

Report on IAHR Media Library on August 2009

Michele Mossa
TECHNICAL UNIVERSITY OF BARI
D.I.A.S.S.
Via E. Orabona, 4 - 70125 Bari (ITALY)
ph.: + 39 080 596 3289 - fax: + 39 080 220 9969
e-mail: m.mossa@poliba.it



INITIATIVE OF THE IAHR MEDIA LIBRARY

Initiatives of the IAHR Media Library regarding films of interest to Fluid Mechanics were previously employed by ASME, as one reads 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.

IAHR Media Library represents the evolution of that idea. It has developed thanks to the contributions of many researchers.



AIMS 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 will add other relevant materials (lectures, simple simulation engines, etc.) aiming to become the central IAHR educational resource.



AIMS AND SCOPE

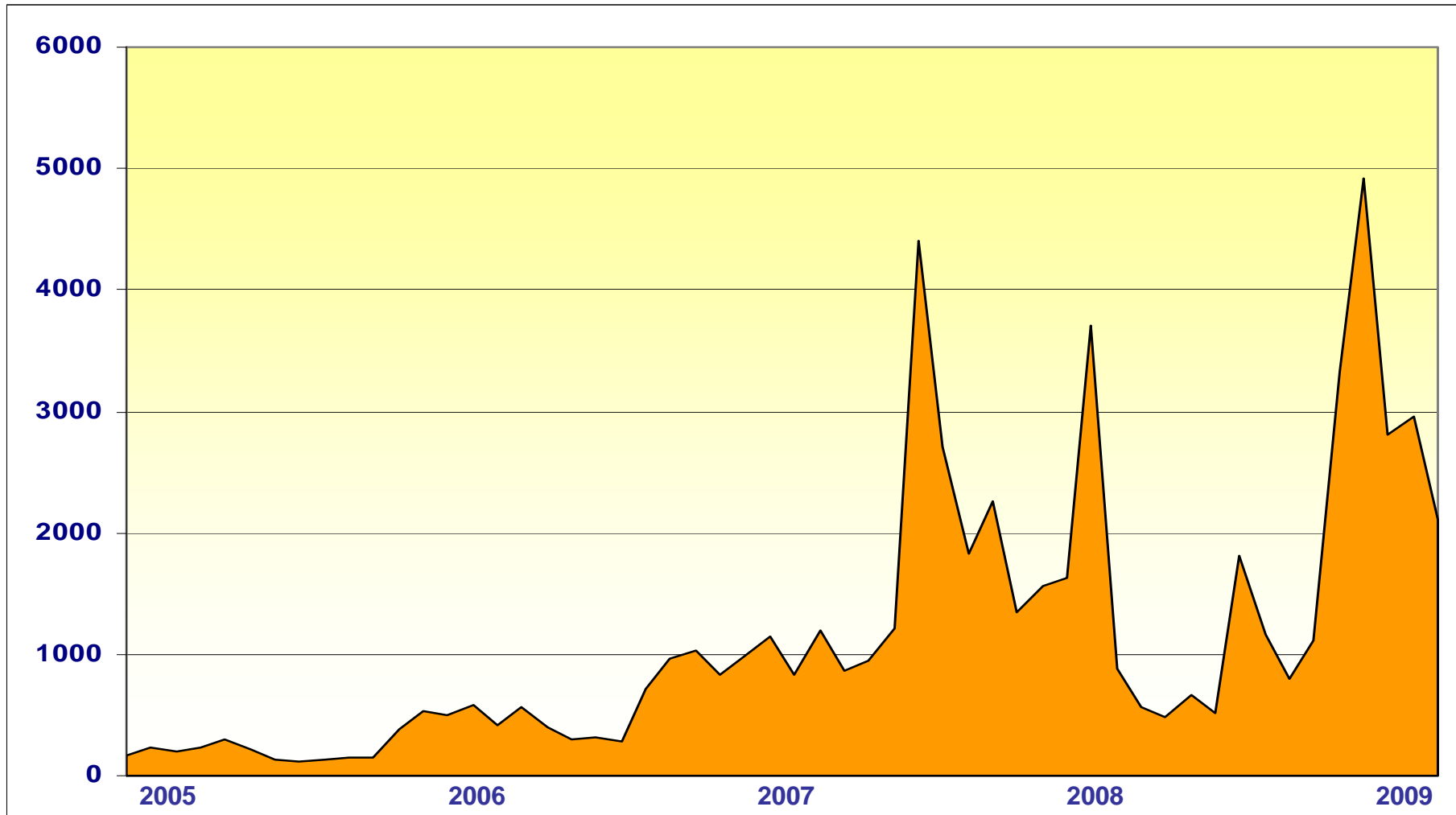
Starting from July 2008 the web resource consists in two areas. The first one is devoted to movies and photos, whereas the second one is primarily devoted to any kind of educational resources in electronic format, such as:

- slides of class lectures and seminars
- didactic computational software
- documentation of appropriate field cases
- e-learning tools
- e-books
- bibliographies.



PAGE VIEWS FROM JANUARY 2005

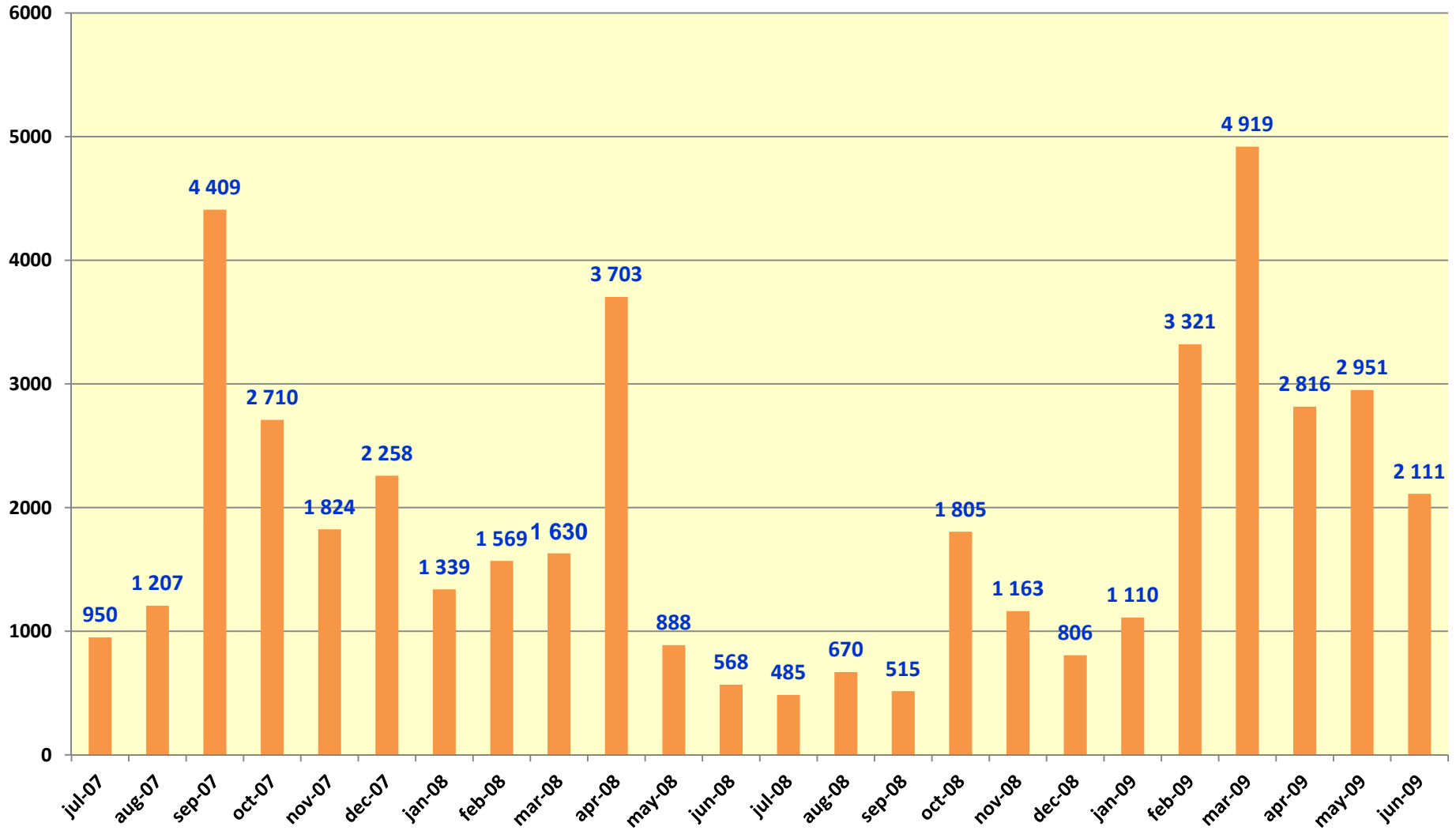
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PAGE VIEWS - LAST 24 MONTHS

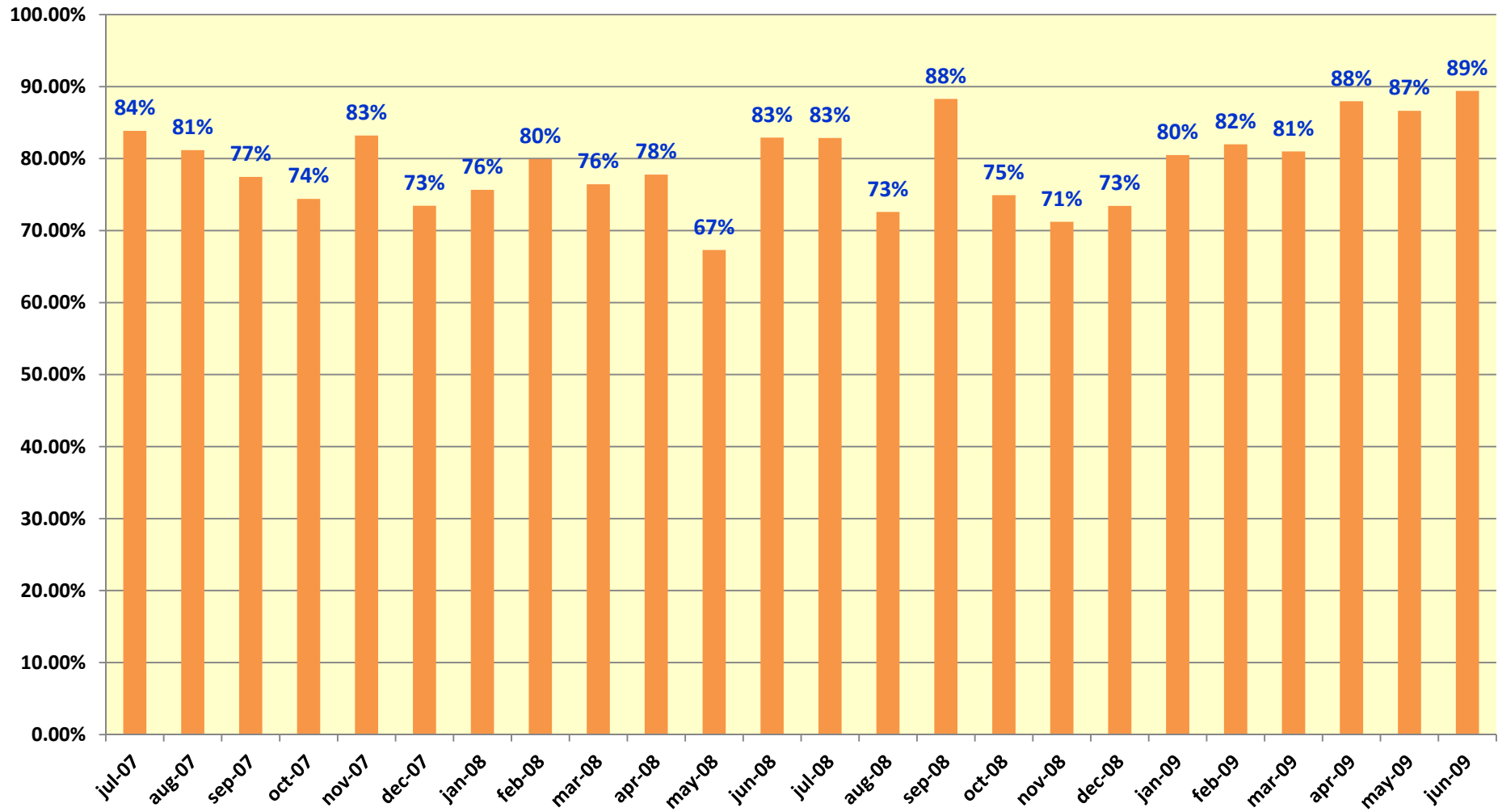
Total = 45792





% NEW VISITORS - LAST 24 MONTHS

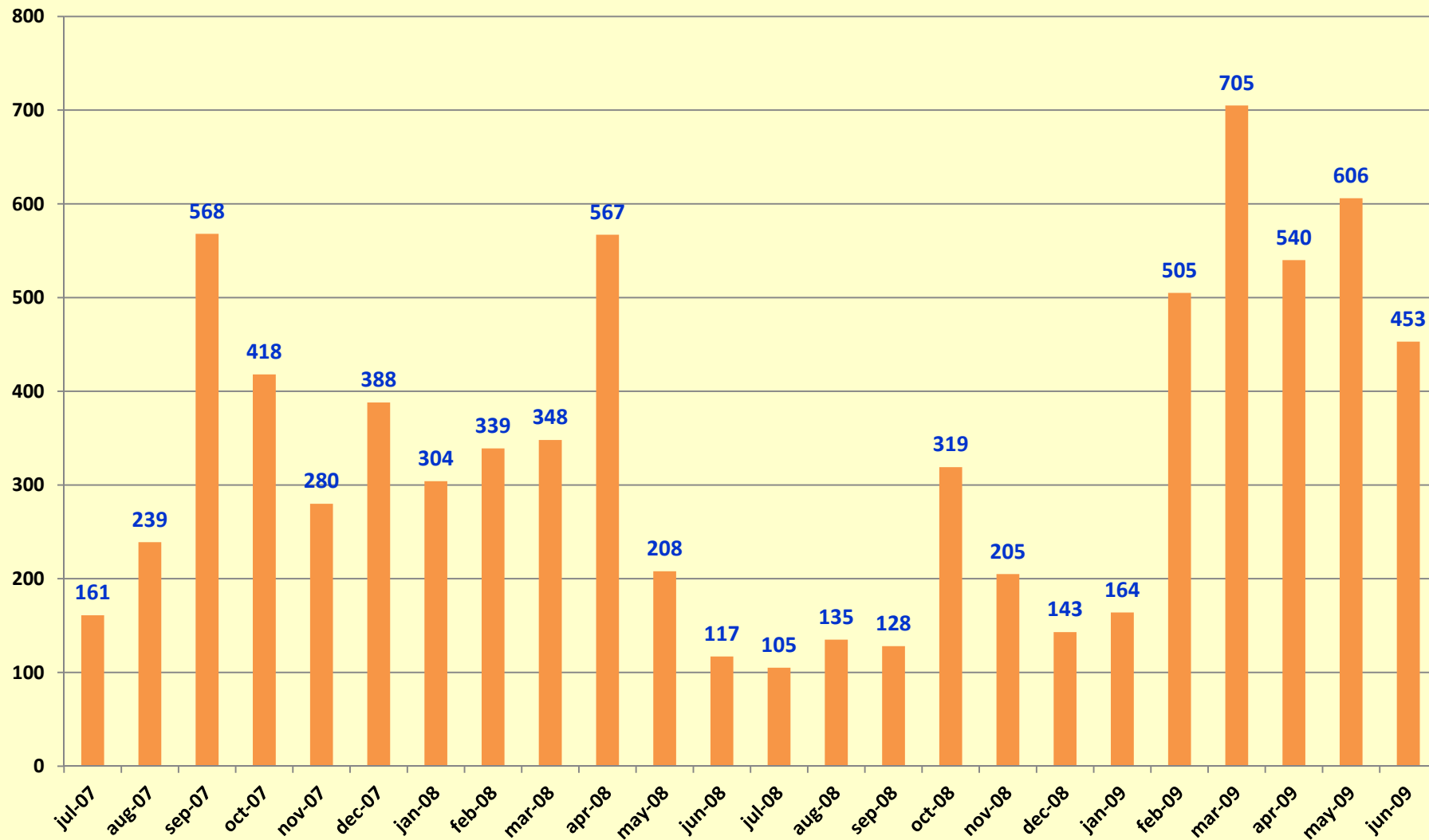
Average = 79.98 %



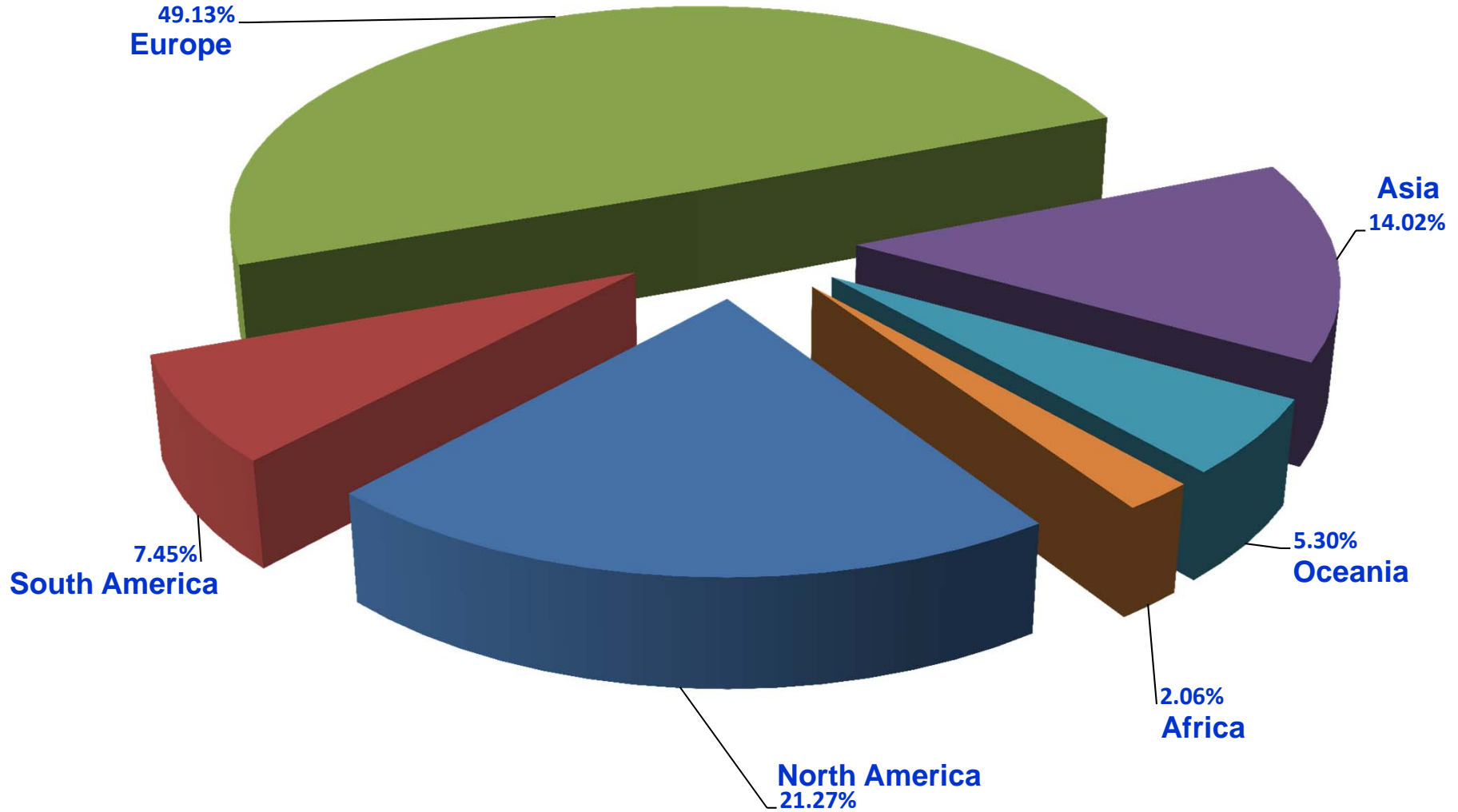


VISITS - LAST 24 MONTHS

Total = 7961



GEOGRAPHIC DISTRIBUTION



VISITS PERCENTAGE - LAST 24 MONTHS



GEOGRAPHIC DISTRIBUTION

NORTH AND SOUTH AMERICAN COUNTRIES



USA > 1338



MEXICO > 81



CANADA > 355



COLOMBIA > 77



BRAZIL > 162



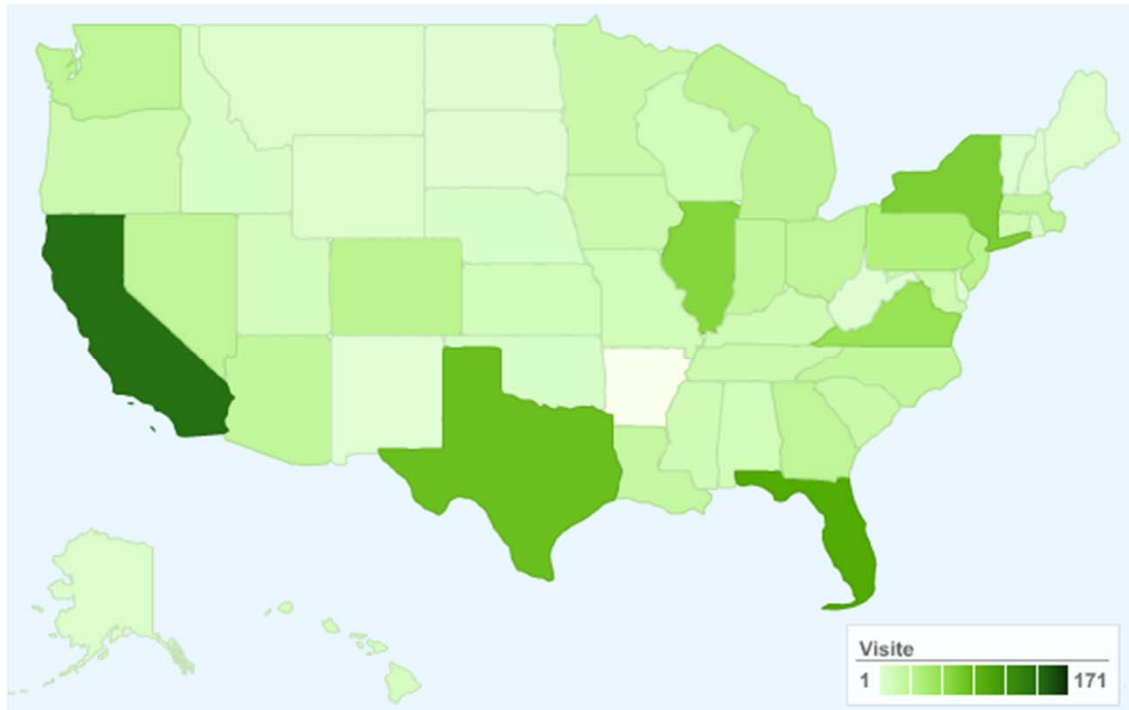
CHILE > 65

VISITS - LAST 24 MONTHS



GEOGRAPHIC DISTRIBUTION

USA - VISITS LAST 24 MONTHS



| | |
|--------------|-----|
| CALIFORNIA | 171 |
| FLORIDA | 112 |
| TEXAS | 96 |
| NEW YORK | 84 |
| ILLINOIS | 79 |
| VIRGINIA | 66 |
| PENNSYLVANIA | 45 |
| NEW JERSEY | 36 |
| COLORADO | 35 |
| MICHIGAN | 33 |
| WASHINGTON | 32 |
| GEORGIA | 31 |
| OHIO | 31 |
| NEVADA | 31 |

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USA > 1338



GEOGRAPHIC DISTRIBUTION

EUROPEAN COUNTRIES



ITALY > 1222



SPAIN > 222



FRANCE > 491



NETHERLANDS > 214



UNITED KINGDOM > 475



BELGIUM > 131



GERMANY > 261



LATVIA > 98

VISITS - LAST 24 MONTHS



GEOGRAPHIC DISTRIBUTION

ITALY - VISITS LAST 24 MONTHS



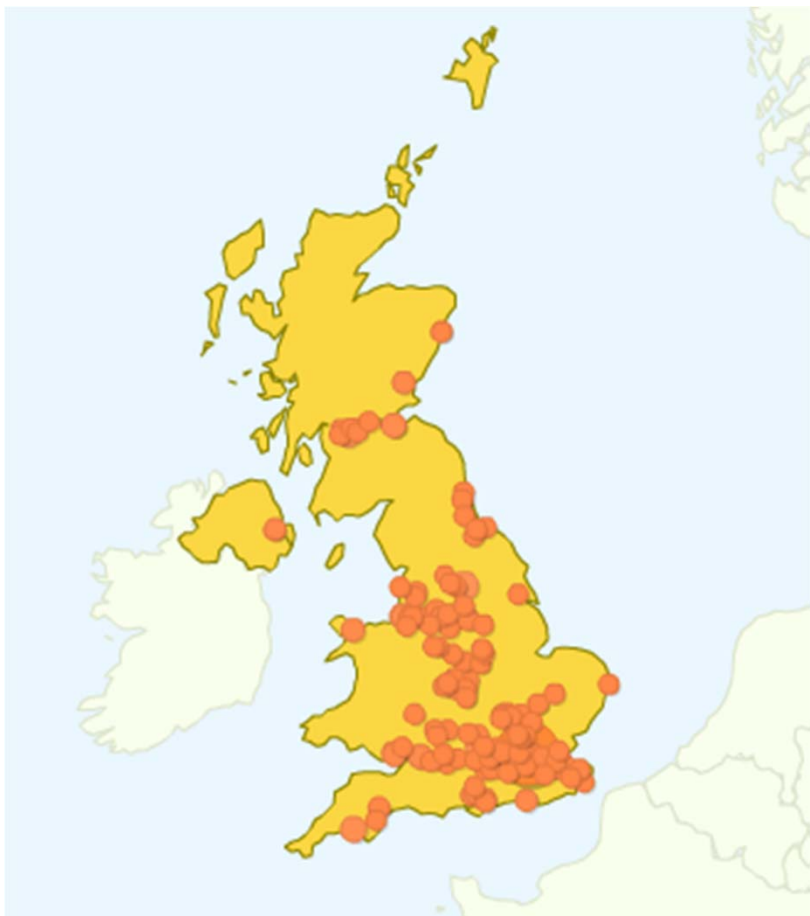
ITALY > 1222

| | |
|----------|-----|
| ROME | 343 |
| BARI | 251 |
| MILAN | 91 |
| TORINO | 33 |
| LECCE | 26 |
| CAGLIARI | 26 |
| TARANTO | 19 |
| CASSINO | 14 |
| COSENZA | 13 |
| BOLOGNA | 12 |
| GENOVA | 12 |
| BOLOGNA | 12 |
| PALERMO | 9 |
| CATANIA | 9 |

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GEOGRAPHIC DISTRIBUTION

UK - VISITS LAST 24 MONTHS



| | |
|------------|-----|
| LONDON | 130 |
| BRISTOL | 18 |
| EDIMBURGH | 14 |
| MANCHESTER | 12 |
| LEEDS | 12 |
| OXFORD | 11 |
| CARDIFF | 11 |
| PLYMOUTH | 8 |
| LIVERPOOL | 8 |
| GLASGOW | 7 |
| BRISTOL | 6 |
| TEDDINGTON | 6 |
| BIRMINGHAM | 6 |
| GUILFORD | 5 |

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UNITED KINGDOM > 475

GEOGRAPHIC DISTRIBUTION

ASIAN, OCEANIC AND AFRICAN COUNTRIES



IRAN > 209



INDIA > 194



JAPAN > 106



MALAYSIA > 60



TURKEY > 60



CHINA > 60



AUSTRALIA > 345



NEW ZEALAND > 73



EGYPT > 79



SOUTH AFRICA > 51



SUDAN > 24



ALGERIA > 19

VISITS - LAST 24 MONTHS



VISITORS FROM THE WORLD

July 1st 2007 – June 30th 2009

ordered by number of visitors

| | | | |
|----------------------------------|-----|--|----|
| POLITECNICO DI BARI | 142 | UNIVERSITY OF CAPE TOWN | 11 |
| RIGA TECHNICAL UNIVERSITY | 84 | UNIVERSITÀ DI BOLOGNA | 11 |
| UNIVERSIDADE DE SAO PAULO | 37 | UNIVERSITÀ DI CAGLIARI | 10 |
| DANISH NET. FOR RES. & EDUC. | 28 | UNIVERSITY OF INNSBRUCK | 10 |
| TERZA UNIVERSITÀ DI ROMA | 27 | UNIVERSITY OF LEEDS | 10 |
| TECHNISCHE UNIVERSITAET GRAZ | 20 | UNIVERSITY OF WINDSOR | 10 |
| TARBIAT MODARES UNIVERSITY | 22 | VICTORIA UNIVERSITY | 10 |
| UNIVERSIDAD DE CANTABRIA | 19 | NORWEGIAN UNIVERSITY OF SC. & TECH. | 9 |
| THE UNIVERSITY OF BRISTOL | 18 | UNIVERSIDAD NACIONAL AUT. DE MEXICO | 9 |
| UNIVERSITÉ DE LIEGE | 17 | UNIVERSITÀ DI FIRENZE | 9 |
| UNIVERSITÀ DI PALERMO | 16 | UNIVERSITÀ DI ROMA – LA SAPIENZA | 9 |
| UNIVERSITY OF TWENTE | 15 | INIVERSITAET STUTTGART | 9 |
| UNIVERSITÀ DI NAPOLI FEDERICO II | 14 | UNIVERZITET U BEOGRADU | 9 |
| UNIVERSITY OF LIVERPOOL | 14 | SEOUL NATIONAL UNIVERSITY | 8 |
| UNIVERSITY OF TEHERAN | 14 | UNIVERSIDAD DE CHILE | 8 |
| UNIVERSITAET SIEGEN | 14 | UNIVERSIDADE FED. DO RIO GRANDE DO SUL | 8 |
| UNIVERSITÀ DI GENOVA | 13 | UNIVERSITÀ DI TRENTO | 8 |
| POLITECNICO DI TORINO | 12 | UNIVERSITAT POLITECNICA DE CATALUNYA | 8 |
| KYOTO UNIVERSITY | 12 | THE UNIVERSITY OF MELBOURNE | 7 |
| DELFT UNIV. OF TECHNOLOGY | 11 | THE UNIVERSITY OF PLYMOUTH | 7 |
| TAIWAN ACADEMIC NETWORK | 11 | UNIVERSIDADE DO PORTO | 7 |



SOME OF OUR VISITORS FROM U.S.A.

July 1st 2007 – June 30th 2009

ordered by number of visitors

| | | | |
|---|----|---|---|
| UNIVERSITY OF NEVADA | 19 | UNIVERSITY OF MISSISSIPPI | 1 |
| VIRGINIA POLYTECHNIC | 18 | CALIFORNIA DEPT. OF WATER RESOURCES | 1 |
| UNIVERSITY OF IOWA | 15 | CALIFORNIA STATE UNIVERSITY | 1 |
| UNIVERSITY OF ILLINOIS | 10 | HARVARD UNIVERSITY | 1 |
| OREGON STATE UNIVERSITY | 9 | NATIONAL OCEANIC AND ATMOSPHERIC ADMIN. | 1 |
| UNIVERSITY OF SOUTH CAROLINA | 7 | THE PENNSYLVANIA STATE UNIVERSITY | 1 |
| CORNELL UNIVERSITY | 6 | EMBRY-RIDDLE AERONAUTICAL UNIVERSITY | 1 |
| KENTUCKY DEPT. OF EDUCATION | 6 | STANFORD UNIVERSITY | 1 |
| TEXAS A&M UNIVERSITY | 6 | UNIVERSITY OF CONNECTICUT | 1 |
| UNIVERSITY OF CALIFORNIA DAVIS | 6 | UNIVERSITY OF ILLINOIS CCSO | 1 |
| UNIVERSITY OF FLORIDA | 5 | UNIVERSITY OF MAINE SYSTEM | 1 |
| BRIGHAM YOUNG UNIVERSITY | 5 | UNIVERSITY OF MICHIGAN COLLEGE OF ENG. | 1 |
| GEORGIA INSTITUTE OF TECH. | 5 | UNIVERSITY OF N. CAROLINA AT WILMINGTON | 1 |
| U.S. ARMY CORPS OF ENGINEERS | 4 | UNIVERSITY OF MINNESOTA | 1 |
| UNIVERSITY OF KANSAS | 4 | UNIVERSITY OF WISCONSIN MADISON | 1 |
| CALIFORNIA POLYTECHNIC S.U. | 3 | UNIVERSITY OF WYOMING | 1 |
| INDIANA DEPT. OF EDUCATION | 3 | COAST GUARD ACADEMY | 1 |
| JOHNS HOPKINS UNIVERSITY | 3 | ARMY ENGINEER WATERWAYS EXP. STATION | 1 |
| LOUISIANA STATE UNIVERSITY | 3 | COAST & HARBOR ENGINEERING | 1 |
| OHIO STATE UNIVERSITY | 2 | U.S. DEPARTMENT OF STATE | 1 |
| SOUTH FLORIDA WATER MANAGEMENT DISTRICT 1 | | U.S. DEPARTMENT OF TRANSPORTATION | 1 |
| UNIVERSITY OF COLORADO | 1 | NAVAL RESEARCH LABORATORY | 1 |



**MEDIA
LIBRARY**

CONTENTS NOW ONLINE

97 VIDEO CLIPS & ANIMATIONS

828 PHOTOS & DRAWINGS

6 ADDITIONAL RESOURCES



IAHR MEDIA LIBRARY TOMORROW

Any future consideration of the IAHR Media Library now has to take into account that its outstanding success requires new efforts to improve and eliminate certain flaws that are still present in this service. First of all, it is important to underline that in order to update the web resource, it should not only be used for downloading materials, but also uploading new movies, photo, software, e-books and so on. This responsibility is down to all of us. Therefore, I would like to ask all the participants at the IAHR Congress and all IAHR Media Library users to contribute much more enthusiastically to this project, so helping both me and the entire Editorial Board.

Furthermore, the IAHR Media Library could become a more effective and operative tool with a web TV service broadcasting congresses on demand.



WWW.IAHRMEDIALIBRARY.NET

As regards the extremely important matter of the budget, the total costs starting from the launch of the IAHR Media Library in 2004 to the present including its set-up, maintenance and restyling have been **21,300 EUR**, as shown by the invoices from the years in question, all supported by my research group of the Technical University of Bari (Italy).

Particularly, the IAHR Media Library has been set up with the funding of the Fondazione Caripuglia (Research Project LIC-MON of 2003) and of the Project IMCA (Integrated Monitoring of Coastal Areas, financed by the Department of University and Scientific Research of Italian Government, MIUR PON D.M. 593/00). Both projects are of the Coastal Engineering Laboratory of the Water Engineering and Chemistry Dept. of the Technical University of Bari, Italy.



WWW.IAHRMEDIALIBRARY.NET

In order to maintain the web site and to develop it with a web TV service we require the following tools and / or services:

Professional high capacity hosting (1000Mb) with video streaming technology until 31/12/2013, with an updating of the present web site.

Management and input of new material (similar to what has been achieved over the past two years) and maintenance of the website in question until 31/12/2013 with helpline and online assistance.

Establishing a channel for live video streaming platform for transmission of events from any location.

Statistical surveys and access to the site.

Backup and full offline content of the library with annual generation of offline content index.

In order to do this, a budget of not less than 25,000 EUR is necessary.

I am happy to announce that I will sustain these costs until the end of 2013 and, therefore from the year of the launch of the IAHR Media Library to 2013 I will have offered a total budget of **46,300 EUR**: I sincerely hope this will be appreciated by the IAHR.



Q&A

Thank you!

