



International Association  
for Hydro-Environment  
Engineering and Research

*Hosted by*  
Spain Water and IWHR, China

# IAHR MEDIA LIBRARY 2019

## THE NEW WEBSITE

[WWW.IAHRMEDIALIBRARY.NET](http://WWW.IAHRMEDIALIBRARY.NET)



# The IAHR Media Library

***All these materials are analyzed, categorized and archived.***

The IAHR Media Library is a web resource for the storage and dissemination of photographic, animated and video material relating to hydraulics, hydrology and water resources including: photos of technical interest, films of technical interest, other similar material, with brief technical descriptions, an adequate classification system, an

identification of technical areas. A second area of the IAHR Media Library is devoted to teaching tools in hydraulics. Any kind of additional educational resource can be included: slides of class lectures and seminars, didactic computational software, documentation of appropriate field cases, e-learning tools, e-books and bibliographies.

# The IAHR Media Library

The IAHR Media Library was officially launched on November 15, 2004 and the first files were inserted on February 10, 2005. Many years have passed since the birth of the site and the total number of visitors is now very high. Initiatives of the IAHR Media Library regarding films of interest to Fluid Mechanics were previously employed by the ASME, as can be one read in the

Journal of Fluids Engineering, June 1976, pp. 151-155. Of course, not having a website in 1976, the Fluid Mechanics Committee accumulated a film catalogue, realizing, however, that many of these films were not widely distributed amongst researchers. To help put these films into the hands of researchers, the creation of an Engineering Societies Library (ESL) was proposed in order to obtain, store and distribute the videos. The IAHR Media Library represents the evolution of this idea.

The web site was launched by Prof. Michele Mossa of the Polytechnic University of Bari (Italy) with the initial support of

Fondazione Caripuglia, Bari, Italy for the Research Project LIC-MON of 2003 and of the Project IMCA (Integrated Monitoring of Coastal Areas) financed by MIUR PON D.M. 593/00. Later, the initiative was supported with other Prof. Michele Mossa's funds, most recently provided by the RITMARE Project. The RITMARE flagship project (Ricerca Italiana per il Mare, Italian Research for the Sea) is one of the National Research Programs funded by the Italian Ministry of University and Research. RITMARE is the leading national marine research project for the period 2012-2016; the overall project budget amounts to 250 million euros, co-funded by public and private resources.



# AIM and SCOPE

Most fluid flows involve complex time - and space - dependent phenomena that are considerably facilitated by visualization. From the first drawings of Leonardo da Vinci to the state-of-the-art quantitative visualization tools of today, researchers have continued to use visualization for investigating flows.

The IAHR Media Library attempts to gather, in one place, didactic, scientific and technical multi-media visualization materials (photographs, movies, slide shows) of broad interest in the area of hydraulic engineering and

research.

The Library includes theoretical, experimental and computational multimedia materials relevant to hydraulics and fluid mechanics, within various fields of application (rivers, estuaries, coastal zones, environment, structures and industrial flows).

The collection also includes information about water-related disciplines. The IAHR Media Library includes other relevant materials (lectures, simple simulation engines, etc) aiming to become the central IAHR educational resource.

# Library contents classification

## Methods in Hydraulics

- > Experimental methods and physical methods
- > Fluid mechanics
- > Hydraulics instrumentation
- > Hydroinformatics
- > Probabilistic methods

## Applied Hydraulics

- > Fluid phenomena in energy exchanges
- > Hydraulic machinery and systems
- > Hydraulic structures
- > Industrial two-phase flows
- > Urban drainage
- > Water resources management

## Geophysical Hydraulics

- > Eco-hydraulics
- > Fluvial hydraulics
- > Groundwater hydraulics
- > Ice research and engineering
- > Maritime hydraulics

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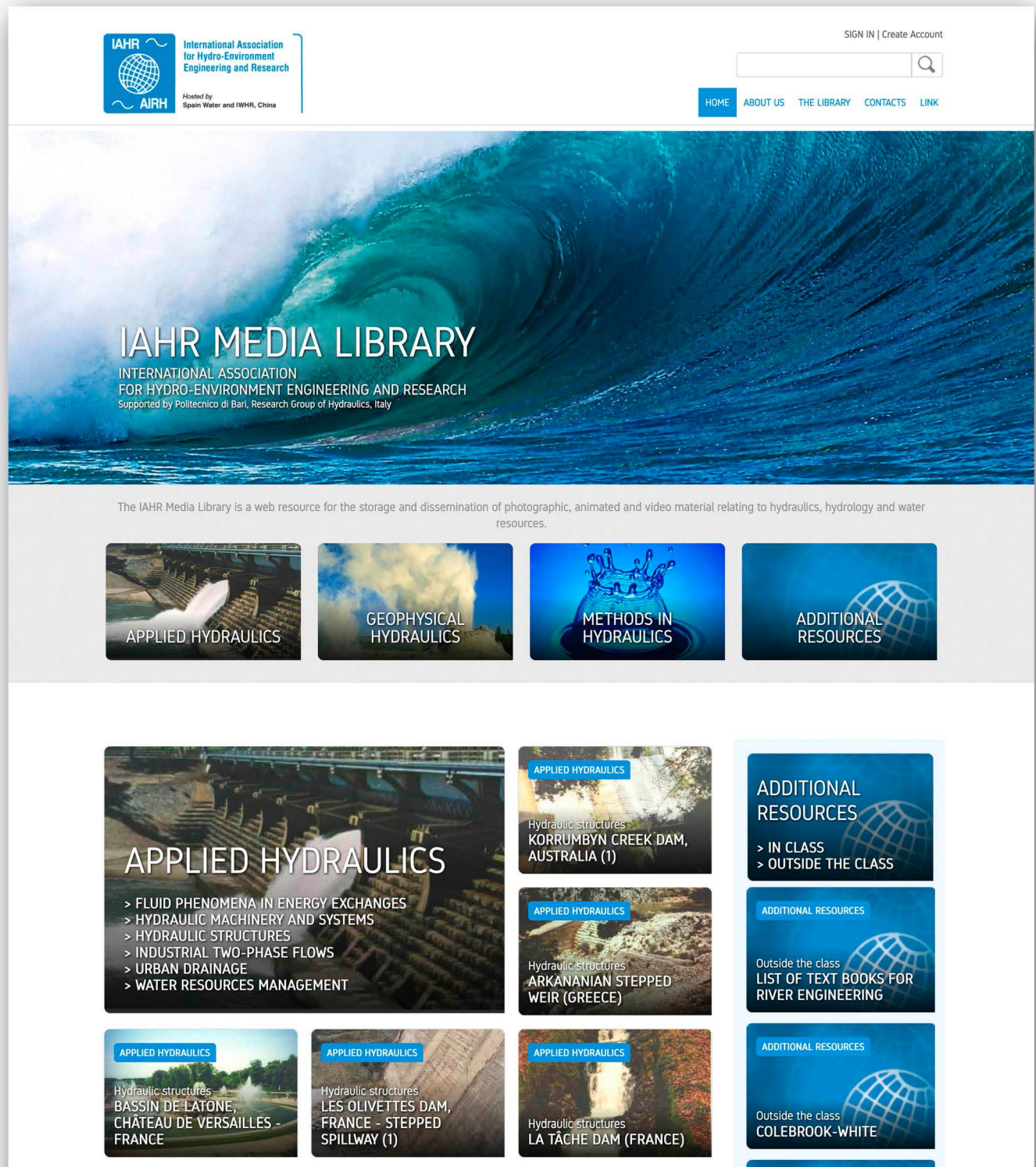
## Additional resources

- > In class
- > Outside the class



# New website technologies


- > Proprietary PHP code
- > PHP with MySQL database
- > Powerful internal search engine
- > home page with random articles divided by categories
- > Fully responsive HTML/CSS
- > Mobile and tablet compatible
- > Registration form to create accounts
- > Protected area with password for insert articles



# New website

## Internal page

- > Articles with text, photos, videos and attachments
- > Video on server
- > YouTube web video channel
- > Most popular articles



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# THE LIBRARY

## APPLIED HYDRAULICS

### URBAN DRAINAGE

Home / The library / Applied Hydraulics / Urban drainage / FLOOD IN BARI (ITALY) - OCTOBER 2005 (1)

## FLOOD IN BARI (ITALY) - OCTOBER 2005 (1)



### DESCRIPTION

The studied zone is highly permeable and is characterized by a drainage network which is not always defined. It is constructed of numerous natural incisions which, locally, are called "lame". The main hydraulic characteristics of floods are described evidencing the effect of ungovernable and chaotic anthropogenic impact, that, being united with incorrect planning, result in catastrophic events. A high level of attention must always be given to the protection of the territory in order to avoid high risk situations. Once hydraulic operations are carried out they must be maintained in order to continue their efficiency which cannot be put to risk by poor territorial planning.

### ADDITIONAL NOTES

INVITED PAPER: Mossa, M., 2007, The floods in Bari: what history should have taught, Journal of Hydraulic Research, Vol. 45, No. 5, pp. 579-594

### AUTOR

Michele Mossa

### MOST POPULAR

#### GEOPHYSICAL HYDRAULICS

Fluvial hydraulics  
**AMAZON RIVER**

#### APPLIED HYDRAULICS

Urban drainage  
**FLOOD IN BARI (ITALY) - OCTOBER 2005 (1)**

#### APPLIED HYDRAULICS

Urban drainage  
**FLOOD IN BARI - ITALY (01)**

#### APPLIED HYDRAULICS

Hydraulic structures  
**BIESCAS BRIDGE, SPAIN (2)**

#### APPLIED HYDRAULICS

Hydraulic structures  
**CANAL DE LACHINE / LACHINE CANAL - CANADA**



# New website

## Internal page

- > Related articles
- > Articles with similar content

### COPYRIGHT

Courtesy of Guardia di Finanza - Sezione Aerea di Bari Palese (Oct. 23 2005)

### RELATED ARTICLES

#### APPLIED HYDRAULICS

Urban drainage  
FLOOD IN BARI (ITALY) -  
OCTOBER 2005 (2)

#### APPLIED HYDRAULICS

Urban drainage  
FLOOD IN BARI (ITALY) -  
OCTOBER 2005 (3)

#### APPLIED HYDRAULICS

Urban drainage  
FLOOD IN BARI (ITALY) -  
OCTOBER 2005 (4)

#### APPLIED HYDRAULICS

Urban drainage  
FLOOD IN BARI (ITALY) -  
OCTOBER 2005 (5)

### KEYWORDS

Bari drainage flood hydrological risk

### SEE ALSO

#### APPLIED HYDRAULICS

Urban drainage  
FLOOD IN BARI - ITALY (01)

#### APPLIED HYDRAULICS

Urban drainage  
FLOOD IN BARI - ITALY (02)

#### APPLIED HYDRAULICS

Urban drainage  
FLOOD IN BARI - ITALY (03)

#### APPLIED HYDRAULICS

Urban drainage  
FLOOD IN BARI - ITALY  
(04)

#### APPLIED HYDRAULICS

Urban drainage  
FLOOD IN BARI - ITALY (05)

#### APPLIED HYDRAULICS

Urban drainage  
FLOOD IN BARI - ITALY (06)

#### APPLIED HYDRAULICS

Urban drainage  
FLOOD IN BARI - ITALY (07)

#### APPLIED HYDRAULICS

Urban drainage  
FLOOD IN BARI - ITALY (08)

#### APPLIED HYDRAULICS

Urban drainage  
FLOOD IN BARI - ITALY (09)

### IAHR MEDIA LIBRARY

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