

# 2023 Midwest Chapter Meeting

- Current WEDA activities in WODA
- 2023 Environmental & Safety Awards



WEDA Midwest Chapter Meeting  
Louisville, TN February 21-23, 2023



# Guideline Book on Reservoir Dredging



## SUBGROUP TASKS

### SUBGROUP 1

BUILDING INVENTORY OF MAIN  
PROBLEMS REGARDING RESERVOIR  
SEDIMENTATION

### SUBGROUP 2

CHARACTERIZATION OF THE DIFFERENT TYPES  
OF RESERVOIRS

### SUBGROUP 3

BUILDING THE INVENTORY OF RESERVOIR  
DREDGING SOLUTIONS



## Guideline Book on Reservoir Dredging



## Dredging design for Dams and Reservoirs

Consider sediment management as part of new dam and reservoir designs

- Plan dredging locations and infrastructure
- Plan sediment conveyance routes along reservoir and past dam site
- Sustainable sediment management and sediment continuity to coastal areas

Dredging of existing reservoirs

- Determine potential dredging locations from reservoir sediment profile
- Determine dredging access and navigation
- Determine sediment conveyance routes along reservoir and past dam site
- Sustainable sediment management and sediment continuity to coastal areas



# Guideline Book on Reservoir Dredging



## Environmental Factors: Benefits vs. Impacts

- Regulatory bodies at Local, Regional, National, and International levels
- Applicable to both dredging and sediment placement location
- Water quality
- Air, noise, and community impacts
- Biological or habitat impacts (or benefits)
- Chemical suitability of sediment

## WEDA TEAM:

- Marcel Hermans Port of Portland;
- Dr. Tim J. Randle, Retired BER
- Michael Whelan, Anchor QEA
- Stan Ekren, GLDD





## WODA Safety Partnership

WODA leadership and Julie Hile, Safety Commission chair, are currently working on how WEDA can support our WODA sister branches in their efforts to bring safety representation to the forefront of dredging culture. Through conversations with Polite Laboyrie, Marcel Hermans, and Matt Binsfeld, plans are in motion to use the introduction of the Safety Framework as a springboard within CEDA, CHIDA and EADA.

Initial steps include:

- Addressing the prospect of an international safety collaboration with the WEDA Safety Commission
- Julie, Matt, and Marcel addressing the CEDA Board of Directors concerning the Safety Framework
- Positioning Hilko Timmer to stand up a CEDA Safety Commission with WEDA support

# WODA Safety Working Group Summary

## WODA Safety Framework

Over the past 1.5 years, WODA Safety Working Group has developed the WODA Safety Framework, a collection of dredging safety best practices. The aim is to aid in the improvement of international dredging safe operations and create a level playing field across dredging tenders.

The information compiled is not to be used as the premier safety standard or replacement for regulations; rather it is designed by industry experts as a guide for improving safe operations across the spectrum of international dredging organizations.

The information is presented in two parts:

- First being a table, which lists the safety interventions from traditional to transformative, and notes when the intervention is best applied in relation to the stages of the well-known Safety Culture Ladder.
- Secondly, each safety intervention is annotated with brief definitions and explanations of how normative safety interventions work.

The WODA Safety Working Group consists of:

- Group chair, Julie Hile, Hile Group, USA
- WODA liaison, Marcel Hermans, Port of Portland, USA
- Erin Jensen, Hile Group, USA
- Robert Ramsdell, DredgingResources.net, USA
- Hilko Timmer, Witteveen + Bos, the Netherlands
- George Yesu Vedha Victor, Dredging Corporation of India Ltd, India
- SMEs: Erwin Breider, Boskalis; Gao Wei, Xiuhan Chen, Tu Delft

# WEDA Environmental Excellence Awards

## Applications now being received

- Objective: Recognize the very best projects or programs that promote, build, or contribute to quality, reliable, sustainable, and resilient infrastructure
- New categories for 2023:
  - (1) Partnerships and Outreach/Education
  - (2) Innovation
  - (3) Sustainability and Carbon Reduction/Management
- New for 2023: Programs are also included, in addition to projects
- Three WEDA Environmental Excellence Awards, one for each of the three categories listed above. Each application should specify only one category.
- Process and Criteria: WEDA website under Awards.
- Applications due May 5, 2023. Four pages maximum.





**Beginning this year, awards include the long-standing:**

**Dredging Project Safety Excellence**

**Dredging Company Safety Excellence**

**and two new honors:**

**Industry Trade Partner Safety Excellence**

**Government/Stakeholder Safety Excellence**

**2023 application forms**

**drop November 30th at the “Safety Award” link**

**on WEDA’s webpage**

**Make our WEDA Chapter proud! If you feel your org is safety award-worthy or if you know an org that is, please apply!**



# **Congratulations to 2022 Winners**

## **Dredging Project Safety Excellence**

**Foth Infrastructure & Environment and Roan Salvage  
2021 FMM Blasting and Dredging Project**

## **Dredging Company Safety Excellence**

**J.F. Brennan Company, Inc.**







**On behalf of the WEDA**

**Many thanks for joining us at the Midwest  
Chapter Meeting  
and have a safe conference!**