

Join the International Radiowave Oceanography Workshop ROW
and the WERA Operators Seminar in September!



Fantastic view from the WERA site, Hualpén, Chile

+++ "Mini Tsunami" detected by WERA - 40 minutes before it flooded Dutch beaches - PRESS RELEASE attached +++

- **ROW – September 19 – 21, 2017**
- **WERA Operators Seminar 2017 - September 25 – 29, 2017**
- **WERA for the Philippine HF radar network**
- **WERA Papers recently published**
- **Mark your calendar**

ROW 2017

19 – 21 September 2017



For complete information, please visit the
[ROW website](#)

The successful series of the **International Radiowave Oceanography Workshop (ROW)** has focused on the scientific aspects and ocean applications of high frequency radars. ROW 2017 is the next in this series and will provide a forum for researchers to discuss their results, swap data and algorithms, and identify priorities for future research.

Abstract submission deadline: July 28, 2017
Registration deadline: August 19, 2017

We would like to encourage all WERA users to join this fruitful exchange and look forward to interesting paper contributions.

Our Helzel team will contribute with two topics:
Meteotsunami signatures in WERA data
Over-the-horizon Ship Tracking

Klaus-Werner Gurgel will present a paper on MIMO.

WERA Operators Seminar

25 – 29 September 2017



This year's WERA Operators Seminar is planned to be held in Kaltenkirchen, Germany, 25 – 29 September 2017.

This seminar is an excellent opportunity for potential users or for operators who already work with the WERA system and data on a daily basis to get to know all you need to experience about our Ocean Remote Sensing Technology.

Day 1: Introduction of WERA, physics and technology

Day 2: WERA software concept, data handling, applications

Day 3: Networking event & meeting with WERA users

Day 4 and 5: Intensive training for operators, optimized for their specific needs

The whole group will visit one of the COSYNA WERA sites at the German North Sea coast when weather conditions allow us to do so.

Please visit our [homepage](#) to get more information or write an email to Birgit Hansen: hansen@helzel.com

WERA for the Philippine HF radar network

The Philippines, being an archipelagic country, has a critical need of a sea-state observation network. Various incidents at sea are common, ranging from fishermen getting lost at sea due to motor failure to wide ranging disasters such as storm surges and ship accidents due to powerful typhoon-driven waves.

The establishment of a nationwide High Frequency Radar Network will enable the Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA) to make real time observations via remote sensing of the sea state, and use such observations to improve regional forecasts of the ocean weather using numerical models. Accurate marine forecasts will contribute to a better disaster preparedness and hazard mitigation both at sea and along coastal communities.



Together with their Philippine partner [EAST ASIA Solutions Technologies Corporation](#) from Quezon City, Helzel Messtechnik is installing 8 WERA systems by the end of 2017 to deliver reliable data on ocean currents, waves and wind. The first systems are already delivering data. One of the stations will be equipped with a tsunami detection package.

The Central Data Processing stations for Ocean Weather prediction and Search-and-Rescue is located at PAGASA Central Office in Quezon City. The Ocean Radar data stream and all required interfaces and archives will be integrated into the existing forecaster's workstations system.

The user interface will be extended to allow remote monitoring of the status of the WERA stations and the related data links. The modern web-based WERA Data Management & Viewing system allows easy access to all real-time data as well as to archived data. A dedicated "Hazard Management" Interface will be provided on a separate data server which can be accessed by local disaster managers.

Recently published WERA papers:

Matthew R. Archer, University of Miami

The Florida Current: Mean Jet Structure, Meandering, and Velocity Fluctuations Observed with HF Radar

Mal Heron, Roberto Gomez, Bernd Weber, Anna Dzvonkovskaya, Thomas Helzel, Nicolas Thomas, Lucy Wyatt

Application of HF Radar in Hazard Management

Mal Heron, Arnstein Prytz, Roberto Gomez, Herman Peters

HF Radar for Port Management: Case study in the Port of Rotterdam

Vassilis Zervakis, Zoi Kokkini, Emmanuel Potiris (University of the Aegean)

Estimating mixed layer depth with the use of a coastal high-frequency radar

Andrew Middleditch, Simone Cosoli

Operational data management procedures for the Australian Coastal Ocean Radar Network

Z. Kokkini, M. Potiris, A. Kalampokis, V. Zervakis (University of the Aegean)

HF Radar observations of the Dardanelles outflow current in the North Eastern Aegean using validated WERA HF radar data

For detailed abstracts, please feel free to contact us by email at wera@helzel.com

Mark your calendar:

 Helmholtz-Zentrum
Geesthacht

Zentrum für Material- und Küstenforschung

ROW 2017, 19 - 21 September in Lüneburg, Germany
International Radiowave Oceanography Workshop



Oi oceanology
international
2018 13-15 MARCH 2018, LONDON, EXCEL

Meteorological
TECHNOLOGY
WORLD EXPO 2017

10 / 11 / 12 OCTOBER 2017
AMSTERDAM RAI
THE NETHERLANDS

