



COLLECTING, COMMUNICATING, AND CREATING A COMMUNITY FOR NATURE-BASED SOLUTIONS

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NNBF Symposium
Edinburgh, Scotland
16 May 2019



US Army Corps
of Engineers

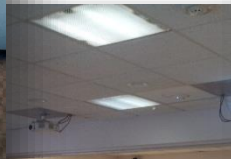


ERDC
ENGINEER RESEARCH & DEVELOPMENT CENTER

FRIANT DAM ON THE SAN JOAQUIN RIVER, CA



ENGINEERING WITH NATURE *PROVING* *GROUNDS*: PEOPLE AT WORK



US Army Corps of Engineers • Engineer Research and Development Center

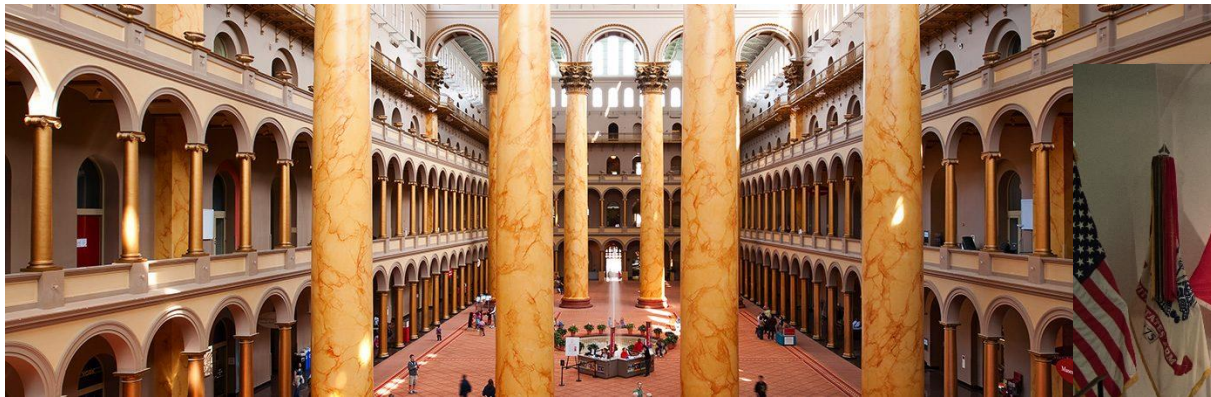
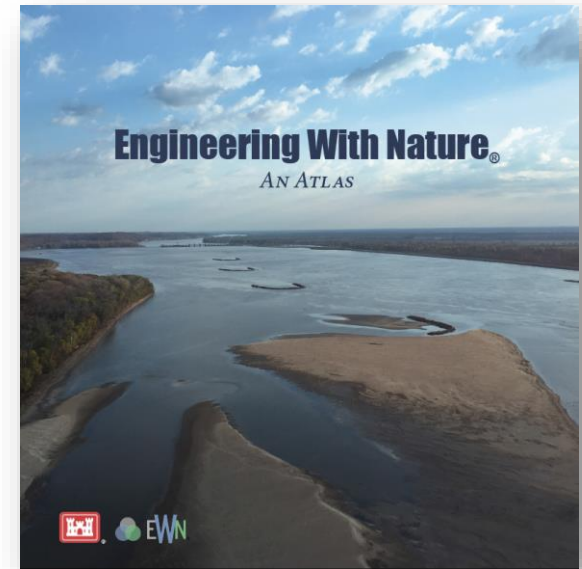
EWN ATLAS LAUNCH EVENT

10:30-12:00

January 16, 2019

National Building Museum
Washington, D.C.

“Engineering With Nature is an important initiative for the U.S. Army Corps of Engineers.” James Dalton, USACE Director Civil Works



www.engineeringwithnature.org



Call for Project Nominations

Engineering With Nature®: An Atlas – Volume 2

Publication Launch fall 2020!

Evaluation Criteria

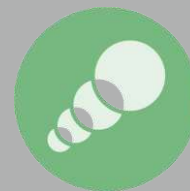
Using science and engineering to produce operational efficiencies.



Using natural processes to maximum benefit.



Increasing the value provided by the project to include social, environmental, and economic benefits.



Using collaborative processes to organize and focus interests, stakeholders, and partners.



www.engineeringwithnature.org

<https://ewn.el.erdc.dren.mil/atlasv2.html>

INTERNATIONAL GUIDELINES ON THE USE OF NATURAL AND NATURE-BASED FEATURES FOR SUSTAINABLE COASTAL AND FLUVIAL SYSTEMS

Purpose: Develop guidelines for using NNBf to provide engineering functions relevant to flood risk management while producing additional economic, environmental and social benefits.

- Publish NNBf technical guidelines by 2020:
 - ▶ Multi-author: government, academia, NGOs, engineering firms, construction companies, etc.
 - ▶ Addressing the full project life cycle
 - ▶ Guidelines in 4 Parts
 - Overarching
 - Coastal Applications
 - Fluvial Applications
 - Conclusions



THE WORLD BANK



Environment Agency

JACOBS



HR Wallingford



EDF ENVIRONMENTAL DEFENSE FUND

Finding the ways that work



WWF



Tonkin+Taylor



KIOST KOREA INSTITUTE OF OCEAN SCIENCE & TECHNOLOGY



GREAT LAKES PROGRAM CENTER



Biohabitats



EcoShape building with nature



The Nature Conservancy
Protecting nature. Preserving life.



LimnoTech Water Environment, Scientists, Engineers



US Army Corps of Engineers®



Deltares Enabling Delta Life



Rijkswaterstaat Ministry of Infrastructure and Water Management



Stanford University



RAMBOLL



ecology and environment, inc. Global Environmental Specialists



NNBF GUIDELINES F2F WORKING MEETINGS

- Vicksburg, MS; Oct '16
- London etc., UK; Jul '17
- Silver Spring, MD, Oct '17
- Delft, NL; Mar '18
- Santa Cruz, CA; Sep '18
- Edinburgh, Scotland; May '19

