



Sino-Italian Development Cooperation Programme

Seminar on

“Management of Protected Areas and Technology for Biodiversity Protection”

1) Background Information

"Biodiversity -the variability within and among living organisms and the systems they inhabit- is the foundation upon which human civilization has been built. In addition to its intrinsic value, biodiversity provides goods and services that underpin sustainable development in many important ways, thus contributing to poverty alleviation. First, it supports the ecosystem functions essential for life on Earth, such as the provision of fresh water, soil conservation and climate stability. Second, it provides products such as food, medicines and materials for industry. Finally, biodiversity is at the heart of many cultural values." (Convention on Biological Diversity)

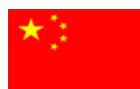
The United Nations General Assembly declared 2010 the *International Year of Biodiversity* (IYB). On the occasion of the celebration of this significant event, the Embassy of Italy in China, the Directorate General for Development Cooperation of the Ministry of Foreign Affairs of the Italian Republic (DGCS) and the Commission of Italy for Shanghai World Expo 2010, in collaboration with the Finance Department of the Ministry of Finance of the People's Republic of China (MOF), intend to organize a Seminar centered on the importance of the maintenance of biodiversity as necessary condition for sustainable development and the attainment of the Millennium Development Goals (MDG).

Inspired by the Shanghai Expo theme *“Better city, better life”* and taking into consideration the strong relationship between sustainable development and the well-being of society, the Seminar *“Management of Protected Areas and Technology for Biodiversity Protection”* will focus on operative ways and systems to achieve effective and sustainable environmental preservation of protected areas.



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2) Concept and Theme

Preserving the richness of land and marine ecosystems, as well as defending public health and safety, represents some of the main priorities of our society.

To achieve a *better life* we must lead the development of our cities and rural areas in a sustainable way, taking care of the environmental impact of industrial and human activities to preserve biodiversity.

Nowadays many technologies are available to support the achievement of these goals. By integrating multiple data sources, such as remote-sensing data, field data, and specific bio-indicators, we can create environmental mathematical models. Through these models and opportune software for scenario forecasting, we can understand the changes that affect the environment in order to mitigate bad effects.

Nowadays the technologies available can effectively support the sector through the employment of systems characterized by appropriate software and networking design. Italy boasts a long-term experience in the management and preservation of Protected Areas and Nature Reserves, as well as in the sustainable management of tourism, which may contribute to achieve sustainability in terms of time and economy of our green resources.

Good practices, appropriate investments and planning should be discussed and analyzed to achieve an effective cooperation and technology transfer between China and Italy.

Moreover, during the Seminar the experts will discuss and describe different advanced systems especially designed and successfully implemented through an integrated approach of analysis for:

1. The role of protected areas in conservation and development processes;
2. Opportunities for improving human well-being while conserving ecosystems and protected areas;
3. Management of protected areas;
4. Threats, Risk and Early warning: assessment and management in natural reserves for all the phases of prevention, emergency and recovery:
 - ✓ *Predictability of meteorological extremes*
 - ✓ *Modeling and forecasting of floods and droughts*
 - ✓ *Remote sensing of hydro meteorological variables*
 - ✓ *Data fusion and Data assimilation*
 - ✓ *Modeling and forecasting of forest fires*
 - ✓ *Dispersion of pollutants in water, soil and atmosphere*
 - ✓ *Marine ecology*



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5. Technological innovation, best practices and lessons learned;
6. The effects of industrial activities on ecosystems;
7. The use of economics as a tool to achieve biodiversity goals and to improve the understanding of the benefits arising from ecosystem services;
8. Investing in conservation, sustainable use of natural resources and adaptation in order to contribute to a green global economic recovery.

During the Seminar a team of Chinese and Italian experts will have a chance to exchange experiences in the conservation and management of protected areas both at strategic and implementation level, and significant case studies of projects financed by DGCS will be presented. The projects respectively aim at the conservation and protection of biodiversity in terrestrial protected areas in the Xinjiang Autonomous Region and in marine protected areas in the Guangxi Autonomous Region. Chinese local Authorities and Natural Reserves Management Organizations are more and more concerned about biodiversity protection; as a consequence they are seeking for equipment and organizational models to guarantee prevention, emergency and recovery.

3) Objectives

In line with the stipulations of the Convention on Biological Diversity (CBD), this Seminar is intended to:

- ✓ Liaise Chinese and Italian experts to establish and maintain cooperation programmes for technological and intelligence transfer for the conservation and sustainable use of biological diversity and its components as well as for scientific and technical exchanges.
- ✓ Bring together different stakeholders to share information and ideas and possibilities of participation and multilateral cooperation in the field of biodiversity protection;
- ✓ Present initiatives in China and Italy aimed at biodiversity protection;
- ✓ Establish working relationships between Chinese and Italian organizations and institutions working in the field of biodiversity protection as well as management of protected areas and nature reserves - at local, provincial and national level.



4) Organization

The organization of the Seminar “*Management of Protected Areas and Technology for Biodiversity Protection*” is as follows:

- Organizers: Embassy of Italy in China
- Directorate General for Development Cooperation of the Ministry of Foreign Affairs of the Italian Republic (DGCS)
- Commission of Italy for Shanghai World Expo 2010
- Supported by: Finance Department of the Ministry of Finance of the People's Republic of China (MOF)
- Executing Parties: Development Cooperation Office of the Embassy of Italy in China (UTL)
- Sino-Italian Development Cooperation - Programmes Implementation Unit (PIU)
- Participants: The seminar is intended for people and institutions dealing with natural reserves management, environmental researchers and Universities, companies operating in the business of environmental data collection and as well as to all the other stakeholders of the sector.
(approx. 100)
- Date: Monday, 13th September 2010
- Venue: Auditorium of the Italian Pavilion in Shanghai World Expo 2010
- Language: English and Chinese Mandarin
(Simultaneous interpretation will be arranged)
- Agenda: The Agenda of the Seminar is attached here below



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5) Agenda of the Seminar

09:30	<i>Arrival of guests to the Italian Pavilion</i>
10:00	<i>Welcome Speeches</i> Prof. Beniamino Quintieri , Commissioner General of Italy for Shanghai World Expo 2010 Prof. Corrado Clini , Director General, Ministry of Environment, Land and Sea of the Italian Republic
10:30	<i>Opening Speeches</i> Min. Elisabetta Belloni , Director General for Development Cooperation, Ministry of Foreign Affairs of the Italian Republic TBC - Ministry of Finance of the People's Republic of China
11:00	<i>Session 1 - Round Table on the Role of Protected Areas for Sustainable Development</i> <i>Chairman: Mr. Mario Tozzi, President, Arcipelago Toscano Italian National Park</i> TBC - Ministry of Environmental Protection of the People's Republic of China Mr. Gaetano Benedetto , Co-Director of WWF Italy and President of Circeo Italian National Park Prof. Fulvio Cerfolli , Professor, Tuscia University TBC - National Development and Reform Commission Prof. Franco Siccardi , President, International Centre on Environmental Monitoring TBC - State Forestry Administration
12:30	<i>Lunch Buffet offered to all guests</i>



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13:30	<p><i>Session 2 - Round Table on Technologies and Know-how for the Management of Nature Reserves</i> <i>Chairman: Prof. Liu Qijing, Doctor of Ecology and Remote Sensing, Beijing Forestry University</i></p> <p>Mr. Kang Jian, Director, Kanas National Nature Reserve, Xinjiang Autonomous Region</p> <p>Mr. Chi Wenjie, Director, Tianchi Bogeda Peak Nature Reserve, Xinjiang Autonomous Region</p> <p>Prof. Michele Ottino, Director, Gran Paradiso Italian National Park</p> <p>Prof. Wang Huimin, Professor in Ecology, Chinese Academy of Science (CAS)</p> <p>Mr. Francesco Gaetani, Seconded by Italy for Group on Earth Observation (GEO) and Project Leader for International Centre on Environmental Monitoring</p> <p><i>Open Discussion</i></p>
15:00	<p><i>Session 3 - Round Table on Marine Ecosystems: Threats to Conservation</i> <i>Chairman: Mr. Mario Tozzi, President, Arcipelago Toscano Italian National Park</i></p> <p>Prof. Li Shangping, President, Qinzhou University, Guangxi Autonomous Region</p> <p>Prof. Wang Yamin, Professor, Shandong University at Weihai</p> <p>Prof. Fulvio Cerfolli, Professor, Tuscia University</p> <p>Prof. Yin Chunsheng, Director, Department of Marine Environment, Shanghai Ocean University,</p> <p>Mr. Massimiliano Rosso, Post Doc Fellow, International Centre on Environmental Monitoring</p> <p><i>Open Discussion</i></p>
16:30	<p><i>Visit to the Italian Pavilion</i></p>



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6) Contact us

Should you need further assistance or request any additional information about this Seminar please contact us:

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