



CIRF
Centro Italiano per la Riqualificazione Fluviale
(www.cirf.org; info@cirf.org; Mestre, Venezia, Italy)
Italian Centre for River Restoration

About us

CIRF is a non profit technical-scientific association created in 1999 by a group of technicians with different background to promote the culture of river restoration and its related know-how.

CIRF key areas of activity are:

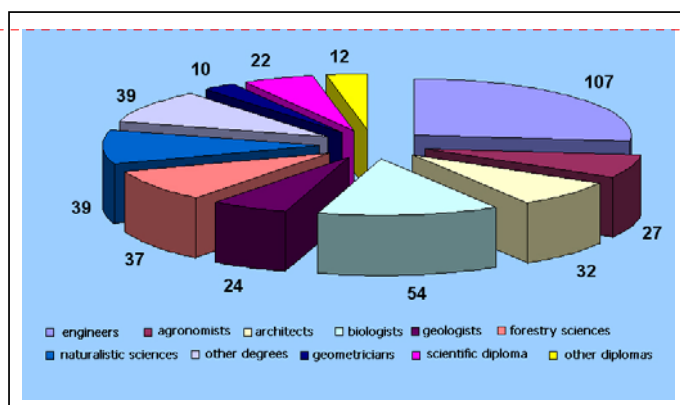
- education (courses, events, publications for dissemination,...) for increasing the awareness about the concepts and benefits of river restoration
- fostering action by coordinating, promoting and supporting pilot studies and innovative projects
- stimulation of a constructive dialogue and the involvement of all subjects interested in the management of water and land (from public authorities, professionals to researchers) through policy papers and organization of and participation to events (seminars, conferences, ...)
- providing interaction and coordination with similar international centres

Since 2006, CIRF runs the secretary of the European Centre for River Restoration (ECRR: www.ecrr.org). In the next three years the ECRR will concentrate especially on the following topics:

- organizing the 4th ECRR International River Restoration Conference in June 2008 in Venice (see web site for details);
- collecting, organizing and making available through the website the most significant international River Restoration experiences/case studies;
- promoting the setting up of joint projects among ECRR members;
- broaden the ECRR network and support the creation of new national River Restoration centres.

Members

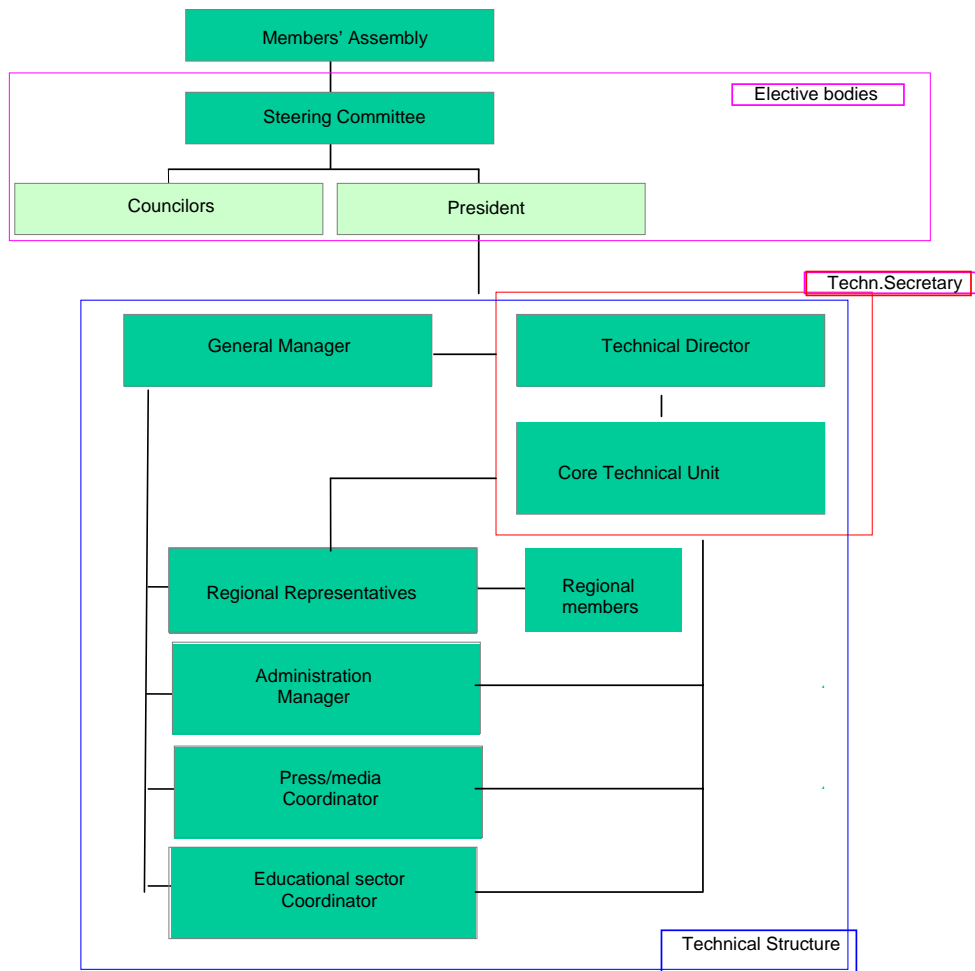
The approx. 500 members of the association belong to several sectors (engineers, biologists, geologists, agronomists, architects, etc.)and include 50 organizations, such as Provinces, Municipalities, Drainage Authorities, Parks and research centres.



Formattato: Inglese (Regno Unito)

Structure of the Association

Organization chart



Studies and projects

"Oglio river Strariflu Project" – Regional Park of Oglio river. April 2006- December 2007

"A participatory process for a river restoration strategy"

The project aims at producing a plan to improve the ecological status of Oglio river considering at the same recreation/leisure and water use objectives. The main steps are: characterization of river status (according to 2000/60), objectives and vision, actions, comparison of different alternatives. During the 2 years of the project we had more than 20 Forum with stakeholders.

The result of the project is a useful support to realize a "river contract".

"FiumeInforma" Project – Regional Park of Ticino river. April 2006- June 2007

"An interactive CD-ROM to know rivers"

The main object of this project developed for the natural fluvial Park Parco del Ticino, was to realize an interactive CD-ROM (for technicians, public administrators, students, people in general) to improve the knowledge of rivers; the main idea is that a lot of mistakes in river management (in the past but also in the present) results from a poor knowledge of "what a river really is".

The CD-ROM has 2 main sections:

- the first section is "Knowing the river" which describes with a lot of pictures, drawings and short texts what a river is: water quality (chemical aspects), life (biological aspects), water regime and shapes and processes (geomorphological aspects)
- the second one is "Specific topics" which leads to further insight into some specific and important themes; in the first version of the CD-ROM (others are planned for the future) we treated the theme of "hydraulic interventions".

Environmental Restoration of Retrone river

December 2005 – May 2006

The project regards the design of restoration actions for about 1 km of Retrone river, in the neighbourhood of Creazzo town (Vicenza, I), focused to a natural recreation and an ichthyic restocking.

The restoration opportunities are very interesting because, in spite of the presence of agricultural activities and urban growth, some old bight of the river are still evident, with some residual woody vegetation and the presence of avifauna.

Though it is an urban area, the restoration idea aims to recover the river's old bight creating small wetlands, to plant vegetation on the banks and to move the riverbed (using rocks, small groins, ramps, etc.) in order to create shelters and production areas for the ichthyic and bird fauna. An other target is the protection of water quality acting on the removal and treatment of the current discharges.

For what concerns recreation and leisure it is foreseen the implementation of a pedestrian track, with spots of halt and recreation and bird watching considering the presence, in the neighbourhood, of the unique **GARZAIA** of Vicenza's Province.

Agenda 21 - Lemene Reghena

September 2005 – March/April 2006

CIRF supported Venice's Province to create a local Agenda 21 process for Lemene and Reghena rivers' area management.

The aim of Agenda 21 is to share, with all the stakeholders, the different choices for the territory's planning.

It is a strategic process to encourage and to control the sustainable development through participation, carried out in the Municipalities of Cinto Caomaggiore, Portogruaro, Sesto al Reghena, Gruaro, Teglio Veneto (Venice's Province).

PORTFOLIO LIGURIA – Application of river restoration methodologies to ligurian water bodies, through case studies of typical ligurian environments and production of a document-book focused on the criteria for identification and desing of hydraulic interventions.

August 2005 – June 2006

The aim is to support Liguria Region to draw criteria and guidelines for river basin management that combine safety and restoration requirements. The main outcomes can be resumed as follows:

- Production of a portfolio-book that presents key ideas in a very intuitive fashion for a number of selected representative case studies;
- ideas for regional guidelines on identification and design criteria that can combine safety and restoration intervention of rivers.

Case studies concern ligurian rivers identified by the technical offices of the four provinces.

"AATO Venice's Lagoon - Fund Water Common Good"

October 2005 – December 2005

The aim was to give a technical-scientific support for the analysis of the proposals drawn up by the NGO within the international cooperation, within the Announcement of the solidarity fund Water Common Good, established by the Optimal Territorial Ambit Authority (AATO) Venice's Lagoon (period 2004-2005).

The applying projects were 21 (15 Africa, 2 Asia, 4 Latin America); 8 projects were financed (5 Africa, 3 Latin America) for about 300.000 beneficiaries.

Support for the definition of operative guidelines to mitigate impacts on ichthyic fauna and torrent ecosystems creating new opportunities for river restoration in Valle d'Aosta region.

August 2005 - November 2005

Support to Valle d'Aosta region "Flora, Fauna, hunt, fishing Department" on:

- identifying the main impacts of anthropic intervention on rivers;
- Suggesting low impacts interventions;
- Ranking areas to protect and to restore first;
- Giving advices for future river restoration's strategies.

The output is a publication.

Pre-feasibility Study for the restoration of Petrace river and its basin

June 2004 - December 2005

The goal of the project was to start a process for improving the status of Petrace river and its territory and to amplify the importance of the project to a regional scale. This project aims to establish an Integrated Basin Plan, coherent to the Directive 2000/60/EU and to put together different aspects (river restoration, hydraulic risk, water quality improvement, economical and social development).

A comprehensive report and an exhibition were produced together with a number of events.

TWOLE River ecosystem quality index (within the project: "Twole: a system for the management and planning of water resources" – Università degli Studi di Milano and Politecnico di Milano)

May 2005 – May 2006

Within the general project that regards the setting up of a System Decision Support (DSS) for water management connected to the Directive 2000/60/EU, the aim of CIRF contribution was to guarantee that river ecosystems could be considered one of the key issues also by non experts in order to develop a negotiable process amongst the relevant stakeholders.

To this aim, the role of CIRF was multifold: i) to specify how river status could be characterised and measured through indicators suitable to be dealt with within the DSS structure and at the same time satisfactory for experts and suitable to be understood by non experts (which species and why and how, what hydraulic features, etc.); ii) to build up a method (i.e. expert-based

modelling) to predict the change in such indicators (i.e. in the ecosystem status, including water quality, water regime, aquatic fauna, etc) as a consequence of possible management actions.

"ADDETTA DI TUTTI" – Hydraulic-environmental restoration of Addetta drainage canal 2004-2005

This projects (a study) was commissioned by Progetto Muzza Bassa Lodigiana Drainage Consortium (Veneto, I) and aims at showing how to build a river restoration project managed by a drainage consortium: Addetta drainage canal is an ideal "gym" to carry out a restoration 360° degrees, drawing a new relationship between environment, city, country and river, in order to solve the problems and developing the current opportunities.

Wetlands and constructed wetlands in Veneto Region

November 2004 – Dicember 2004

Committed by Veneto Region – Environment protection Department – Special Law for Venice Census of all wetlands for water treatment of Veneto Region was carried out with public contribution. It consisted in the collection and organization of all the relevant information and the publication of results in the form of technical sheets.

GESSO Project – Cuneo Municipality

July 2004 – December 2004

"Preparatory study for a participated management and sustainable intervention plan for the area of Gesso torrent between Borgo San Dalmazzo, Boves and Cuneo (Piemonte)"

The goal of the project was to give useful elements for a more sustainable setting of Gesso torrent from the environmental, social, economical and financial points of view, in order to give a useful tool for future intervention and management. The project identifies alternative solutions for the physical setting of the river stretch (including defence works, land use decision and regulation), predicts the effects in terms of probability of bank erosion and evaluate them with a simplified cost benefit analysis. The conclusion is, as suspected, that the classic solution based on engineering works is not rewarding in this case, while giving some space back to the river is rewarding.

Cooperation project - Rio Salado (Buenos Aires province, Argentina)

Start of preliminary phase June 2004

The project aimed at starting a cooperation project articulated at multiple scales (from local to governmental) within the Rio Salado Basin which would try to lead the basin towards a more sustainable path than that experienced in the past by similar regions in Italy (the Veneto Po floodplain). Indeed, todays land use and infrastructures in Italy Po lower basin are prone to dramatic disaster due to flooding while a development less dependent on infrastructures and which paid more attention to implement activities and strategies that could better "live with the risk", might have led to better outcomes. . A participatory process involving stakeholders at different levels , from local to national, was undertaken which led to the formulation of a proposal for an integrated project including a number of possible pilot projects.

AACQUA 21

April 2004 – November 2004

"Agenda21 Project on water" – Venice's Lagoon

Supporting 'AATO LAGUNA' on the organization of the Environmental Forum and the Working Tables within the AACQUA21 process, in order to spread the knowledge around the Water Master Plan, to know it better, to find new possible indicators and to establish the consumers committee.

"Ecological network" Project - PREL –Province of Vercelli

May 2004 - April 2005

CIRF supported the public administration for the project "From Partecipanza Forest to Po river – Carrying out of an ecological network on local scale for re-building, protection and valorisation of a

sustainable agroecosystem and for maintaining the connectivity”, both for what concerns the interventions and for the study and monitoring factors (environment, economic and social)

Parks and cities: what is there in the middle?

April 2004 - June 2005

Environmental education project within the project “Reti ecologiche” (look above).

CIRF supports public administration for an active involvement of schools on environmental problems regarding ecological webs, using a participated and active didactic.

Supporto for the restoration of River SANGRO (Abruzzo, Italy) – Municipalities of Scontrone and Castel di Sangro.

June 2004 - September 2004

The river Sangro is a beautiful watercourse of the Appennine area in the centre of Italy, close to the oldest Italian National Parc, that of Abruzzo. Unfortunately, in the '80s a significant stretch (about 5 Km) of the river was totally artificialized by concrete works with the motivation of a “better river management”.

Today there is a spread and shared will to restore this invaluable environmental and tourist resource. Local municipalities, according to a call of Regione Abruzzo, launched a project for river restoration that had been conducted by a team of professionals. CIRF was asked to support the team by providing a suitable methodological framework and to guarantee that environmental concern would be fully considered.

Indeed the team was still adopting a very narrow-minded concept of restoration where natural geomorphological and biological processes were highly disregarded.

This is a classic River Restoration project (design stage) where an analysis of the current river health was performed at first, so identifying its main “sicknesses”; then objectives were set and structured (so to render them measurable); a vision of the future situation drawn, and action lines identified. The project includes a preliminary definition of the future setting including morphological, vegetational, water quality and regime aspects.

The inspiring principle is to face the flooding risk nowadays affecting some areas (particularly the Municipality of Castel di Sangro) demonstrating that it can be reduced to acceptable levels while achieving a better environmental state.

The project led to a design document which presented strong arguments in favour of a much more ecological approach including and proposed a multicriteria framework to compare alternatives. Also a number of public meetings and seminars were held to raise sensitivity and spread ideas.

Water management and Minimum Instream Flow Requirement (MIFR) in the streams of the DOLOMITI BELLUNESI National Park.

December 2003 - March 2004

The Administrators of this Alpine National Park are struggling to get more water into their streams, nowadays heavily impacted (and sometimes dried up) by hydroelectric power generation.

Our project (developed in collaboration with Ambiente Italia Studi e Ricerche) aimed at providing a methodology that could support a negotiation process among the stakeholders.

The first step was to compare several methods proposed by different actors to determine the MIFR and to show that there is no clear cut criterion to choose (and then legally impose) any one in particular; the key of the problem is rather to determine the degree of satisfaction of the different actors and to choose through a negotiation process based on a Multicriteria evaluation.

The second step was then the construction of evaluation indices suitable to measure the satisfaction of the different actors (hydroelectric production, fluvial ecosystem, tourists, farmers, etc.) under any possible management alternative of the system.

Then, a multiobjective optimisation of the management policy has been carried out for a prototype system (by adopting concepts and methods from Control Theory and Operation Research, namely mathematical modelling and mathematical programming) to identify “optimal policies”.

The results have finally been used to demonstrate how a process based on this approach can help and how to develop it.

AACQUA 21: Agenda 21 for the Lagoon of Venice Integrated Water Resources Management Authority (AATO-Laguna di Venezia).

October 2003 - September 2004

Technical support to the "AATO-Laguna di Venezia" for the development of a local A21 process for the diffusion and participatory revision of the water resources management plan.

STRARIFLU - Definition of a River Restoration Strategy in Lombardia Region to support its water protection plan (Piano di Tutela delle Acque -DLgs.152/99).

September 2003 - December 2003

Regione Lombardia asked CIRF to include a far-looking perspective within the Water Protection Plan in order to prepare the ground for the application of the Water Framework Directive (Dir 60/2000 CE). CIRF gave technical and scientific support for the project. Briefly, the contents of the project were:

definition of an analytic methodology to assess stream's health and to update the information base through a dialogue between the centralized level (Region) and the local level (Provinces, Parks); Strengths/Weaknesses and Opportunities/Threats (SWOT) Analysis to identify priority action lines; zoning of streams for normative directives; definition of a specific strategy (vision, actions, monitoring) for each of the main rivers in Lombardia; normative ideas for implementation.

Furthermore, a review and guidelines have been provided concerning river restoration techniques specifically aimed at improving water quality .

The proposed methodology was applied to the main rivers of the Lombardia region and findings are now part of its official Protection plan (*Piano di Tutela delle Acque*, 2005).

Guidelines for the restoration of swimming conditions in the lakes of Mantova.

July 2003 - December 2003

The main goal of the project, developed for the Municipality of Mantova, was to define a set of actions to restore the lakes of Mantova, in order to improve their quality and bring them back to bathing conditions. An accurate analysis of impact factors was carried out at basin scale and a remediation strategy was defined. The approach followed meant to develop shared and integrated actions to be implemented in a participatory way not only by public bodies, but also by the main private stakeholders of the basin.

"Canale di Medicina" project – Renana drainage authority (BO).

March 2003 - June 2003

"Environmental remediation project along Medicina canal"

CIRF's support to interventions design focused on the creation of vegetated flood plain areas within the canals, constructed wetlands, ecological corridors and monitoring of the environmental results. Medicina canal environmental and hydrological rehabilitation and restoration gave the great opportunity to create an important ecological corridor connecting the hills around Bologna to the "Cassa del Quadrone" node. The connection of "Casse Campotto, Vallesanta and Bassarone" may create the most important node for the future ecological network from Bologna's plain to Modena.

Feasibility study for the restoration of river Tesina – Province of Vicenza.

November 2002

The study focused on the preliminary design of demonstration interventions, with the aim of recovering the natural resurgence flow and improving water quality and ecosystem conditions, in order to allow the survival of ichthyic fauna in the higher stretch of the river.

“Ninfea” project – Province of Vercelli.

October 2002 – April 2003

“Docup-ob2. “Ninfea” project. From the forest of Partecipanza to the river Po – Realization of the first interventions for an ecological network”

The projected actions represent the first operative steps for the reconstruction of an ecological network within the project: “From the forest of Partecipanza to the Po river: definition of an ecological network at local scale for the restoration, protection and valorization of an eco-compatible agro-ecosystem and the maintenance of connectivity.” CIRF’s technical assistance includes two types of actions: the first includes several “demonstrative sites” on canals where environmental restoration and valorisation have been carried out with bioengineering techniques on particularly damaged sites; the second consists in restoring ecological connection between Trino Vercellese and the park “Bosco delle Sorti della Partecipanza di Trino”, at the same time creating a nature trail, partly along the canal.

“ECO.Net” project – Emilia Romagna Region.

June 2002 – February 2003

“The drainage canals and the water courses in the Provinces of Modena and Bologna. Towards the creation of an ecological network in the plain ”

Technical assistance to the Drainage Authority staff in the following fields:

- analysis of ecological structure and functionality of drainage canals and of Secchia and Reno rivers, chosen to represent the four drainage authorities and the main typologies present in the area of study;
- elaboration of guidelines for the management and ordinary maintenance of the canals, according to their ecological corridor functionality;
- planning of measures for the restoration of canals and streams;
- technical support for the organisation of seminars for drainage authorities employees and regional and provincial partners of the project.

“Life Sellustra” Project –Municipality of Dozza. August 2001- February 2004

“Planning and realisation of integrated actions to restore the basin of Val Sellustra (Emilia Romagna, Italia)”

The main object of this project was to promote river restoration through integrated techniques (bioengineering, constructed wetlands, woody buffer strips, etc.) in the Sellustra stream. The problems of the Sellustra are related to water quality, banks erosion, degradation of the vegetation and significant artificialisation of river bed.

This study aims at demonstrating the possibility of realising integrated actions for river and environmental restoration at a basin scale and at raising the awareness and involvement of the stakeholders.

Training courses

2006

20th September – 19th October 2006- Bologna

River restoration – An integrated approach to river's management

2005

10 days between 19th October and 16th November 2005 - Bologna

River restoration – An integrated approach to river's management

20th and 21st October 2005 - Mestre (VENICE)

Forestal Buffer Systems

27th and 28th September 2005 - Napoli

New environmentally friendly technologies for the treatment of water wastes – Edition 2005

6th, 7th, 8th, 9th, 10th June 2005 - S. Vito di Cadore (BELLUNO)

Knowing the "river-system" in the Alpine environment

In collaboration with TESAF Department of Padua University

12th and 13th May 2005 - Correzzola (PADUA)

River restoration and draining canals – An opportunity for the territory

23rd, 24th and 25th February 2005 - Artena (ROME)

Constructed wetland systems for natural purification of waste waters

2004

From December 2003 to February 2004 - Trezzo sull'Adda (MILAN)

organization: CIRF & Parco Adda Nord with a contribution of Lombard Region

Prevention and mitigation of water risk: an opportunity for restoration?

19th, 20th, 21st May 2004 - Pontevecchio di Magenta (MILAN) – Under the patronage of CISBA

Water environment vegetation for monitoring and managing the water resources

23rd, 24th, 25th June 2004 - Mestre (VENICE)

Constructed wetlands: solutions for the water wastes treatment with vegetation

15th, 16th, 17th July 2004 - Cornino (Forgaria del Friuli - UDINE)

Theoretical basis of river ecology and new acquisitions for a sustainable river management

5th-8th August 2004 - Valstagna (VICENZA)

Campus "Living the River"

2003

9th, 10th, 11th October 2003 - Orbetello (GROSSETO)

Vegetation and river restoration

16th, 17th, 18th, 19th September 2003 - Riparbella (PISA)

A geomorphologic approach for river restoration. Morphologic variations of riverbeds, banks instability and restorations implications

12th, 13th, 14th June 2003 - Passignano sul Trasimeno (PERUGIA)

Buffer zones - in collaboration with CONAFORM

9th, 10th, 11th June 2003 - Rispescia (GROSSETO)

Vegetation of water environment (once "Aquatic Macrofite")

17th May 2003 - Dozza (BOLOGNA)

Specialization course Constructed wetlands: applications and perspectives

14th, 15th, 16th May 2003 - Dozza (BOLOGNA)

New environmentally friendly technologies for the treatment of water wastes – Edition 2003

10th, 11th, 12th April 2003 - Mestre (VENICE) - In collaboration with CONAFORM

From naturalistic engineering to river restoration – Edition 2003

2002

2nd, 3rd, 4th October 2002 - S. Quirico d'Orcia (SIENA)

Geomorphologic approach for managing and recovering the riverbeds

26th, 27th, 28th September 2002 - Orbetello (GROSSETO)

Buffer Strips: theory, practice, opportunity

3rd, 4th, 5th June 2002 - Trento

New conceptual and technical approaches on river management and restoration in mountain territory

23rd, 14th, 15th May 2002 - Gole dell'Alcantara (CATANIA)

River restoration: the novelties of a new approach

9th, 10th, 11th May 2002 - Passignano sul Trasimeno (PERUGIA)

New environmentally friendly technologies for the treatment of water wastes – Edition 2002

11th, 12th, 13th April 2002 - Collecchio (PARMA)

Managing environmental conflicts on Taro river: trying to know, knowing to believe, believing to make

2001

21st – 22nd December 2001 – Mestre (VENICE)

"Training course for members"

3rd, 4th, 5th October 2001 – San Quirico di Montespertoli (FLORENCE)

From naturalistic engineering to river restoration

13th, 14th, 15th June 2001 – Dozza (BOLOGNA)

From the approach "announce-decision-defence" (top-down) to the participated approach (bottom-up) to decide the environment: rivers and territory

19th, 20th, 21th April 2001 – Treviso

New environmentally friendly technologies for the treatment of water wastes

8th, 9th March 2001 - Sanbruson di Dolo (VENICE)

Operative aspects of Buffer Strips. Buffer Strips in practice: planning, carrying out, managing

2000

22nd September 2000 – Bressanvido (VICENZA)

"Law aspects of Buffer Zones"

9th June 2000 – Bressanvido (VICENZA)

"Law aspects of Buffer Zones"

Seminaries and meetings

2007

14 giugno 2007 – Parma

Italian-Spanish seminar on "River Restoration as a tool to reduce flooding risk and to achieve a good ecological status: new criteria for fluvial interventions and policies in the Mediterranean context".

Organized by CIRF with Regione Emilia Romagna, in collaboration with "Gruppo 183", Water basin Authority of River Po, the Spanish Minister of Environment and Politécnico de Madrid.

16 marzo 2007 – Venezia

"The management of the North-Eastern Water District", organized in collaboration with "Gruppo 183" and IUAV di Venezia, to assess the status of territory and its waters, together with the mosaic of competences and roles.

9 febbraio 2007 – Oppido Mamertina (RC)

"Protect from rivers to protect rivers", with Provincia di Reggio-Calabria.

2006

26 maggio 2006 – Quartu Sant'Elena (CA)

Seminar "RIO FOXI E RIO SU PAU. From environmental problem to opportunity for the territory", organized by CIRF in collaboration with ARPA Sardegna (the regional institution responsible for environmental monitoring).

16 maggio 2006 – Venezia

International conference "Dispersed and fertile waters. River restoration, culture of a territory", organized by CIRF thanks to an Interreg project and its partners, particularly the Consorzio di Bonifica Dese Sile (Mestre, I).

5 maggio 2006 - Tessera (VE)

Exhibition day on the innovative mechanical machines for river maintenance, organized by CIRF with Consorzio di Bonifica Dese-Sile (Mestre, I)

1st February 2006 – Rome

"RIVER RESTORATION. An integrated approach for a sustainable management of territory and natural and artificial water bodies".

The event, carried out by the Assessorship for Environmental Policies and Protection of Roma's Province and by CIRF, aims to underline the need of a deep reversal of trend for natural and artificial water bodies management finalized to the River Restoration.

2005

7th October 2005 - Riccione

"Integrated characterization of water bodies acknowledgement of the Directive 2000/60/CE"

24th June 2005 - Cuneo

"Gesso Torrent: ideas for a sustainable management"

13th June 2005 - Palmi (REGGIO CALABRIA)

"Petrace river today. Toward a common vision"

During the exhibition some panels will be exposed with the outcome report of the first phase of the Petrace project (of which CIRF is the technical-scientific supervisor for the establishing of a coordination table to manage the project) for each topic studied.

28th May 2005 - Schio (VICENZA)

"Interventions in riverbed. Hydraulic and ecosystem needs"

25th, 26th May 2005 - Trino (VERCELLI)

"FARETE. Ecological Network Meeting"

13th May 2005 - Trento

"Minimal vital downflow or sustainable regime?"

6th, 7th May 2005 - Gioia Tauro (REGGIO CALABRIA)

"Petrace river today. Toward a common vision"

2004

5th April 2004 – Palermo

"River Restoration: an integrated approach for the territory management".
CIRF seminar in collaboration with Hydraulic Engineering and Environmental Applications Department

6th April 2004 - Castelnuovo Garfagnana (LUCCA)

Water and territory: a correct relationship in Serchio basin?

26th June 2004 - Palmi (REGGIO CALABRIA)

River Restoration. An integrated approach for Petrace river management.

2003

5th July 2003 - Cingoli (MACERATA)

"Buffer Strips: theory, practise and opportunity"

16th May 2003 - Lido di Camaiore (LUCCA)

Seminar "Draining canals. Hydraulic safety. Environmental restoration. New techniques for the maintenance and the development of a ecologic network. Comparison of ideas"

14th April 2003 - Mestre (VENICE)

Seminar "Water bodies management and river restoration. Operative advices for an environmental sustainability"

21st February 2003

Workshop "Trees and water bodies: the new banks management"

22nd February 2003

Seminar "Hydraulic risks and depollution: the role of riparian vegetation"

2002**19th October 2002 - Asti**

Natural depuration techniques: a new water protection tool for Administrations and companies

19th July 2002 - Fermo (ASCOLI PICENO)

Water bodies dynamics within river restoration

27th May 2002 - Reggio Calabria

River Restoration opportunity in Calabria: comparison of experiences

12th January 2002 – Sandrigo (VICENZA)

Meeting "Restorating Tesina river". Carried out in coordination with Sandrigo Fly-Fishermen Club.

2001**22nd June 2001 - Fermo (ASCOLI PICENO)**

Depuration Technologies for water system protection and restoration.

Study trips

2005**21st-24th September 2005 - Calabria**

Discovering the "fiumare" – To coincide with CIRF Regional References national meeting

2004**4th - 8th July 2004 - Andalucía (Spain)**

The river restoration projects "Corredor Verde del Guadiamar" and "Doñana 2005" (organized for the Regional Council of Veneto)

2003**30th-31st May and 1st June 2003 - Calabria**

Discovering the "fiumare". From Calabria's coastal instability to the extraordinary beauty of the sources in the heart of Aspromonte, along the way marked by the river

2002

27th May 2002 – Reggio Calabria

"River restoration opportunities in Calabria. Compared experiences"

23rd-28th June 2002

Introduction to freshwater ecology in Germany. Excursions in water environment and examples of restoration projects

27th April 2002

Guided excursion in Valli di Comacchio by boat.
For further information contact the secretary's office

19th January 2002

Explanation of the project and the restoration of the river Zero low flow

2001

23rd and 24th May 2001 – Mestre (VENICE)

"Illustration of the Zero river restoration project"

Participation to Fairs

2007

9th-11th February 2007
VEGETALIA NATIONAL FAIR

2006

7th-10th September 2006 – Usseaux (TO)
BOSCO E TERRITORIO INTERNATIONAL FAIR

1st-3rd September - Lucca
MURABILIA EXHIBITION

2005

7th-9th April - Palermo
ECOMEDITERRANEA

2004

18th-21th November - Bastia Umbra (PG)
HABITAT FAIR

9th-12th September - Usseaux (TO)
BOSTER FAIR

2th-7th March - Verona
FIERAGRICOLA DI VERONA

2003

21th-23th February - Padova
FORESTRY FAIR

Participation to international forum

2007

26th-27th April 2006 – Edimburgh (Scotland)
River Restoration Centre: 7th Annual Network Conference
CIRF Speech title: "Fiume GESSO: methodology to design amore sustainable setting"
CIRF delegate : Andrea Nardini

2006

18th-20th April 2007 Chester (UK)
River Restoration Centre: 8th Annual Network Conference
CIRF Speech title: "The restoration of the channelized Sangro river (Abruzzo, Italy): tackling the challenge of providing "less hydraulic risk, more environment"
CIRF Delegate: Bruno Maiolini

2005

27th-28th october 2005 - Tokyo (Japan)
2nd International Forum on Waterfront and Watershed Restoration
CIRF Speech title: "Problems and perspectives of river restoration in Italy: the experience of the Italian Centre for River Restoration"
CIRF delegate: Giuseppe Dodaro

19-28 febbraio 2005 - Trivandrum (Kerala, India)
International conference on the Environment "PRITHVI 2005 - Global Eco Meet"
CIRF Speech title:" La riqualificazione Fluviale in Italia".
CIRF delegate: Giancarlo Gusmaroli

2004

25-26 novembre 2004 - Como
International Forum "Food Security under water scarcity in the Middle East: problems and Solutions" Organizzato da Landau Network, Centro Volta e Water Securiy Division
CIRF delegate: Andrea Nardini

17th-21st May 2004 - Zagreb (Croatia)

The 3rd International Conference on River Restoration "RIVER RESTORATION 2004 - Principles, processes & practices"

CIRF speech title: "Challenges of River Restoration in Italy: significant experiences and trends"

CIRF delegate: Andrea Nardini, Bruno Boz

1st-6th March 2004 - Manizales (Columbia)

Evaluación integrada para la planificación de cuencas: ideas, ejemplos y técnicas para tratar la intratable información ambiental; La crisis hídrica global: desde el Forum de Kyoto a una idea concreta para un programa de cooperación internacional: Ríos Hermanos"

4° Congreso Internacional y 15° Congreso Nacional de Estudiantes de Ingeniería Civil.

CIRF delegate: Andrea Nardini

25th-26th febbraio 2004 – Parigi (Francia)

"5th Annual RRC Network Conference" carried out by the River Restoration Centre.

CIRF delegate: Bruna Gumiero

28th-31st Gennaio 2004 - Genova

Water conflicts at the local scale and cooperation: Rios Hermanos idea, Multicriteria approach can support participatory decision making: an illustrative example.

At NATO/CCMS pilot study 'Integrated Water Management' 2nd Workshop

CIRF delegate: Andrea Nardini

2003

16th-23rd March 2003 - Japan

CIRF was the unique Italian Association invited to participate to the most important event worldwide dedicated to the water theme, the "THIRD WORLD WATER FORUM".

CIRF sessions:

18-Osaka-CITI-08: Integrated and Participatory Management of River Courses at the District Level:

Urban Water Deals (Provincia di Padova e CIRF) 21-Shiga-IWRM-22 (sessione doppia):

Management of Conflicts in Environmental Planning Aimed at River Restoration (CIRF).

CIRF delegate: Andrea Nardini, Erich Trevisiol

21st-23rd March 2003 - Florence

1° Alternative World Water Forum

CIRF delegate: Giulio Conte

24th-26th September 2003 - Reggio Emilia/Bologna

Participation and support to ONG Green Cross International for the carrying out of the international meetings "Water for Life and Peace".

2002

2nd-4th September 2002 – Norwich (Great Britain)

Euroconference "Science for Water Policy: the implications of the Water Framework Directive"

CIRF delegate: Bruno Boz, Marco Monaci

29th-30th aprile 2002 – Great Britain

Annual River Restoration Conference organized by River Restoration Center

CIRF delegate: Paolo Negri

2001

16th June 2001 – Rennes (Francia)

3° meeting Hedges

CIRF delegate: Giustino Mezzalana

Participation to events carried out by others

2007

23rd March 2007 – Marcon (Venice)

Meeting "Acqua&Api"

CIRF delegates: Giancarlo Gusmaroli, Stefano Nerozzi

7th March 2007 – Vercelli

Meeting "Climate changes and global and local environmental problems "

CIRF delegate: Giuseppe Baldo

19th January 2007 – Subiaco (Rome)

Workshop "River Restoration: Aniene river's valley"

CIRF delegate: Giuseppe Dodaro

2006

25th Novembre 2006 – Limena (Padua)

Meeting "Forty years since the Flood: which future for Brenta river?"

CIRF delegate: Giuseppe Baldo

16th-17th November 2006 – Rome

International Workshop-Expo "Terresderivières"

CIRF delegate: Giuseppe Dodaro

26th October 2006 – Falconara Marittima (Ancona)

Meeting "River Restoration"

CIRF delegates: Giulio Conte, Andrea Dignani, Giancarlo Gusmaroli

24th-25th October 2006 – Sarzana (La Spezia)

Training days "New approaches for the comprehension of river processes and sediment management"

CIRF delegate: Giuseppe Sansoni

20th October 2006 – Borgaro (Turin)

Meeting "Le amministrazioni e le realtà associative di base si confrontano"

Relatore CIRF: Alessandra Melucci

19th-21th September 2006 – Madrid (Spain)

International Seminar "Restauración de Rios"

CIRF delegate: Andrea Goltara

20th-22th September 2006 – Megeve (France)

"4th International conference on the implementation of the European Water Framework Directive"

CIRF delegate: Andrea Nardini

23rd June 2006 – Massa

Seminar "River Restoration. New approaches for river and territory management"

CIRF took part in the organization of this event.

CIRF delegates: Giuseppe Sansoni e Marco Monaci.

24th May 2006 - Bastia Umbra (Perugia)

Meeting "Water quality, services and costs for an optimum water management"

CIRF took part in the organization of this event.

CIRF delegate: Giulio Conte.

22th May 2006 – Sarzana (La Spezia)

Seminar "Integrated management of protected river areas and river basins. Operating and normative aspects "

CIRF delegate: Giuseppe Sansoni.

10th-11th May 2006 – Florence

"River, landscape, soil defence. To overcome emergencies, to seize opportunities "

CIRF delegate: Giuseppe Baldo.

28th April 2006 – Castel Volturno (Caserta)

Meeting "Wetlands: environmental, social and economic resource "

CIRF delegate: Rocco Lafratta.

21st April 2006 – Tindari (Messina)

Workshop "Fiumare and river restoration: an opportunity for the territory "

CIRF delegate: Andrea Nardini.

1st April 2006 – Tivoli (Rome)

IVth forum of Aniene River "Emergencies of the river, education and participation"

CIRF delegate: Giuseppe Dodaro

6th-13th-21st-28th March, 4th-11st April 2006 – Trezzo d'Adda, Vaprio d'Adda, Cassano d'Adda, Truccazzano (Milan)

Series of meeting: "Lessons from Adda river"

CIRF delegate: Bruno Boz

2006

6th March 2006 – Presenzano (CASERTA)

Meeting "Wetland and floods protection"

CIRF delegate: Rocco Lafratta.

3rd March 2006 – Rome

Meeting "Soil use and re-naturalization. A policy to stop the hydrogeological instability"

CIRF delegate: Giulio Conte.

11th-18th-25th February/4° March 2006 – Alessandria

Training course "WATER BODIES MANAGEMENT AND RIVER RESTORATION Operative guidelines for an environmental sustainability"
Organized by Centro Servizi per il Volontariato of Alessandria's Province - CSVA in coordination with CIRF

2005

12th December 2005 – Torino

Seminar "Climate changes on Mediterraneo – Mediterranean Action Day 2005"
CIRF delegate: Alessandra Melucci, referente CIRF Piemonte.

5th Novembre – Salsomaggiore Terme (PARMA)

Meeting "Fiume, bosco e territorio. La gestione naturalistica del fiume garantisce sicurezza?"
CIRF delegate: Floriana Romagnoli, referente CIRF Emilia Romagna.

4th November 2005 – Saint Vincent (AOSTA)

Meeting "Identificazione, salvaguardia e riabilitazione delle popolazioni di trote autoctone in Valle d'Aosta e in Alta Savoia"
CIRF delegate: Andrea Nardini.

4th October 2005 - Pesaro

Seminar "From a river for the production to a river for the environment. Valorisation of the leaf."
CIRF delegate: Giulio Conte.

26th September 2005 - TORINO

Series of meetings "Man and river".
CIRF delegate: Alessandra Melucci, referente CIRF Piemonte.

24th September 2005 - Valstagna (VICENZA)

Meeting "Nature and sport in comparison"
CIRF delegate: Giuseppe Baldo

9th September 2005 – Torre Pellice (TORINO)

"Between hydrogeological risks and river habitat protection"
CIRF delegate: di Giuseppe Baldo, CIRF director: "Restoration in Italy"

17th June 2005 - Cagliari

Meeting "Using the environmental engineering within the Mediterranean ambit"
CIRF delegate: Ing Beppe Baldo ("River restoration: ideas and challenger")

10th June 2005 – Bassano del Grappa (VICENZA)

Public meeting: "Knowing the river: naturalistic tracks and river tourism along Brenta river"
CIRF delegate: Giancarlo Gusmaroli ("Fruition and river restoration between limits and opportunities").

7th June - Cologna Veneta (VERONA)

Workshop "Depollution of surface water of Veneto water system – Planning, monitoring, development opportunities: example of Fratta Garzone river"
CIRF delegate: Giustino Mezzalana ("La riqualificazione fluviale del fiume Zero: un progetto pilota per l'Italia").

1th June 2005 - Rovereto (TRENTO)

Workshop "City's forgot river".
CIRF delegate: Ing. Beppe Baldo "Urban river restoration – comparisons of experiences".

19th-20th-21st May 2005 – Palermo

Meeting "Our Earth: yards of a possibile world".
CIRF delegate: Danilo Colomela, Sicily CIRF referent: "River Restoration: experiences in Italy".

13th May - Milano

Meeting "Public participation in the carrying out of the Directive 2000/60 CE".
CIRF delegate: Erich Trevisiol ("A review on the different approaches for participated planning, starting from CIRF experience").

24th February 2005 – Cesano Maderno (MILAN)

Meeting "RESTORING RIVERS: opportunities and benefits for the civic society".
CIRF delegate: Alessandra Melucci, Piemonte CIRF referent.

28th January 2005 - Patti (MESSINA)

Meeting "Water management in Sicily, between politic and economic ambit"
CIRF delegate: Danilo Colomela, Sicily CIRF referent: "River Restoration for an integrated water management".

28th-29th January - Luzzara (REGGIO EMILIA)

Meeting "Po river: a strategic resource for the development"
CIRF delegate: Massimo Rinaldi.

24th January 2005 - Milano

Meeting "Valorisation and protection of water resources"
CIRF delegate: Marco Monaci, Emilia Romagna Referent

2004

4th December 2004 - Cameri (NOVARA)

Meeting "Ticino river, high capacity yards: impact of works in riverbeds"
CIRF delegate: Andrea Nardini

15th November 2004 – Sala Consilina (SALERNO)

Meeting "Regional Reserve of Sele and Sangro mouth. A resource for territory, environment and agriculture".
CIRF delegate: Andrea Nardini

29th October 2004 - Empoli

Meeting "Vegetation management" within the Agenda 21 process in Empoli Municipalities – URBAT.
CIRF delegate: Laura Leone, Tuscany CIRF referent.

20th October 2004 - Roma

Corse "surface waters, sediments, biota".
CIRF delegate: Giuseppe Dodaro - "Multicriteria Approach for water resources management.

29th October 2004 - Castel San Pietro (BOLOGNA)

Meeting "Participation and Area Plan".
CIRF delegate: Andrea Cardini – "Partecipative approaches in conflictual situations"

28th November 2004 - Reggio Calabria

Seminar "The fiumara of Amendolea"
CIRF delegate: Fabio Scionti, Calabria referent.

7th November 2004 - Reggio Calabria

Seminar "River Restoration in Calabria"
CIRF delegate: Fabio Scionti, Calabria referent

1st October 2004 – Bibione (VENEZIA)

"OFT Forest Territory organization, tool for a new environmental policy.
CIRF delegate: Beppe Baldo e Bruna Gumiero

15th-16th-17th September 2004 - S. Ninfa

Course "Water upsidedown: water education for rivers' protection"

26th June 2004 – Palmi

Meeting "River Restoration. An integrated approach for Petraie river management".
CIRF delegate: Andrea Nardini, Fabio Scionti

21th-24th-25th June - Reggio Calabria

Seminar at Mediterranean University of Reggio Calabria BIOMAA"
CIRF delegate: B.Boz, M.Monaci, F. Romagnoli, I. Schipani, F. Scionti, A. Nardini.

2nd June 2004 – Salerno

Meeting on "Ecovolunteers project"
CIRF delegate: Rocco La fratta

28th May 2004 – Ragusa

Meeting "Conservation and recovery of ichthyic fauna and freshwater environment"
CIRF delegate: Maurizio Bacci, councillor CIRF: "Philosophy and techniques of river restoration".

21st May 2004 – Carpi (MODENA)

Workshop "Naturalistic engineering and hydraulics-environmental restoration in draining canals".
Speech of Marco Monaci, Emilia Romagna CIRF Referent: "Morphologic-environmental restoration: the projects of Consortium".
CIRF delegate: Giulio Conte: "Importance of draining canals: current state and perspectives".

25th April 2004 - Potenza

Meeting "water resources management. Archive of Lucano Voices"
"Restoring river is better. But is necessary to improve the decision-making processes"
CIRF delegate: Andrea Nardini

20th April 2004 – Palermo

Meeting "Water: knowledge and re-appropriation of territory".
CIRF delegate: Danilo Colomela, Sicily CIRF referent: "River Restoration: target and way"

6th April 2004 – Castelnuovo Garfagnana (LUCCA)

Seminar in collaboration with ARPAT, Province of Lucca.

3rd April 2004 – Siena

Within the training course "Water culture. Protection and valorisation of water resource and its territory".
CIRF delegate: Laura Leone, Tuscany CIRF referent, gave a lessons: "Complex ecosystems: keeping biodiversity in river ecosystem".

25th-26th-27th March 2004 – Lucca

First Provincial conference "Water human common good"
CIRF delegate: Andrea Nardini, CIRF technical Director, on conflicts management related to water resources

22nd-23th-24th March 2004 – Palermo

Event "Mostra sull'acqua delle 5R: rifletti, ripensa, risparmia, riusa, ricicla (Exhibition on 5R water: reflect, think over, save, reuse, recycle)".

13th March 2004 - Siena

INFEA COURSE for adults

CIRF delegate: Laura Leone, Tuscany CIRF referent

December 2003 - February 2004 – Villa Gina, Trezzo sull'Adda (MILAN)

"Prevention and mitigation of hydraulic risk: a restoring opportunity?"

2003

13th December 2003 – Ponte Buriano (AREZZO)

Meeting "Human activities and water. What sustainable future?"

CIRF delegate: Maurizio Bacci

29th November 2003 – Castel di Sangro (AQUILA)

Meeting "Where future flows, recover and valorisation of water resources for human use and environmental and turistic development".

CIRF delegate: Andrea Nardini, Ileana Schipani

28th Novembre 2003 – S. Vincenzo (PISA)

Meeting "Hydraulic and environmental restoration for improving the water quality".

CIRF delegate: Maurizio Bacci

25th November 2003 – Genova

Meeting "River restoration: methodologies and applications to project and plan".

CIRF delegate: Andrea Nardini

18th – 19th November 2003 – S. Benedetto del Tronto

Seminar "Around Tronto river"

CIRF delegate: Andrea Dignani, Marco Monaci

18th November 2003 – Sarno

Meeting "Observatory on Sarno River"

CIRF delegate: Giulio Conte

18th November 2003 – Lucca

Seminar organized by ENEL on water energies

7th-8th-9th November 2003 – Catania

Forum "Water , neoliberalism, Mediterraneo"

Speech of Andrea Nardini "Protection plan is not just water quality: ideas for a strategy of river restoration"

31st October 2003 – Treviso

Meeting "Community Iniziative Leader II"

CIRF delegate: Andrea Nardini

30th October 2003 – Rosà (BELLUNO)

Conference "Acquadueo (H2O)"

CIRF delegate: Giustino Mezzalira

13th October 2003 – Belluno

Meeting "Water of all, water for all"

CIRF delegate: Andrea Nardini, Giuseppe Baldo

3rd October 2003 – Adria (ROVIGO)

Meeting "The river value"

CIRF delegate: Andrea Nardini, Giuseppe Baldo, Giulio Conte

26th – 30th September 2003 – Comacchio (FERRARA)

Workshop "Principles and Strategies in Participatory Planning and Management / Workshop on Certification Principles of Wetlands' Products and Enterprises"

CIRF delegate: Andrea Nardini, Erich Roberto Trevisiol

27th September 2003 – Valstagna (VICENZA)

Meeting "River system"

CIRF delegate: Giuseppe Baldo

18th September 2003 – Bolzano

Workshop "First workshop of the thematic network on shp"

CIRF delegate: Bruno Maialini

19th September 2003 – Firenze

Meeting "Man and water governance. Drainage: history of yesterday and challenge of today"

CIRF delegate: Laura Leone

10th June 2003 – Mestre (VENICE)

Meeting "territori restoration between city and country- The role of minor water network"

CIRF delegate: Giulio Conte

27th-29th May 2003 – Mantova

International Conference "water, drainage and territori safeguard"

CIRF delegate: Marco Monaci

3rd May 2003 – Abano Terme (PADUA)

Seminar "Sustainable management of the water resources"

CIRF delegate: Giuseppe Baldo

1st April 2003 – Thiene (VICENZA)

Meeting to introduce CIRF to the Unione Mosca Club Vicentini

CIRF delegate: Giuseppe Baldo

28th March 2003 – Avellino

Updating seminar "Buffer Zones and naturalistic engineering"

CIRF delegate: Giulio Conte

22nd March 2003 – Verona

Seminar "Hydroelectric resources in Italy for Kyoto targets. Potential development, technological innovations, planning and environmental best practice"

CIRF delegate: Giuseppe Baldo

20th March 2003 – Bergamo

Seminar "Techniques to work in water bodies and in banks"

CIRF delegate: Giuseppe Baldo

7th March 2003 – Costa Masnaga (LECCE)

Seminar "Give space back to rivers"

CIRF delegate: Giuseppe Baldo

20th – 22nd February 2003 – Trento

Seminar "Riparian Forest. Vegetated channels. Hydraulic and ecological aspects"

CIRF delegate: Marco Monaci

19th January 2003 – Salsomaggiore (MODENA)

"7° UNPEM Trophy"

CIRF delegate: Marco Monaci

2002

18 dicembre 2002 – Cassinazza di Baselica Giussago (PV)

Workshop "Fragmites: biomass useful for environment and agriculture".

CIRF delegate: Floriana ROMAGNOLLI

12th December 2002 – Ponte San Giovanni (PERUGIA)

Round Table "Re-naturalization of Chiascio River"

CIRF delegate: Antonio Brunori

29th November 2002 – Bassano (VICENZA)

Meeting "Brenta. An environment to discover"

CIRF delegate: Giustino Mezzalira

6th November 2002 – Mestre (VENICE)

Seminar "Disposition on water protection against pollution and acknowledgement of the Directive 91/271/CEE regarding urban wastes water treatment caused by agricultural nitrogen.

CIRF delegate: Giulio Conte, Floriana Romagnolli

31st October 2002 – Pergusa (ENNA)

Meeting "Re-naturation of water systems: Pergusa lake".

CIRF delegate: Daniela Dinelli

24th October 2002 – Thiene (VICENZA)

Workshop "Pacts for waters. Bacchiglione river".

CIRF delegate: Erich R. Trevisiol, Andrea Cardini

12th October 2002 – San Donà di Piave

Meeting "Environmental restoration of Piave low flow"

CIRF delegate: Giustino Mezzalira

26th September 2002 – Bassano del Grappa (VICENZA)

Incontro "Brenta. An environment to discover"

CIRF delegate: Giustino Mezzalira

23rd September 2002 – Orbetello (GROSSETO)

Convegno "Earth spurts water everywhere"

CIRF delegate: Andrea Nardini

20th-22nd September 2002 – Orbetello

Seminar "Nature conservation and soil protection: Strategies of WWF Italia"

CIRF delegate: Giustino Mezzalira

14th September 2002 – Piacenza

Meeting "Environmental impact of hydraulic works in rivers and torrents"

CIRF delegate: Giuseppe Baldo

18th June 2002 – Rome

Seminar "What future for basin planning"
CIRF delegate: Andrea Nardini

13th June 2002 – Lastra a Signa (FIRENZE)

Meeting "new tools for Pprevention/reduction of water pollution"
CIRF delegate: Giulio Conte, Andrea Nardini

11th May 2002 – Piacenza

Meeting "Water of Trebbia: a resource for all"
CIRF delegate: Giuseppe Baldo

6th-8th May 2002 – Bogotá (Columbia)

"III encuentro mundial sobre los rios Lagos" – International meeting
CIRF delegate: Andrea Nardini

13th April 2002 – Pontremoli

Meeting organized by fishermen association
CIRF delegate: Giuseppe Baldo

8th March 2002 – Verona

Meeting "Water emergency in agriculture: policies and tools for problems on water resources management"
CIRF delegate: Andrea Nardini

25th January 2002 – Modena

Updating seminar "Passages for fishes"
CIRF delegate: Roberto Loro

2001

30th November 2001 – Ferrara

Meeting "Water ways: valuating advantages and disadvantages"
CIRF delegate: Giuseppe Baldo

19th-20th October 2001 – Parma

Seminar "River Restoration: proposals and European experiences for restoration"
CIRF delegate: Giuseppe Baldo

19th October 2001 – Roma

Meeting "Restart from the Marane. The role of natural environment within the restoration of urban suburbs" CIRF delegate: Maurizio Bacci

12th October 2001 – Venezia

Workshop "New directions within the water cycle"
CIRF delegate: Andrea Nardini, Giulio Conte

10th October 2001 – Legnaro (PADUA)

Lesson "Situation of the minor water bodies and possible applications for Public Corporations"
CIRF delegate: Giuseppe Baldo

4th October 2001 – Trento

Lesson "Re-naturation of a river: cosmetic or environmental improvement?"
CIRF delegate: Giuseppe Baldo

8th September 2001 – Vigevano

Speech: "River Restoration"
CIRF delegate: Giuseppe Baldo

30th May 2001 – Vercelli

Workshop "The green line of the rice-fields"
CIRF delegate: Giuseppe Baldo, Giustino Mezzalira

29th May 2001 – S. Giovanni in Persiceto

Workshop "Water cycle within the territory planning"
CIRF delegate: Giuseppe Baldo, Giulio Conte

25th May 2001 – Parma

Meeting in Po river
CIRF delegate: Giulio Conte

11th May 2001 – Venezia

Meeting "Between earth and sea: for a balanced use and a new culture of the Italian wetlands"
CIRF delegate: Giulio Conte

5th May 2001 – Mogliano Veneto (TREVISO)

Meeting "Sister water: knowing her to save her"
CIRF delegate: Giuseppe Baldo

23rd March 2001 – Abbadia San Salvatore (SIENA)

Meeting "Recovering Amiata River in Siena area: the role of constructed wetlands"
CIRF delegate: Giulio Conte

10th March 2001 – Verona

Meeting "Environmental advantages and economical opportunities of buffer zones in agriculture"
CIRF delegate: Giulio Conte, Giustino Mezzalira

24th February 2001 – Chiuppano (VICENZA)

Meeting "River ecosystem management"
CIRF delegate: Giuseppe Baldo, Giustino Mezzalira.

Publications

La riqualificazione fluviale in Italia: principi, linee guida ed esempi applicativi (River restoration in Italy: principles, guidelines and examples), Mazzanti Editori, Mestre (Venezia), 844 pp. Distributed through CIRF web site (www.cirf.org).

Decidere l'Ambiente. Una visione generale e indicazioni operative sulla problematica acqua, con esemplificazione sul fiume Taro (Deciding the environment. A general vision and operative suggestions on the water problematic, with an exemplification on Taro river), Mazzanti Editori, Venezia 2005
Author: Andrea Nardini

Manuale di Riqualificazione Fluviale, CIRF - Le esperienze pioniere della rinaturalizzazione in Europa (River restoration handbook – Pioneer experiences for river restoration in Europe), Mazzanti Editori, Venezia 2001
Italian Version of the English handbook edited by the "River Restoration Centre (RRC)".

Acqua: Kyoto 2003 "The 3rd World Water Forum"

2003, Cd - rom format

Proceedings of the course "Vegetazione e riqualificazione fluviale (Vegetation and river restoration)"

2003, Cd – rom format

"Le nuove frontiere della fitodepurazione (The new frontiers of constructed wetlands)".

2003, Cd – rom format

Proceedings of the course "L'approccio geomorfologico per la gestione e la riqualificazione degli alvei fluviali (The geomorphologic approach for river management and restoration)"

2002, Cd – rom format

Proceedings of the course "Gestire i conflitti ambientali sul fiume Taro (Management of environmental conflicts on river Taro)".

2002, Cd – rom format

"Dall'approccio 'decisione-annuncio-difesa' (top-down) all'approccio partecipato (bottom-up) per decidere l'ambiente: corsi d'acqua e territorio (From 'decision-announcement-defense' (top-down) to participated approach (bottom-up) for environmental decision-making: streams and territory"

2001, Cd – rom format

CIRF technical and scientific main reference persons

Water quality and pollution control

Giulio Conte - Biologist (CIRF President)

After the degree in biology and the civil service, in 1989 he works one year at SVIMEZ (Association for Industrial Development of Southern Italy) doing research on the state of the environment and water management in southern Italy. From 1990 up to 1994 he works as a scientific consultant for Legambiente (one of the most important environmental NGOs in Italy). At Legambiente he edits, with Giovanna Melandri, the Report on State of the Environment in Italy ("Ambiente Italia Report", published yearly by Legambiente since 1989), and he is the scientific tutor of an important monitoring campaign on the state of Italian rivers ("Operazione Fiumi" 1992, 1993, 1994). From 1995 to 1998 works at Ecomed (Agency for Sustainable Development of Mediterranean created by the Municipality of Rome in 1995), following several studies and projects concerning sustainable use of water and natural resources in Italy and other mediterranean countries.

In 1997, he is in charge with the Technical Commission of the Ministry of the Environment to write the new Law for the protection of water bodies from pollution (D.Lgs 152/99). Since 1998 he is member of the workgroup on ecological network set up by the National Environmental Protection Agency. In 1999, he is entrusted by the Minister of Cultural Heritage with the scientific committee of the first National Conference on Landscape to be held in Rome in 1999. In the year 2000 he is charged to write – with the collaboration of Andrea Nardini and Antonio Massarutto - the chapter on water resources of Italian National Strategy for Sustainable Development, approved by CIPE (Comitato Interministeriale Programmazione Economica) in 2002.

Presently he is involved with ALT ("Environment and Labour", an Italian NGO), in an important project financed by the EU-MEDA program on sustainable use of water in southern mediterranean countries (www.zer0-m.org) and works mainly with Ambiente Italia Srl (www.ambienteitalia.it), a private Research Institute active in the field of natural resource planning, EIA, energy and waste management, Local Agenda 21) and with IRIDRA Srl (www.irdra.com), an engineering firm working in research and design of sustainable solutions for water and wastewater management.

Bruna Gumiero – Biologist

Dr. Bruna Gumiero has a PhD in Ecology and has been a research assistant (1988 to 1996) and contract professor (since 1996) in River Ecology within the Department of Biology at the University of Bologna. She has gained experience on river ecology particularly on macrobenthic invertebrate communities and leaf breakdown rates working on national and international projects. In September 1995 she was involved in a research concerning the "impact of water supply diversion weirs on the Instream Environment" with the Department of Civil and Environmental Engineering at the University of Melbourne. Her research since 1996 has also been focused on dynamics of nitrogen and carbon cycles on river margins within ERMAS II European project (1996-1999) and NICOLAS European project (2000-2002). From July 1999 to October 2002 she has been placed in charge of a three year research project with Dese Sile Drainage Authority - in collaboration with the European Commission Project NICOLAS (Nitrogen Control by Landscape Structure in Agricultural Environments). Since July 1999 she has been on the list of experts for the evaluation of proposals in the key action SM and Q of Water at the European Commission (r.n. EE19981A13063). From September 2003 she has been involved in an integrated project with hydrologists and geomorphologists on flood risk against river restoration.

Fabio Masi - Chemist

After the MSc in Chemistry and the Ph.D. in Environmental Sciences at University of Florence, he is now partner, scientific manager and technical director of IRIDRA S.r.l., an engineering firm working in research and design of sustainable solutions for water and wastewater management.

Expert in Environmental Chemistry, Environmental Analytical Chemistry, Water Chemistry, Wastewater treatment with a particular specialisation in the use of Constructed Wetlands for Water Pollution Control, Environmental Accounting, Auditing and Assessment.

Author of numerous national and international articles on environmental and analytical chemistry and on constructed wetlands applications for wastewater treatment
Lecturer and speaker in numerous conferences, courses and seminars in environmental chemistry, water and air pollution, wastewater natural treatment, EIS. He collaborates in various university research projects.

(advisor) Nick Haycock - Ecologist

He holds a degree in Ecology from the University of Oxford and works as a consultant in environmental issues. He is an international expert in water quality, especially in reference to agricultural ecology, hydrology and nutrient dynamics. One of his main fields of activity is related to design and territorial planning of wetlands for the control of water pollution.

Hydrology, hydraulic modelling, bioengineering

Giuseppe Baldo – Hydraulic engineer (CIRF Director)

He works as Technical Director of the Dese Sile Drainage Authority (Province of Venice), where he has been responsible of the evaluation and implementation of all the projects related to the Authority streams and canal network. Within the Dese Sile activity he has directed experimental projects (carried out in collaboration with European partners) related to agricultural diffuse pollution and has followed various river restoration projects, mainly aimed at reducing the nutrient input of Venice's Lagoon. In 2000-2001 he has directed a LIFE project for the realization of Woody Buffer Strips along the Dese Sile canals.

Andrea Nardini – Civil Engineer - (CIRF Technical Director)

Andrea Nardini holds a degree in hydraulic sanitary engineering from the Politecnico di Milano, Italy (1985). He then specialised at the Department of Electronics of the same Politecnico with prof. Rodolfo Soncini-Sessa, in System Analysis applied to the management of natural resources (especially water resources), with particular emphasis on both real time management and planning decisional problems. He was research fellow and lecturer in a number of national and international specialized courses. In the period 1993-1996 he was responsible for the engineering research group at the interdisciplinary, international, environmental research centre EULA, at the Universidad de Concepción (Concepción, Chile), where he also held the engineering course "Quantitative planning and management of natural resources". In 1999 he was co-founder of CIRF. He collaborated in a number of international research projects, and worked on a number of rivers among which the Biobio in Chile, the Nile in Egypt and the river Po and Arno in Italy. He was senior-expert member of the task force appointed by the Italian Ministry of Environment to ensure the fulfilment of environmental sustainability in the implementation of the programme of structural funding of the European Union 2002-2006. He published several technical and scientific papers and CD ROM on national and international journals, together with a some monographs and books.

He is currently member of the directory board of CIRF and has got the charge of Technical Director. He is senior consultant of the environmental research centre Ambiente Italia, Milano and Rome.

His main activity is applied research and consultancy, at national and international levels, to support public organizations and research centres on approaches, methods and tools to solve environmental problems (particularly related to water resources and river basin management), involving: environmental issues, decision making, sustainable development, developing countries, interest conflicts. His approach is highly multi-disciplinary, ranging from System Analysis (mathematical modelling, Decision Analysis, information technology), environmental economics (integrated evaluation, development policies), environmental sciences, to social sciences (communication, public participation, conflict resolution, value analysis).

Maurizio Bacci - Environmental Engineer

Maurizio Bacci holds a degree in Environmental Engineering and Territorial Planning and is now sole proprietor of Maurizio Bacci Studio Ambientale, engineering consultant and Director of IRIS sas, Firenze, specialised in environmental engineering, territorial planning, research and consulting.

He has been director and lead engineer for over 50 executive projects in environmental engineering, involving flood protection, river restoration and constructed wetland design (wastewater treatment) as well as project director for 30 flood protection and wastewater treatment projects.

He is also author of numerous national and international articles on river restoration as well as lecturer and speaker in numerous university, public and NGO organised courses and seminars in environmental engineering, territorial planning, flood protection, water conservation, wastewater treatment, EIS, energy saving.

(advisor) Rodolfo Soncini-Sessa – Electronic Engineer

Full Professor of *Natural Resources Modeling and Management* at the Politecnico di Milano, Italy. He is chair of Chair Technical Committee on Modelling & Control of Environmental Systems of IFAC, and associated Editor of *Water International* and *Journal of Environmental Management and Modeling*. His main research interests are in the Design of Decision Support Systems for participatory decision making in water resources. He published a number of papers and books on the subject like : *Rinaldi, S., R. Soncini-Sessa, H. Stehfest and H. Tamura, Modeling and Control of River Quality, Mc Graw Hill, New York, N.Y., 1979, and SONCINI-SESSA, R., 2007. Design of Support Systems for integrated modelling and participatory decision making, Mc Graw Hill, Milano.*

Planning, participated approach, decision processes

(advisor) Ortwin Renn – Economist and sociologist

Dr. Renn received an MA degree in Sociology and Economics (European Diploma) and a doctorate degree in Social Psychology, both from the University of Cologne. He also studied journalism at the College for Communication in Rodenkirchen.

He is now professor of Environmental Sociology at the University of Stuttgart and Director of the non-profit company DIALOGIK, a research institute for the investigation of communication and participation processes in environmental policy making. He also chairs the Reseach Unit for Interdisciplinary Risk Research, Governance and Sustainable Technology, within the University of Stuttgart.

He has conducted numerous research projects on risk perception, risk management, environmental policy analysis, conflict resolution, technology assessment, and energy planning. He experimented with new models of citizens' participation and developed new approaches to risk communication. His current research includes environmental economics and sociology, risk perception, risk analysis and risk communication, regional concepts of sustainable development, citizen participation in risk management, attitudes towards technology, and social movements.

He is a consultant to numerous organizations and serves on several national and international advisory boards, such the State Board of Higher Education, the State Commission on Sustainable Development, the Board of Trustees of the German Foundation for the Rights of Future Generations, the Board of Trustees for the Körber Foundation and the Environmental Committees of both the protestant and the catholic Church. Since 2000 he chairs the German Federal Committee on the Harmonization of Risk Standards, the Scientific Advisory Board of the Foundation "Precautionary Risk Management" the State's Scientific Committee for Environmental Research. He was a member of the German Federal Advisory Council for Global Environmental Change (1996-2000) and a member of the Prime Minister's Future Commission in the State of Baden-Württemberg (1998-2000). He is co-editor of the Journal GAIA and of the Kluwer book series on technology and risk. He also serves on several editorial boards of scientific journals such as the Journal of Risk Research, the Journal on "Forest, Snow and Landscape Research" and the "Journal of Sustainability". From 1996 to 1997 he was President of the Society for Risk Analysis Europe (SRA-E)

(advisor) Mark Dubrulle

Mark Dubrulle has 35 years of professional experience in public affairs and communication strategies, as well as in environmental protection and management. He presently is a self-employed Senior Advisor in Environmental Management & Communication Strategies and Senior

Advisor within the Core Team of *Ernst & Young Temporary Management Team* in Brussels. He is also the Managing Director of *Dubrulle s.c.r.l.*, a cooperative services consultancy, and Executive Director of the *Europe of Cultures Forum*.

He has a special expertise in designing external communication strategies and counselling at boardroom level. During the last twelve years he facilitated various EU projects, especially in priority waste streams programmes. These projects included assignments on behalf of the EC, the DOE in the U.K., ENEA in Italy, ADEME in France, OVAM in Belgium.

He designed, organised, facilitated and/or chaired more than 20 international conferences on environmental issues.

A founding member of the Belgian confederation of nature conservation and environmental organisations, he was National Secretary of the *Bond Beter Leefmilieu / Inter-environnement* from 1970 to 1980. He was a co-founder and, from 1980 to 1982, the first Secretary of the Flemish green party AGALEV, but doesn't hold any political mandate.

Appointed Managing Director and General Manager of *Hill and Knowlton International* in Brussels in 1980, he left this leading PR agency to start his own consultancy in 1986. Until 1998 he was Managing Director of *EMSA Europe S.A.*, specialising in environmental management and communication strategies.

He is the author of numerous articles on environmental issues and communication. He published "*Future European Environmental Legislation and Subsidiarity*" ('92) and "*Régionalisme, Fédéralisme, Ecologisme: de nouvelles bases culturelles et économiques pour l'union de l'Europe*" ('95). He lectured at several universities in Belgium, France, Italy and the U.K. He was a Belgian delegate at the UN Conference on the Human Environment in Stockholm (1972), is President of the *European Society for Environment and Development (ESED)*, and Executive Committee member of the *Club of Rome – Brussels EU Chapter*.

A Belgian national, he is proficient in spoken and written Dutch, French and English, fluent in spoken Italian, German and Spanish, with basics of Catalan, Portuguese, Swedish and Greek. He is also a translator into Dutch, French and English, especially (but not exclusively) of environmental subjects.

He was trained at the Naval School and spent two years at sea. His academic background is in psychology and sociology at the Social Academy of his hometown Gent.

Erich Trevisiol – Architect

Erich R. Trevisiol (born 1950), Architect and Environmental Planner, has been a researcher at the Department of Economic and Social Regional Analysis (DAEST, now renominated DP, Planning Department) at the University of Architecture in Venice, Italy since 1976. Since 1989 he has taught Environmental Planning at the Post-Graduate Program in Urban and Regional Planning for Developing Countries (PVS). He has worked on projects involving urban environmental management in countries in Europe and in the Developing World. He has conducted extensive research in the field of environmental planning, specifically in the fields of landscape design, protected areas, and water resources. He is the Coordinator of the Laboratory for the Self Sustainable Development-Urban Waters (www.iuav.it/labsla/labsla.html).

In the developing world: Models of Environmental Planning for the Construction of an Ecological Plan for Development at the Regional level, Boyaca', Colombia, with P.U.J./COLCIENCIAS/IGAC-ORSTOM. 1987-1994; Environmental Evaluation of Upper Orinoco, Venezuela, with C. of E.C./CENAMB. 1990-1995; ECOSCAMBIO: community protection and management in Brasil, with Legambiente/IEA. 1995 - present).

He has provided technical and scientific consulting for Local Administrations (ATO-Bacchiglione and ATO-Laguna; Padova District, Lombardia Region) and Associations (Legambiente, ANAB, INBAR), non-profit organizations (Forum Per La Laguna di Venezia, Centro Italiano di Riquilificazione Fluviale), and international organizations (UNCHS – HABITAT; EXPO 2000 Hannover). He is author of numerous national and international publications.

Andrea Nardini

See above

Stream ecology

Pino Sansoni – Biologist and naturalist

Director of the section "River re-naturalisation" of the ARPAT (Regional Agency for the Protection of the Environment - Tuscany), he is an expert in stream ecology and biological monitoring; on this subjects he has been the author of books and manuals and lecturer in numerous courses. He was a co-founder of CISBA (Italian Centre of Studies in Environmental Biology) and he is editor in chief of the review "Biologia Ambientale" (environmental biology). He is a member of the Technical Committee of River Magra Public Authority and of the National Scientific Committee of Legambiente.

Bruno Maiolini – Biologist

Born in 1949, he has a vast experience in various aspects of stream ecology. He worked on biological indexes (instructor at ten national courses on EBI), environmental indexes (co-author of indexes RCE-2 and IFF). He has followed the biological evolution of river restoration projects in Trentino and carried out research studies on river ecotones in European rivers within the EC projects European River Margins Study I e II. Recently he has focused his research activities into high altitude water ecosystems: he has participated in the EC project Arctic and Alpine Stream Ecosystem Research, followed by local scale projects on the ecology of high altitude running waters and coordinates research on environmental use of water resources in Alpine environments and on the development of specific evaluation methods for these particular habitats. He has published on various Italian and international reviews and delivered numerous lectures.

At present he is curator for invertebrate zoology and hydrobiology at the Museo Tridentino di Scienze Naturali (Natural Science Museum) in Trento.

Giulio Conte – Biologist

See above

Bruna Gumiero – Biologist

See above

Geomorphology

Massimo Rinaldi - Geologist

He holds a degree in Geology from the University of Firenze (1989) and a Ph.D. in Engineering Geology, Geomorphology and Hydrology from the *Università Perugina*. He is now a researcher in Applied Geology at the University of Firenze.

He's a co-founder of AIGA (Italian Association of Applied Geology), AIGEO (Italian Association of Physical Geography and Geomorphology) and IEAG (International Association of Engineering Geology). His main research themes are: river dynamics, riverbeds morphology, evolution and effects of human interventions, methods of identification and analysis of riverbeds, morphological reconstruction of rivers, re-naturalisation, modelization and monitoring of saturated and insaturated flows and instability mechanisms in river banks.

(advisor) Hervé Piegay – Geographer

He holds a degree in Geography and a Ph.D, carried out under the direction of J.P. Bravard at the University Paris IV - Sorbonne. He has been a researcher at the CNRS from 1995, and is a lecturer at Universities Lion II and Lion III. Among his main professional experiences: he has worked as a researcher at the Department of Water Ecosystem Biology of CÉMAGREF (Research Institute for Agriculture and Environment Engineering) and at River Rhône Agency in river re-naturalisation projects.