



## Terms of Reference for a PIANC-ICOMIA Joint Working Group

### **Working group 132 (RecCom)**

## **Dry Stack Storage**

### **1. Background**

In developed boating market countries today it is increasingly difficult for those small boat owners, who would rather keep their boat on the water than trailer it back and forth from home, to find a convenient, affordable wet slip. The diminishing availability of waterfront property for new marinas, the trend to dockominiums, the reconfiguration of existing marinas to accommodate larger vessels , and resulting higher costs of leasing or owning a slip, are contributing factors.

Practical alternatives are urgently needed to provide boat storage capacity for small recreational power boats and sailboats. One concept, that is gaining popularity worldwide, is dry stack storage: small boats are racked in land-based facilities from which they can be easily transferred to the water. By stacking the boats, less area is needed than keeping the boats afloat or parking them on trailers.

In 1980 an article on dry stack storage was published in Bulletin 37 called 'Dry berthing of pleasure boats'. Since then, boats have grown in dimensions and weight and devices for dry stack storage have developed as well. But most important, the need to reduce the on land parking space for boat is pressing even more.

## **2. Objective**

PIANC and ICOMIA establish a joint working group to study and make an inventory of dry stack storage systems. The main goal of the work group is to produce practical guidelines for designing, building, operating and maintaining dry stack storage facilities world wide.

## **3. Final product**

PIANC will publish these guidelines and a representative review of practical examples in a concise report. The guidance shall focus on the following items:

- 1) Boat storage and handling
- 2) Boat launching and recovery
- 3) Boat staging/user movement
- 4) Dry storage equipment
- 5) Motor vehicle parking
- 6) Fueling and sewer pump-out facilities
- 7) Office and ships store
- 8) Staff requirements

## **4. Approach**

The working group will do an inventory of dry stack storage by scanning the internet and available publications. Where applicable additional information will be asked to companies either selling or manufacturing dry stack storage constructions and/or equipment. The help of ICOMIA is very much appreciated in this respect.

## **5. Recommended members**

- 1) Marina designers
- 2) Marina owners
- 3) Equipment designers
- 4) Boat owners

## **6. Relevance for countries in transition**

Shortage of storage area occurs in practice in developed countries only and is of little relevance for countries in transition.