



Best Practices for Lake

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15th World Lake Conference

Perugia

1-5 September 2014

Workshop Best Practices for Lake Governance and Management Challenges

15th World Lake Conference

Lakes:

The Mirrors of the Earth

Balancing Ecosystem Integrity
and Human Wellbeing

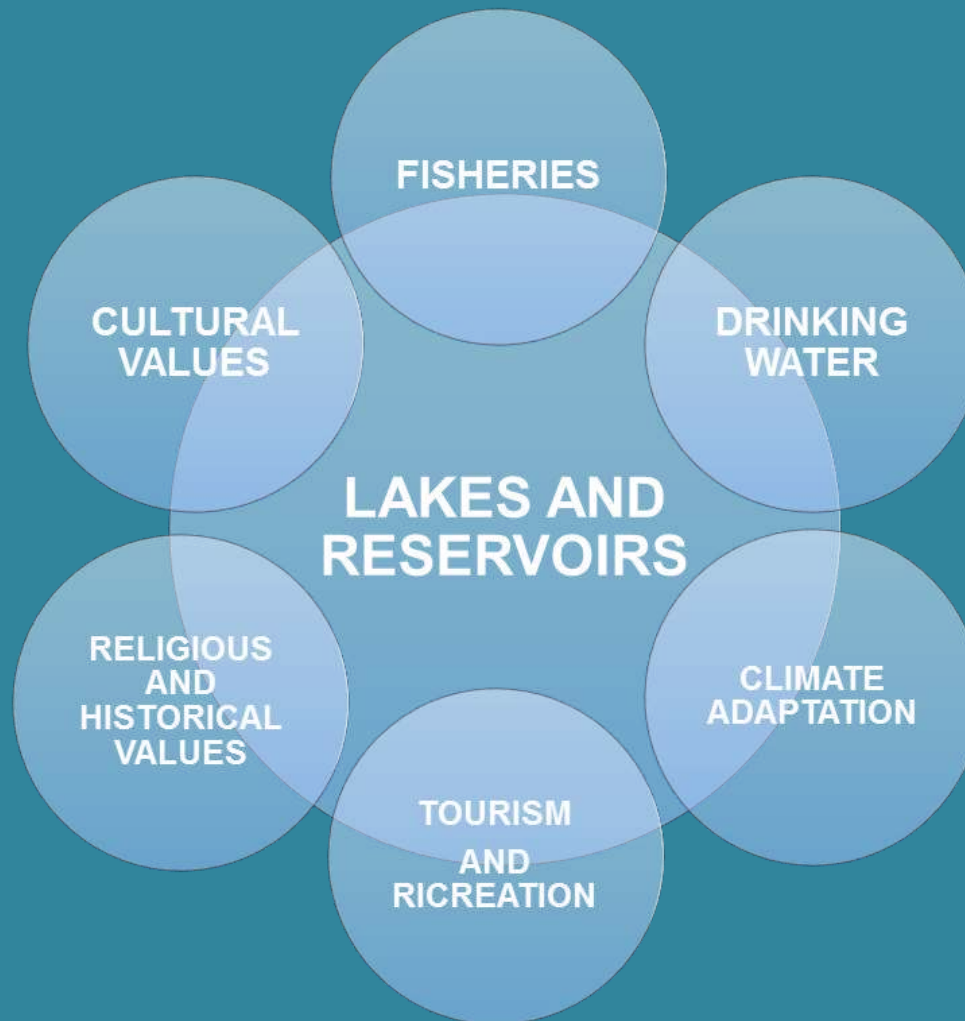
September 1-5, 2014

Perugia - Italy



Lakes and Reservoirs

“...contain more than 90% of all the liquid freshwater on the earth’s surface”



Main uses: Agriculture, industry and energy

Lakes and Reservoirs also provide a wide range of resources and values

(Source: WWDR3, 2009)

1972

World Heritage Convention

Integrates
Natural Conservation and
Preservation of Cultural
Properties



Total Sites	61
Transboundary	4
In Danger	1
Cultural	20
Natural	38
Mixed	3
States Parties	42

61 World Heritage Sites involve Lake Environment



Source: Google, www.unesco.org

1971

**Ramsar Convention
on Wetlands**

Wetland Ecosystems

**Conservation and
sustainable use of wetland
and its resources**

Through

**Local, regional and national
actions and international
cooperation**



Best Practices for Lake The Project



Organizers



United Nations
Educational, Scientific and
Cultural Organization



Unesco Chair in
Water Resources Management
and Culture



MINISTERO DELL'AMBIENTE
E DELLA TUTELA DEL TERRITORIO E DEL MARE

*Italian Ministry for the Environment and Protection
of Land and Sea*



ISPRA
Istituto Superiore per la Protezione
e la Ricerca Ambientale

*Italian National Institute for Environmental Protection
and Research*



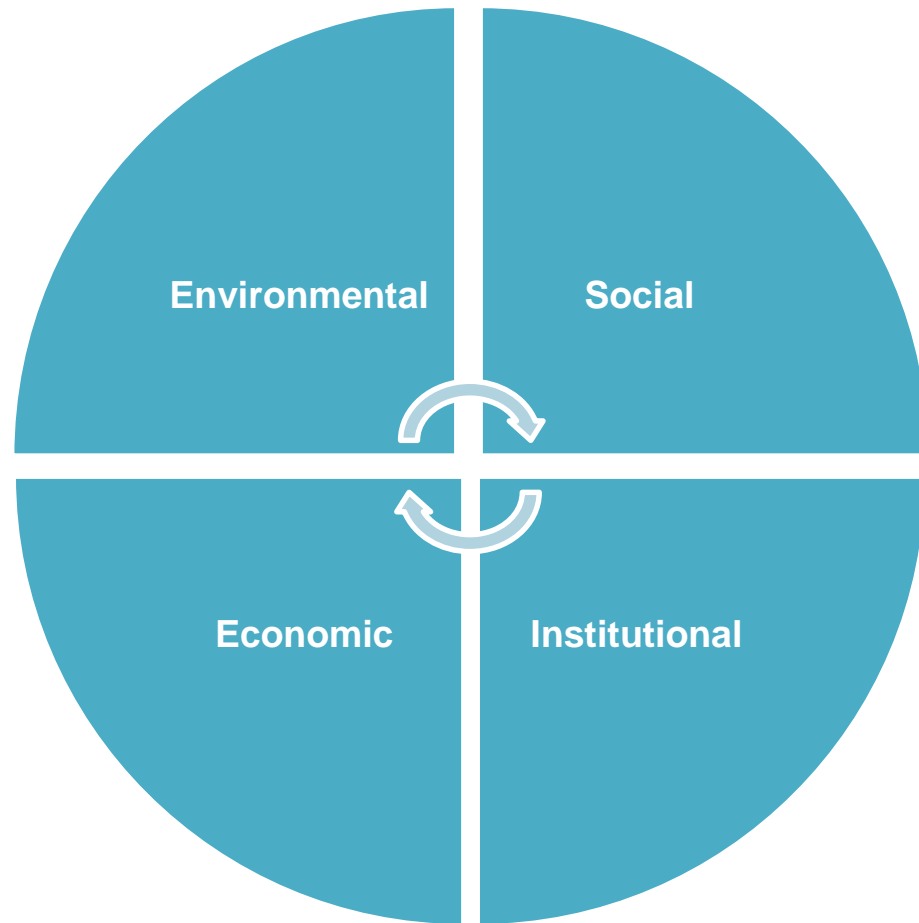
Italian Hydrotechnics Association



15th World Lake Conference Organizing Committee

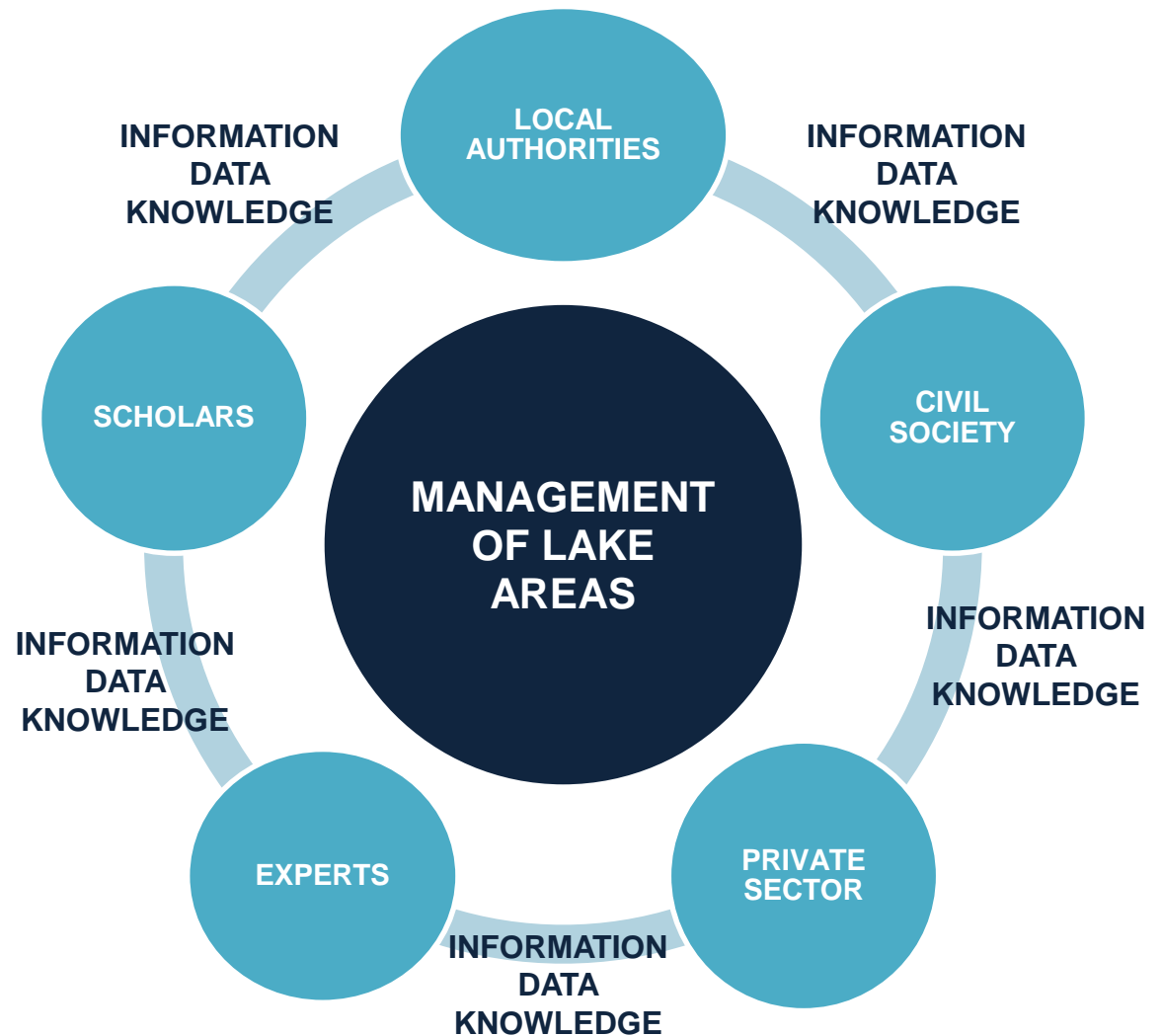
Aims

Identify and select good practices that can ensure the long-term sustainable management of lake areas



Aims

Foster information, data and knowledge sharing among stakeholders on management of lake areas



Best Practices for Lake Italian Framework



Italian Framework Inland Waters: Lakes, Reservoirs, and Transitional Systems as Lagoons, Costal Lakes and Ponds

	Area of Lakes and Inland Waters (km ²)
Average Area	1, 98
Total Area	1982
Minimum Area	0,0092
Maximum Area	356,28
Number of Lakes and Inland waters	993 (number of lakes and inland waters)

Source: Author's elaboration on data by Italian Ministry for the Environment and Protection of Land and Sea

Stakeholders

Local Authorities
(Municipalities)

Private Sector

Civil Society

8057 Municipalities in Italy

838 Municipalities interested in Management of Lake Areas

Variables:

Lakes = f(Name, LA)

Municipalities = f(Pop, MA, LAonM, LM, ML)

Indicators:

Lake Area (AL)

Municipality Area (MA)

Lake Area on Municipality (LAonM)

LM = LAonM/AM

LM= LAonM/LA

NAME	LAKES		MUNICIPALITIES			
	LA km2	N. OF LAKES	MA	POP	LM	ML
NAME=NULL	0,05>A<0,1 5	86			>20	100
	0,15>A<1	132			>20	100
	5>A>1	88			>20	>40
	10>A>5	21			>20	>40
	A> 10	24			>30	>0

Means: 1

Best Practices for Lake Award

Select projects on a public announcement , and award practices make an outstanding contribution to the environmental conservancy of lake areas, integrated into the social and economic development on a sustainable basis

The screenshot shows the website for the UNESCO Chair in Water Resources Management and Culture. At the top, there are logos for UNESCO, uniTwin, the University of Padua, and H2CU. Below the logos, the text reads "UNESCO CHAIR Water Resources Management and Culture". A navigation bar contains the following items: Home, Chair, UNESCO and Water, Activities, Events, and Best Practices for Lake. The main content area features the heading "Best Practices for Lake" and a sub-heading "PREMIO: Best Practices for Lake". Below this is a logo for "BEST PRACTICES FOR LAKE" consisting of the letters B, P, 4, and L in individual boxes. At the bottom, there is a red button that says "SHARE YOUR EXPERIENCE".

Fields

Architectures and Urban Planning

Engineering and Hydraulic Works

Energy Production and Efficiency

Waste Management

Landscape Conservancy

Tourism and Culture Heritage

Integrated and Inclusive Strategies

Criteria

Practices should be flexible and transferable in other lake areas

Practices should be in compliance with quality objective and targets adopted at national and international level

Practice should fulfill environmental, economic and social sustainability objectives/aims (listed in GELSO database criteria)

Means: 2

Italian and European Framework: ISPRA GELSO
National database on good practices on local sustainability
Integrated into an European Network (NESIS)

<http://www.sinanet.isprambiente.it/it/gelso>



Means: 3

International Framework:

Workshop Best Practices for Lake

Exploring outcomes and share lessons learned from the best practices applied in the sustainable management of lake areas

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References

UN WWAP, 2009, The United Nations World Water Development Report 3: Water in a Changing World, Briefing Note, UNESCO

www.unesco.org

www.ramsar.org

www.sinanet.isprambiente.it/it/gelso

www.istat.it

www.pcn.minambiente.it

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Flickr , Plitvice Lakes National Park, Croatia.
Wikimedia Commons, Laguna de Rocha, the largest wetland in the urban area in Buenos Aires, Argentina.

Thank You for your attention!