METEO-FRANCE
      Payan Christophe (CNRM and Game, Météo France and CNRS)
11:30 Scatterometer Winds At ECMWF: Operational Status And Research Activities
      Giovanna De Chiara (ECMWF), Jean-Raymond Bidlot, Stephen J. English, and Peter A.E.M. Janssen
11:45 Scatterometer Wind Assimilation at the Met Office
      James Cotton (Met Office)
12:00 Scatterometer Utilization in JMA’s global numerical weather prediction (NWP) system
      Masami Moriya (Japan Meteorological Agency)
12:15 Assimilation of scatterometer winds in HARMONIE for wave and surge forecasting near the coast
      Ad Stoffelen (KNMI) and Gert-Jan Marseille
12:30 Discussion (30 minutes)
13:00 Lunch (60 minutes)
Tuesday June 3rd: Afternoon

14:00 - 15:30 Breakout Sessions for

Working Group on Climate (Conference Room)
Working Group on Coastal Applications (Ocean Room)

For schedule of talks see next page ➔

15:30 Break and Poster Viewing (30 minutes) (Hall)

Conference Room, 16:00 – 18:15

New Products and Applications Co-chairs: Julia Figa and Jochen Horstmann

16:00 Analysis of the C-band spaceborne scatterometers thermal noise
Anis Elyouncha (Royal Military Academy) and Xavier Neyt

16:15 Analysis of Turbulent Flux Quality
Abderrahim Bentamy (IFREMER), S. Grodsky; W. Bruch, B. Blanke, F. Desbiolles, K. Katsaros, A. Mestas-Nuñez, and R. Pinker

16:30 Retrieving Surface Wind Direction from Neural-Net Wind Speed Retrievals in Tropical Cyclones
Ralph Foster (University of Washington) and Jerome Patoux

16:45 Scatterometer and NWP model data in regional seas
Stefano Zecchetto (National Research Council of Italy) and C. Accadia

17:00 Multi-Scatterometer Hurricane Winds: Optimized Tropical Cyclone Winds from ASCAT, OceanSAT-2, and QuikSCAT
Bryan Stiles (Jet Propulsion Laboratory), Alex G. Fore, W. Lee Poulsen, Svetla Hristova-Veleva, and Michael J. Brennan

17:15 Measurements of Air-Sea Interaction from the HY-2A Scatterometer
Dudley Chelton (Oregon State University), Qingtao Song, Larry W. O'Neill, Marcos Portabella, Wenming Lin, and Ad Stoffelen

17:30 Wind Retrieval from Synthetic Aperture Radar Operating at Cross Polarization
Jochen Horstmann (Helmholtz Zentrum Geesthacht), S. Falchetti, C. Wackerman, M. Caruso and H. Graber

17:45 Discussion (30 minutes)

18:15 Close for day

19:00 Buffet Dinner at IFREMER

21:30 Bus Departure for Brest City
### Tuesday June 3rd: Afternoon Working Groups

#### Climate (Conference Room)  
**Chair:** Frank Wentz and Ad Stoffelen

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>14:00</td>
<td>Overview of working group</td>
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<tr>
<td>14:15</td>
<td>Standards in the evaluation of scatterometer products</td>
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<td>Ad Stoffelen (KNMI)</td>
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<td>14:30</td>
<td>ASCAT and SeaWinds Ocean Surface Vector Winds Along the Equator</td>
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<td>David Halpern (Jet Propulsion Laboratory) and Lucrezia Ricciardulli</td>
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<td>14:45</td>
<td>Climate signals in the ocean surface winds: Using QuikSCAT, ASCAT, and</td>
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<td>OSCAT to detect trends in the Hadley cell width and intensity and to</td>
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<td>study their intra-seasonal, seasonal and diurnal variability</td>
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<td></td>
<td>Svetla Hristova-Veleva (JPL), Ziad Haddad, Ernesto Rodriguez, and</td>
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<td>Bryan Stiles</td>
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<td>15:00</td>
<td>Discussion (30 minutes)</td>
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#### Coastal Applications (Ocean Room)  
**Co-chairs:** Melanie Fewings and Steve Morey

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<td>Upwelling events at the western African coast related to synoptic</td>
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<td>atmospheric structures: An analysis with satellite observations</td>
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<td>Fabien Desbiolles (LOS), B. Blanke, and A. Bentamy</td>
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<td>14:30</td>
<td>Discovering a Decade of Coastal Winds From Scatterometers</td>
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<td>Bryan Stiles (Jet Propulsion Laboratory), Alex G. Fore, P. Ted Strub,</td>
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<td>Corinne James, Michelle Gierarch, and Sermsak Jaruwatanadilok</td>
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<td>14:45</td>
<td>Understanding variability of global coastal upwelling using satellite</td>
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<td>scatterometer winds</td>
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<td>Steven Morey (Florida State University)</td>
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<td>15:00</td>
<td>Discussion (15 minutes)</td>
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#### 15:30  Break and Poster Viewing (30 minutes) (Hall)
Wednesday June 4th: Morning
Conference Room

8:10  Bus departure from Brest to Ifremer Institute
8:30  Meeting space open (Hall)

9:00  Summary from Breakout Session for Working Group on Coastal Applications
9:15  Summary from Breakout Session for Working Group on Climate

Current and Future Ocean Vector Wind Mission Updates

Co-chairs: Ernesto Rodriguez and Klaus Scipal

9:30  CFOSAT (Chinese-French Oceanic SATellite): an innovative mission combining surface ocean wind and wave measurements from Ku-Band scatterometry

9:45  Calibration of HY-2A Satellite Scatterometer with Ocean and Considerations of Calibration of CFOSAT Scatterometer
Xiaolong Dong (CAS Key Laboratory of Microwave Remote Sensing, National Space Science Center, CAS), Jintai Zhu, Risheng Yun, and Di Zhu

10:00 Evaluation of the HY-2A scatterometer wind quality
Wenming Lin (Institut de Ciencies del Mare CSIC), Marcos Portabella, Ad Stoffelen, Anton Verhoef, Antonio Turiel, Qingtao Song, Xingwei Jiang, and Dudley B. Chelton

10:15 Global Change Observation Mission (GCOM) (invited)
Haruhisa Shimoda (JAXA)

10:30 Progress Towards the Ku/Ka-band Scatterometer Missions
Mark Bourassa (Florida State University), Robert Gaston, David G. Long, Nikolai Maximenko, Ernesto Rodriguez, Frank Wentz, Shang-Ping Xie, and Dudley Chelton

10:45 DopplerScat: A Pencil-Beam Scatterometer and Surface Current Instrument
Ernesto Rodriguez (Jet Propulsion Laboratory, California Institute of Technology), M.M. Flexas, D. Menemenlis, D. Perkovic-Martin, and A. F. Thompson

11:00 Break and poster viewing (30 minutes) (Hall)

11:30 CYGNSS Mission Update
Chris Ruf (AOSS/University of Michigan), Robert Atlas, Paul Chang, Maria Paola Clarizia, Zorana Jelenak, Sharan Majumdar, and Aaron Ridley

11:45 Two-Look Polarimetric (2LP) Microwave Radiometers for Ocean Vector Wind Retrieval
Frank Wentz (Remote Sensing Systems), Kyle Hilburn, and Thomas Meissner

12:00 Aquarius Wind Speed Retrievals and Implications for SMAP Ocean Vector Winds
Alexander Fore (Jet Propulsion Laboratory), Simon Yueh, Wenqing Tang, Julian Chaubell, Gregory Neumann, Akiko Hayashi, and Adam Freedman
International Ocean Vector Wind Science Team Meeting
2 - 4 June 2014, Brest, France

12:15 The METOP-SG Satellites & the SCA Radar
Franco Fois (ESA) and John Julian William Wilson (EUMETSAT), C.C.Lin, M. Loiselet, C. Anderson, F. Ticconi K.Scipal, A. Stoffelen, and J. Figa

12:30 RapidScat
Ernesto Rodriguez (JPL), B. Stiles, A. Fore, D. Perkovic-Martin, S. Durden, and S. Boland

12:45 Discussion (15 minutes)

13:00 Lunch (60 minutes)

Wednesday June 4th: Afternoon
Conference Room

Climate Data Record Development and Analysis Co-chairs: David Halpern and Frank Wentz

14:00 Trends in 15 years (1993-2007) of satellite-derived oceanic evaporation
Alberto Mestas-Nunez (NSF), Frank Kelly, Abderrahim Bentamy, and Kristina Katsaros

14:15 Assessment of the impact of large sub-cell wind variability on ASCAT wind data quality
Marcos Portabella (Institut de Ciencies del Mar (ICM-CSIC)), Wenming Lin, Ad Stoffelen, Antonio Turiel, and Anton Verhoef

14:30 Field assessment of ocean wind stress derived using active and passive microwave sensors
Doug Vandemark (UNH/EOS), James Edson, Marc Emond, and Bertrand Chapron

14:45 Progress and Future Plans on an Ocean Vector Wind Climate Record
Lucrezia Ricciardulli (Remote Sensing Systems) and Frank Wentz

15:00 Climate data records from OSI SAF scatterometer winds
Anton Verhoef (KNMI), J. de Kloe, J. Verspeek, J. Vogelzang, and A. Stoffelen

15:15 Break and poster viewing (30 minutes) (Hall)

Lisan Yu (Woods Hole Oceanographic Institution)

16:00 Utilization of multi-satellite data for construction of high-temporal resolution data and high-accuracy daily-mean data
Masahisa Kubota (Tokai University), Atsushi Okuro, Shin'ichiro Kako

16:15 Discussion (30 minutes)

16:45 Meeting Wrap up

17:15 Close of meeting

17:15 Transportation will be organized for airport or Brest City
Posters (Hall Conference Room)

**Atmosphere and Ocean Coupling**

- Surface Curl and Ekman Upwelling Modification by Wind Response to SSTs
  Mark Bourassa (Florida State University) and Paul J. Hughes

- Coupled surface winds and ocean diurnal variability using WRF
  Rachel Weihs (Center for Ocean-Atmospheric Prediction Studies, Florida State University) and Mark Bourassa

- The Influence of Small Scale SST Gradients on Tropical Cyclone Development
  Russell Glazer (Florida State University - COAPS), Mark Bourassa, and Robert Hart

- Second-order structure function analysis of SeaWinds and ASCAT winds over the Tropical Pacific
  Gregory King (Gulbenkian Institute of Science), Jur Vogelzang, and Ad Stoffelen

- Upscale and downscale energy transfer over the tropical Pacific revealed by scatterometer winds
  Gregory King (Gulbenkian Institute of Science), Jur Vogelzang, and Ad Stoffelen

- Comparison of ASCAT and SeaWinds Velocity Difference PDFs
  Gregory P. King, Jur Vogelzang, and Ad Stoffelen

- Atmospheric forcing data sets to drive eddy-resolving global ocean general circulation models
  Raphael Dussin, Bernard Barnier, and Anne Marie Treguier

**Current and Future Ocean Vector Wind Mission Updates**

- The CYGNSS Mission Level 2 Wind Speed Retrieval Algorithm
  Maria-Paola Clarizia (University of Michigan), Christopher Ruf, Andrew O'Brien, and Scott Gleason

- The swell impact on HY-2 SCAT wind product quality
  He Wang (National Ocean Technology Center)

- CFOSAT Scatterometer Doppler processing and Data Product Development
  Risheng Yun (Key Laboratory of Microwave Remote Sensing (MIRS,CAS), Center for Space Science and Applied Research (CSSAR,CAS), Chinese Academy of Sciences), Xiaolong Dong, Di Zhu, and Xinou Xu

- An evaluation of simulated CYGNSS winds in tropical cyclone conditions
  Faozi Said (NOAA), Seubson Soisuvarn, Zorana Jelenak, and Paul S. Chang

**New Products and Applications**

- Improved ASCAT and OSCAT Spatial Response Functions for Enhanced Resolution Processing
  David G. Long (BYU), Richard Lindsley, Nathan Madsen, and Aaron Paget

- Tropical Cyclone Winds Validation from the OSCAT Neural Network Winds
  Seubson Soisuvar, Zorana Jelenak, Suleiman Alsweiss, and Paul Chang

- Estimation of Sea Surface Rainrate from SeaWinds Data Using Neural Network Methods
  David E. Weissman, Simona Doboli, and Anthony Esposito
Waves, Currents, and Ice
Wave and Wind Direction Effects on SFMR Brightness Temperatures
Heather Holbach (FSU COAPS), Eric Uhlhorn, and Mark Bourassa

Meteorological Applications
Scatterometer High Wind Observations
Zorana Jelenak (NOAA/NESDIS/STAR-UCAR), Joseph Siekievicz, Suleiman Alsweiss, and Paul S. Chang

GNSS-Reflectometry: A Cost-Effective Solution for Global Ocean Winds
Foti G., Gommenginger C., Robertson C., Shaw A.

Oceanographic Applications
The eSurge-Venice project: how scatterometer data can improve the storm surge forecasting in the Gulf of Venice
Stefano Zecchetto (National Research Council of Italy), F. De Biasio, A. della Valle, G. Umgiesser, M. Bajo, S. Vignudelli, and C. Donlon

An Analytical Model for the Cross-Polar Scattering of Microwave Radiation from Ocean
Franco Fois (TUDelft), P. Hoogeboom (TUDelft), F. Le Chevalier (TUDelft), and A. Stoffelen (KNMI)

Coastal Winds over the Patagonia Shelf
Paul Strub (Oregon State University) and Corinne James

Climate Data Record Development and Analysis
Towards ASCAT Backscatter Correction in Rain
Wenming Lin (Institut de Ciencies del Mare CSIC), Marcos Portabella, Ad Stoffelen, and Anton Verhoef

An analysis of the data quality and long term trends in the reprocessed radar backscatter from ASCAT-A
Craig Anderson (EUMETSAT), J Figu-Saldaña, R Huckle, JJW Wilson, F Ticconi, J Miller, C Duff, and H Bauch

Special Topics
New Ocean Wind and Scatterometry Datasets and Interoperability Services at the NASA PO.DAAC
David Moroni (NASA/JPL)

Observations of urban land targets using QuikSCAT L1B sigma0 data
Aaron Paget (Brigham Young University) and David G. Long