

Working with Nature in the Americas: Generating Ecosystem Services in the Waterborne Transport Sector

Full Day (8 hr) Short Course

May 6, 2018

Panama City, Panama

Course Objective

This short course will discuss the application of Working with Nature in practice. The short course will draw from three active PIANC EnviCom Working Groups: Working Group 176 on Working with Nature (WwN); Working Group 195 on Ecosystem Services; and Working Group 175 on Managing Environmental Risks. Each topic will be discussed as it relates to waterborne transport infrastructure and an international collection of case examples will be presented illustrating how projects can effectively create ecosystem services while managing risks. Several projects that are WwN-certified by PIANC will be presented as examples of how WwN concepts can be applied in the Americas and globally.

Scope

PIANC developed the WwN concept to consider project objectives in the context of ecosystem services, and designs that rely on natural processes to achieve project objectives while yielding multiple economic, social, and environmental benefits. This course will provide an overview of the activities of the PIANC EnviCom specifically as they relate to WwN (WG176); we anticipate publication of the WG176 *Working with Nature Guidance* prior to the 2018 World Congress.

Instructors

Todd Bridges, Al Cofrancesco, Burton Suedel (USACE); Victor Magar (Ramboll USA); Jan Brooke (UK); Elmar Fuchs (Germany); Esteban Biondi (PIANC RecCom); others to be determined