

中国疏浚协会

中疏协字〔2022〕48号

关于转发第23届世界疏浚大会 《世界疏浚联合会关于疏浚行业脱碳的共识》 的通知

各会员单位：

现将第23届世界疏浚大会发布的《世界疏浚联合会关于疏浚行业脱碳的共识》转发给你们。

中国疏浚协会作为世界疏浚联合会 EADA（东部疏浚协会）重要成员之一，号召各会员单位，积极采取相关行动，为世界疏浚业脱碳（指逐步降低碳排放）作出贡献。

- 附件：1. 《World Organization of Dredging Associations Statement on the Decarbonization of Dredging》
2. 《世界疏浚联合会关于疏浚行业脱碳的共识》（中国疏浚协会翻译）



抄送：理事长、常务副理事长、副理事长

中国疏浚协会秘书处

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World Organization of Dredging Associations Statement on the Decarbonization of Dredging

Dredging is essential to maintaining and improving our quality of life, economic well-being, and ecosystem health. This is achieved through creating and maintaining marine and freshwater infrastructure, contributing to climate mitigation and adaptation/resilience, ensuring the reliability of water-based supply chains, providing minerals and construction materials, supporting sustainable offshore energy production and enhancing the environment.

The World Organization of Dredging Associations (WODA)¹ endorses the significance and necessity of the 2015 UN Paris Climate Change Agreement and the 2015 UN Sustainability Goals to achieve a better and more sustainable future. This statement builds on and furthers earlier WODA statements on Sustainable Dredging (2013), on Mitigating and Adapting to Climate Change (2016) and the Shanghai Consensus for Promoting Sustainable Dredging Development (2019).

Decarbonization², i.e. reducing the emissions of CO₂, and other greenhouse gases by all sectors is central to achieving the objectives of both UN agreements. The dredging community recognizes that this includes immediate action by all those involved in dredging and marine construction.

Given its broad membership covering a wide range of stakeholders, including project owners, dredging companies, designers and builders of dredging vessels and their suppliers, as well as consultants and academia, small and large, WODA will leverage its unique position to expedite decarbonization of dredging. WODA's ambition is to contribute to dredging decarbonization through enhanced communication, mutual trust, and cooperation within the dredging community.

Members of WODA recognize that:

1. A combination of measures is needed since there is no single action that leads to achieving UN greenhouse gas emission goals.
2. An integrated, holistic approach to carbon management should be sought that includes:
 - Design and implementation of dredging projects;
 - Optimization of dredging processes;
 - Innovations in the design of dredging vessels, and equipment, and;
 - Use of sediment to support carbon sequestration opportunities.

¹ WODA provides an independent forum for improving communication and technology transfer and promoting integration and understanding of knowledge and experiences among all interested stakeholders to facilitate the economic, social, and ecological sustainability of dredging and navigation projects and environmental clean-up of contaminated sediments. www.woda.org

² For the purpose of this document, the term decarbonization encompasses the reduction of all green-house gases.



World Organisation of Dredging Associations

**CENTRAL DREDGING ASSOCIATION - CEDA
EASTERN DREDGING ASSOCIATION - EADA
WESTERN DREDGING ASSOCIATION - WEDA**

3. An effective way to reduce the emission of greenhouse gases is to reduce the use of fossil fuel consumption. A switch to low-carbon alternative fuels will be an important component of any reduction goals.
4. The Life-Cycle approach to assessing both the short-term and long-term impacts of dredging projects should be used to develop realistic methodology for dredging decarbonization.
5. Flexible, evidence-based, science-informed and globally aligned frameworks are crucial for the timely and efficient implementation of innovative solutions to the reduction of global climate change.

Members of WODA are committed to:

1. Increasing dredging project energy efficiency, reducing fossil carbon and other greenhouse gas emissions.
2. Leveraging technology and dredging knowledge to promote the transition from fossil fuels to sustainable energy sources.
3. Advancing and promoting innovation, dredging knowledge, and best practices and sharing these within and outside the dredging community.
4. Engaging with stakeholders and partners to find optimal efficiency for effective solutions considering economic, societal, and environment conditions.
5. Providing objective sources of relevant knowledge and experience to ensure that decision making pertaining to decarbonization of dredging projects is based on sound technical and scientific knowledge.



Polite Laboyrie
Chairman of WODA
19 May 2022
Copenhagen, Denmark

世界疏浚联合会 关于疏浚行业脱碳的共识

(中国疏浚协会翻译)

疏浚对于维持和改善我们的生活质量、经济发展和生态系统健康至关重要。这是通过建设和维护海洋和江河湖库基础设施、减缓全球气候变暖速度、确保供应链的可靠性、提供矿产、建筑材料支持和可持续的海上能源生产来实现的。

世界疏浚协会(WODA)认可 2015 年联合国巴黎气候变化协议和 2015 年联合国可持续发展目标——“以实现更美好、更可持续的未来”的重要性和必要性。本共识建立在 WODA 早期发布的《关于可持续疏浚》(2013)、《减缓和适应气候变化》(2016)以及《促进可持续疏浚发展共识》(上海, 2019)的基础上。

为达到脱碳来减少温室气体的排放[在本共识中, 脱碳一词是指逐步减少所有温室气体]这一目标, 各部门都是实现这项协议目标的核心。疏浚行业全体人员应该立即采取行动。

鉴于 WODA 成员众多并涵盖了广泛的利益相关者, WODA 希望利用其独特的地位来加快疏浚行业的脱碳减排。WODA 的目标是通过加强疏浚行业内的沟通、互信和合作来实现疏浚脱碳减排——这包括项目业主、疏浚公司、疏浚船舶的设计者和建造者及其供应商, 以及学术界顾问。

WODA 成员认识到:

1. 需要采取多种措施：因为没有单一的行动能够实现联合国的温室气体排放目标。

2. 应寻求一种综合、整体的碳管理方法，包括：

疏浚项目的设计和实施；

优化疏浚过程；

疏浚船舶和设备的设计创新，以利用沉积物来实现碳封存。

3. 减少温室气体排放最直接有效的途径是减少化石燃料的使用。转向低碳替代燃料将是减排的重要手段。

4. 应使用生命周期方法来评估疏浚项目的短期和长期影响，以制定切实可行的疏浚脱碳方法。

5. 创造、恢复和增强自然栖息地、湿地和沼泽等碳汇是疏浚对全球温室气体减排贡献的必不可少的要素。疏浚沉积物必须被视为实现这些活动的重要因素。

6. 以证据为基础、以科学为依据且全球统一的灵活框架对于及时有效地实施有助于实现全球气候变化目标的创新解决方案至关重要。

WODA 成员承诺：

1. 提高疏浚工程能效，减少二氧化碳（CO₂）和其他温室气体排放；

2. 利用技术手段，促进化石燃料向可再生绿色能源的转变；

3. 推进创新、疏浚知识和最佳实践，并在行业内外共享；

4. 与利益相关者和合作伙伴合作，在充分考虑经济、社

会和环境条件的情况下，找到有效解决方案的最佳可行性方案。

5. 提供相关知识和经验的客观来源，以确保疏浚脱碳减排决策基于可靠的技术和科学知识。这包括进一步实现减缓气候变化的目标。

Polite Laboyrie 先生

世界疏浚协会主席

2022 年 5 月 19 日

丹麦，哥本哈根