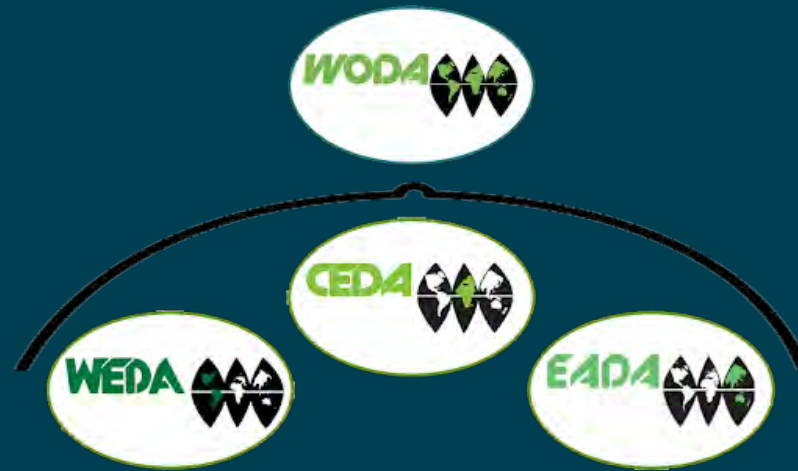




# World Organization of Dredging Associations

## Working Group on Reservoir Dredging

Tim Randle, Ph.D., P.E., D.WRE.  
Bureau of Reclamation, Denver, CO



**WODA is an independent, non-profit, professional organization :**

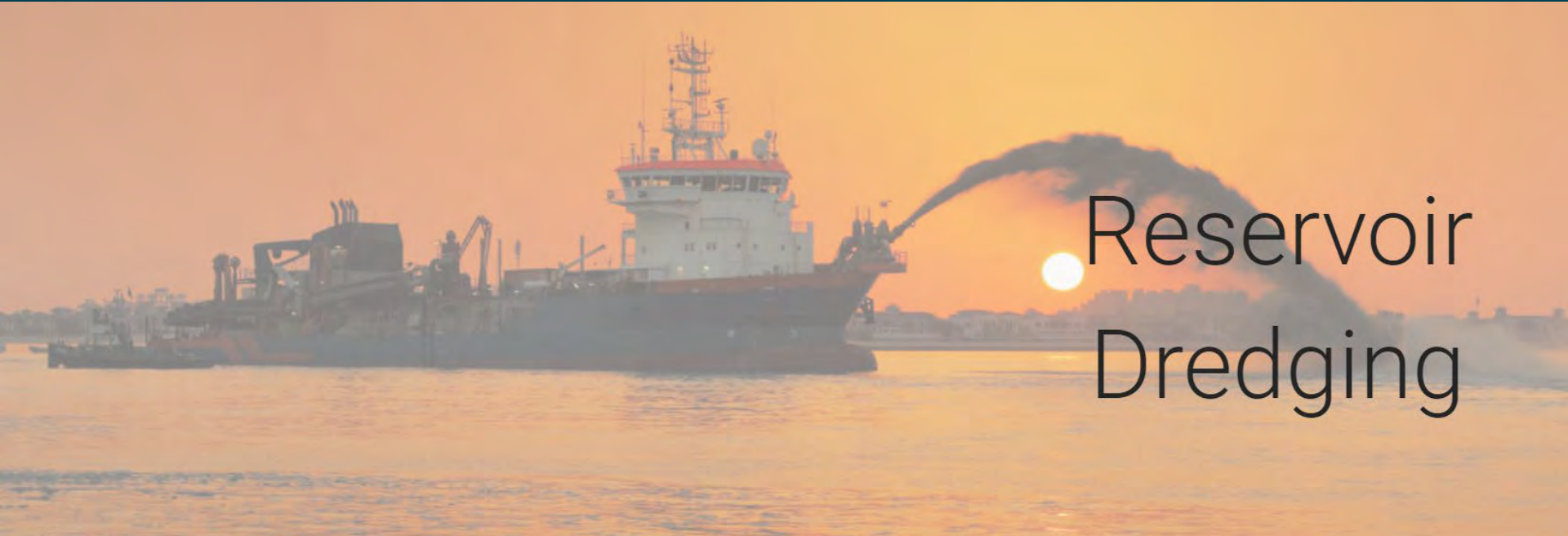
- **WEDA - Western Dredging Association**
  - North, South and Central America
- **CEDA - Central Dredging Association**
  - Europe, Africa and the Middle-East
- **EADA - Eastern Dredging Association**
  - Asian, Australian and Pacific region

# WODA's first ever Working Group

## Working Group on Reservoir Dredging

<http://woda.org/reservoir-dredging/>

Led by Polite Laboyrie and Xiuhan Chen



Reservoir  
Dredging

# Working Group Objectives

Provide guidance to reservoir managers, decision makers, stakeholders, consultants, universities, and equipment manufactures on the following topics:

- Extending the life of reservoirs
- Improving reservoir productivity
- Including dredging as a long-term program
- Improving reservoir ecosystems
- Best practices and case studies

# Working Group Members

- 40 members from 14 countries
- 13 from CEDA
  - Netherlands, United Kingdom, Italy
- 14 from EADA
  - China, India, Indonesia, Japan, Malaysia
- 12 from WEDA
  - United States, Brazil, Canada



# Draft Report Outline

## Building Inventory of Main Problems Regarding Reservoir Sedimentation

1. Introduction: magnitude and importance of reservoir sedimentation
2. Categorization of reservoir sedimentation problems
3. Challenge details
4. Rating or ranking of problems
5. Inventory of existing tools
6. Research

# Draft Report Outline

## Characterization of the Different Types of Reservoirs

7. Introduction of characterization
8. Potential sediment management methods
9. Purpose and main function or use of reservoir
10. Dam size and characteristics
11. Reservoir Size
12. Reservoir sedimentation characteristics
13. Reservoir topography and access
14. Sediment placement locations
15. Databases

# Draft Report Outline

## Building The Inventory of Reservoir Dredging Solutions

16. Introduction: Definition of Dredging
17. Division on solutions
18. Inventory of effective solutions from literature
19. Dredging processes and boundary conditions
20. Boundary conditions and challenges
21. Economics
22. Types of contracts
23. Flowchart of guidance towards solutions

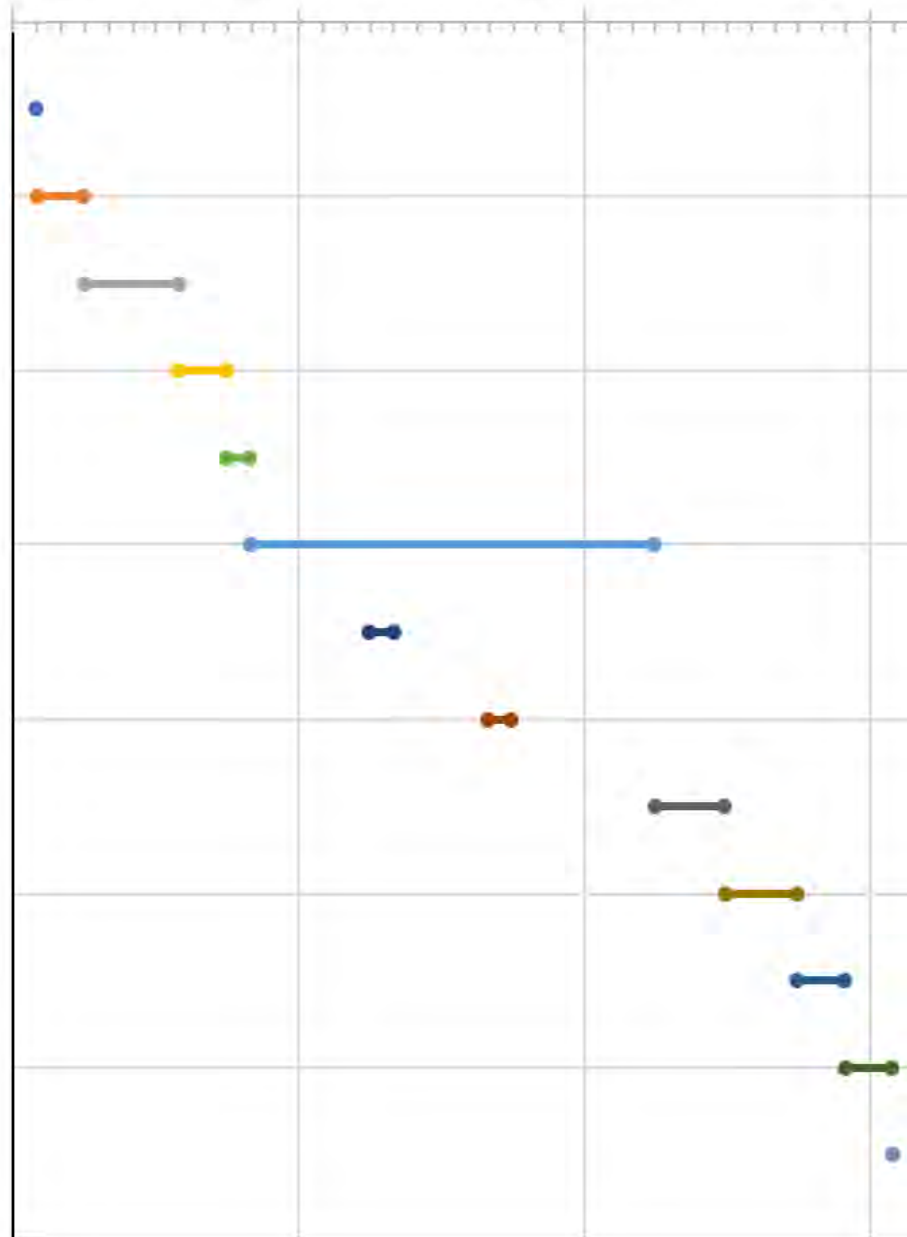


Sep-2020

Sep-2021

Sep-2022

Sep-2023



Working Group established

Assign members to three subgroups

Develop Subgroups outlines

Develop overall outline

Assigning writing tasks

Writing by Subgroups members

Progress meeting of Subgroups

Presentation at World Dredging Congress

Entire document combined

Editing and approval by Working Group

Peer review

Final editing

Release Final Publication



Thank you