



II INTERNACIONAL SYMPOSIUM ON ECOLOGICAL RESTORATION

SECOND CIRCULAR

Introduction

The ecological restoration constitutes a growing discipline that gains more space in the conservation of natural resources, as a remaining for man to recover for future generations, natural representative areas of the biodiversity.

The world wide development of this issue is giving important patterns to follow for the improvement of our efforts in this field, hence necessity of developing international meetings that contributes to the knowledge and divulgation in order to encourage their applications.

The first symposium held in Cuba in 2004 was the propitious frame, in which important aspects related with the ecological restoration issues and their application in Latin-American conditions were discussed. Besides it was departure point for new meetings in which criteria and solutions to possible arising difficulties in the application of this technique would be unified and found out. An important conclusion of this first symposium was the necessity to create a net (The Iberoamerican Net of Ecological Restoration) that contributes to the integration and communication among all the specialist, and people of our region interested in this practice.

The Second Symposium on Ecological Restoration to be held from April 16 to 22, 2007 in Santa Clara, Cuba organized by the Cuban Group of Ecological Restoration and the National Enterprise for Flora and Fauna Protection will be the ideal scenery to carry out the commitment of the following objectives:

- To constitute the ideal frame for the participation of all people interested on issues related to the use of the ecological restoration at different levels: population, habitat, community, ecosystems and landscapes.
- To interchange experiences about the effectiveness of the application of ecological restoration techniques to recover degraded ecosystems, its goals, methods, and outlooks.
- To encourage the ecological restoration use, along with the economical and political support by the disclosure of the successes and results of these efforts.
- To promote the integration of societies, groups and individuals from Latin-American and Spain devoted to the recovering of degraded ecosystems in order to create the Iberoamerican Net of Ecological Restoration.

The organizing committee of the Second Symposium on Ecological Restoration to be held from **April 16 to 22, 2007 in Santa Clara, Cuba** is pleased to invite you to this next meeting.



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Under the auspices of:

Cuban Group of Ecological Restoration
National Enterprise for the Protection of Flora and Fauna
Cuban Society of Botany
National Botanic Garden
National Net of Botanic Gardens
National Center of Protected Areas
“Villa Clara” Botanic Garden
“Marta Abreu” Central University of Las Villas
Latin-American Botanic Association (LBA)
Ministerio de Ciencia Tecnología y Medio Ambiente
CYTED
FONADEF
Forest State Service
Cuban Association of Agricultural and Forestry Technicians



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Organizing committee

Chairman

Jesús Matos Mederos:
Chairman of Cuban Group of Ecological Restoration.
Wild Flora Management specialist.

Vice-chairman

Domingo Ballate Denis:
Vice president of Cuban Group of Ecological Restoration.
Specialist in silvicultural management

Executive secretaries

Grecia Montalvo Fernández: Cuban Group of Ecological Restoration.
Alberto. I. Torres Bilbao: Cuban Group of Ecological Restoration.

Divulagation

Fernando Franco Flores
"Marta Abreu" Central University of Las Villas.

National scientific committee

- § M. Sc. Jesús Matos Mederos
Chair of Cuban Group of Ecological Restoration.
- § Dr. Alfredo Noa Monzón
Director of Villa Clara's Botanic Garden.
- § M. Sc. Idelfonso Castañeda Alfonso
"Marta Abreu" Central University of Las Villas.
- § M. Sc. Ramona Oviedo Prieto
Director of National Herbarium (HAC).
Ecology and Systematics Institute (IES).
- § M. Sc. Ángel Arias Barreto
Center of studies and environmental services of CITMA (CESAM).
- § M. Sc. Ángel Quirós
Center of studies and environmental services of CITMA (CESAM).
- § Ing. Remo Pérez León
- § M. Sc. Grisell Díaz Martínez
Asociación Cubana de Técnicos Agrícolas y Forestales (ACTAF).

Symposium Honor Committee



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- ♦ Commander Guillermo Garcia Frías
General Director of the National Enterprise for the Protection of Flora and Fauna. Cuba.
- ♦ Lic. Gabriel Brull Puebla
General Sub Director of the National Enterprise for the Protection of Flora and Fauna. Cuba.
- ♦ Eng. Odalis Hernández Rivero.
Director of Cubanacán Territorial Group. National Enterprise for the Protection of Flora and Fauna. Villa Clara. Cuba.
- ♦ M. SC. Lázara Sotolongo
President of Cuban Botanical Society. Cuba.
- ♦ Dr. Angela T. Leyva Sánchez
Director of National Botanical Garden. Cuba.
- ♦ Lic. Reinaldo Estrada Estrada
Director of National Center of Protected Areas. Cuba.
- ♦ Dra. María del Carmen Velázco
CITMA delegate in Villa Clara province. Cuba.

Symposium Headquarter

The "Bolívar" Convention Center organizes, promotes and carries out events of small and medium format. It is located in the city of Santa Clara, 300 km from Havana; the capital of the Republic of Cuba. The center has four conference rooms, equipped to cover a wide spectrum of events, and covers an approximate area of 400 m². The gastronomic services include the "Los Azahares" bar-restaurant and a cafeteria with a variety of offerings and excellent service. This institution is distinguished for its beautiful gardens and pleasant ambience. The privileged geographical location guarantees easy access from any part of the island, shortening the distances to travel.

Personal invitations

The organizing committee will send you a personal invitation letter if you need it, please not hesitate to ask for it at: sisre@ccb.vcl.cu o sisrec2007@uclv.edu.cu



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Issues

During the meeting oral speech contributions (ten minutes length) could be presented, free posters and videos (VHS format, NTSC norm) about the following issues:

- *ECOLOGICAL RESTORATION.*
 - Restoration of population, habitats, ecosystems and landscapes (terrestrial, and aquatic).
 - Ecological restoration and carbon catchments.
 - Methods, techniques and tools for ecological restoration.
- *ECOLOGICAL SUCCESSION.*
- *STUDIES AND MANAGEMENT OF SEEDS.*
 - Use of traditional ways in the management of seeds.
 - Use of biotechnological techniques in the management of seeds.
- *STUDIES AND MANAGEMENT OF FAUNA FOR RESTORATION.*
- *PRODUCTION AND QUALITY OF THE SEEDLING'S NATIVE PLANTS.*
- *STUDIES AND MANAGEMENT OF SOILS.*
- *MICROBIOLOGY AND ECOLOGICAL RESTORATION.*
 - Fungus and bacteria in the soil recovery.
 - Relation between microorganisms and heavy metals.
- *BIOLOGICAL INTERACTIONS FOR ECOLOGICAL RESTORATION.*
- *OTHER FORESTRY MANAGERMENTS FOR THE RESTORATION.*
 - Integral management of fire for restoration.
- *ENVIRONMENTAL EDUCATION AND COMMUNITARY PARTICIPATION.*
- *URBAN RESTORATION.*
- *ECOLOGICAL RESTORATION, ECONOMY AND POLICY.*
- *OTHERS MANAGEMENT TECHNIQUES FOR DEGRADED ECOSYSTEMS.*
 - Rehabilitation.
 - Environmental sanitation.
 - Others.



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Scientific Program

The program will hold workshops, oral presentations, conferences and posters about the results obtained in the application of ecological restoration technique, thus a great diversity of papers will be appreciated.

It will include three field trips to sites where the ecological restoration technique is applied. The intending sites to visit are: "Cayo Conuco" and the protected natural landscape "Hanabanilla".

General Program

Monday, April 16

09:00 -11:00 Accreditation at "Bolívar" Convention Center
11:00 -12:30 Symposium inauguration, opening of the second RestaurARTE room and welcome cocktail
12:30 -13:30 Lunch.
13:30 -14:30 Magisterial conference.
14:30 -15:30 Workshop "Invader species management in insular ecosystems".
15:30 -15:40 Coffee break
15:40 -17:40 Workshop "Invader species management in insular ecosystems".
18:00 - Welcome dinner.

Thursday, April 17

08:00 - Transportation to the "Bolívar" Convention Center.
08:30 -10:30 Oral presentation sessions and poster sessions.
10:30 -10:40 Coffee break.
10:40 -12:30 Oral presentation sessions and poster sessions.
12:30 -13:30 Lunch.
13:30 -15:30 Workshop "Biological interactions and ecological restoration".
15:30 -15:40 Coffee break
15:40 -17:00 Workshop "Biological interactions and ecological restoration".
17:00 - Transportation to the Hotel.
21:00 - Evening activity at "El Bosque" cabaret.

Wednesday, April 18

08:00 - Transportation to the "Bolívar" Convention Center.
08:30 - 10:30 Oral presentation sessions and poster sessions.
10:30 - 10:40 Coffee break.
10:40 - 12:30 Oral presentation sessions and poster sessions.
12:30 - 13:30 Lunch.
13:30 -15:30 Workshop "Restoration of littorals ecosystems (coastal dunes, mangroves and coastal wetland)".
15:30 - 15:40 Coffee break.
15:40 -17:00 Workshop "Restoration of littorals ecosystems (coastal dunes, mangroves and coastal wetland)".
17:00 - Santa Clara sightseeing tour, including a visit to the "Che" Memorial.
20:00 - Optional activities.



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Thursday, April 19

08:00 - Transportation to the “Bolívar” Convention Center.
08:30 - 10:30 Oral presentation sessions and poster sessions.
10:30 - 10:40 Coffee break.
10:40 - 12:30 Oral presentation sessions and poster sessions.
12:30 - 13:30 Lunch.
13:30 - 15:30 Workshop “Conservation of seeds for ecological restorations”.
15:30 - 15:40 Coffee break.
15:40 - 17:00 Workshop “Conservation of seeds for ecological restorations”.
20:00 - Optional activities.

Friday, April 20

08:00 - Transportation to the Bolívar Convention Center.
08:30 - 10:30 Oral presentation sessions and poster sessions.
10:30 - 10:40 Coffee break.
10:40 - 12:30 Oral presentation sessions and poster sessions.
12:30 - 13:30 Lunch.
14.00 – Celebration of the Constituent Assembly of the Ibero-american Net for the Ecological Restoration.

Saturday, April 21

08:30 – A trip to “Cayo Conuco” where a rehabilitation project of semideciduo micrófilo forest is being developed.

Sunday, April 22

08:30 – A trip to “Hanabanilla” protected area.
12:00 - Symposium closure.
13:00 - Farewell lunch.

Workshops confirmed

- **Workshop “Biological interactions and ecological restoration”.**

Coordinators:

Dr. Regino Zamora (University of Granada. Spain. e mail: rzamora@ugr.es)

Lic. Lilia Collar (Cuban Institute of Ecology and Systematic. e mail: lcollar@gmail.com)

- **Workshop “Restoration of littorals ecosystems (coastal dunes, mangroves and coastal wetland)”.**

Coordinators:

Dra. María Luisa Martínez (National Institute of Ecology, INECOL. Xalapa. México. e.mail: maluisam@ecologia.edu.mx)

Lic. Leda Menéndez (Cuban Institute of Ecology and Systematic. e. mail: leda@ecologia.cu)



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- **Workshop on Seed Conservation for Ecological Restoration**

Coordinators:

Dra. Tiziana Ulian (Seed Bank Milenio. Kew Garden. England. e. mail: t.ulian@rbgkew.org.uk)

M. Sc. Bárbara Muñoz (Cuban Institute of Ecology and Systematic. e. mail: bmunoz@ecologia.cu)

- **Workshop “Invader species management”.**

Coordinators:

M. Sc. Ramona Oviedo (Cuban Institute of Ecology and Systematic. e. mail: tomariel@infomed.sld.cu)

Dra. Rachell Atkinson (Charles Darwin Foundation. Ecuador. e. mail: ratkinson@fcdarwin.org.ec)

Lic. Susana Chamorro (Charles Darwin Foundation. Ecuador. e. mail: schamorro@fcdarwin.org.ec)

The abstracts and the whole papers for workshops must be sent to their coordinators with copy to the symposium organizing committee, the organizing committee won't be responsible for the paper not addressed to them.

Characteristic of the trips

The trip to “Cayo Conuco”: this key is situated 51 km from Santa Clara city and from those bellowing to Sabana-Camagüey archipelago it is the closest to the coastal. We will visit a rehabilitation project in damage areas of semideciduo micrófilo forest; throughout the natural path “Del bosque de hoy al bosque de mañana” the results of this project will be explained.

In the afternoon it will visit Santa María key, situated 48 km to the north from Caibarién town. This key is joined to the coast by a stone built along the cost of the sea. There, we will visit the natural path “Loma Pelo de Oro” and the beach “La Estrella” where we could take a bath.

The trip to “Hanabanilla” Natural Landscape: It is part of the mountainous region known as Escambray, situated at “Hanabanilla” lakeshore from which the mountainous arise offering wonderful landscapes that could be enjoyed while sailing across the lake. We also visit the natural path “Los Helechos” and a restoration project at an evergreen mesofilo forest.

The symposium closure consists of a party that will take place at “Río Negro” restaurant situated close to the lake.

It is important to bring appropriated clothes for the field trips, as well as bathing suit, and products against insect bites.

Meeting

To carry out the agreement taken by the participants at the first Symposium on Ecological Restoration held in Cuba in 2004 and using the frame of this forthcoming one, a meeting for the Iberoamerican Ecological Restoration Net foundation will be held.



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The Net's main objective will be headed to propitiate the integration of technicians, specialists, conservationists, natural resources managers, people and institutions interested in ecological restoration issues and ecosystems management in Iberoamerica.

The coordinating council of foundation will offer details about its development during the symposium duration, for more information you may contact the symposium organizing committee.

Norms for the presentation of the summaries

Abstracts should be submitted in Microsoft Word 6.0 or later. The text font should be Arial (11 points), with a space and a half between lines. The abstract should not exceed one sheet of letter-size paper (8.5" x 11").

The title should appear first in the center and in bold capitals, followed by a blank line, then the names of the authors (first initial followed by last name), separated by commas and underlining the name of the author who will make the presentation. Next the institution (s) of origin should be given as follows: name of the institution, postal address, city and country; it is recommended to include the telephone number, fax number and electronic mail address as well.

A blank line should be left between the institutional identification and the text of the abstract, within which paragraphs should not be indented, nor should there be additional space between paragraphs. The following structure is recommended: exposition of the problem, hypotheses, main methods or techniques employed results and their significance. The type of presentation should be specified: oral presentation or poster.

The application of inscription and summary must be sent before January 31, 2007 by e-mail. The scientific committee will confirm the selection of works before March 15, 2007 by email. Poster inscriptions of "Last Minute" will be accepted until April 15, 2007 (16:00 h)

The "Last Minute" delegates will receive the accreditation credential and the participation certificate.

Norms for posters presentation

- The paper titles, names of the authors and institutions must be written on the poster superior part.
- Poster size will be 1.00 width x 1.50 lengths.

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Norms for the publication of extended papers

All papers to be presented will be published in the memoirs of the event. They should observe the same norms that those for the presentation of abstracts except that the maximum length will be 10 pages, including charts and diagrams.

The summaries and extended papers could be sent by e. mail to:

M. Sc. Grécia Montalvo Fernández or Alberto Torres Bilbao.

E mail: sisrec2007@uclv.edu.cu o sisre@ccb.vcl.cu



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Application form

Name and last name:

Category or Degree: Dr. M.Sc. Lic. Others.

Delegate: Student: Accompanying person:

Address:

Country:

Institution:

Paper presentation title:

Type of Presentation: Oral presentation: Poster: Video:

Email:

Fax:

Phone:

Inscription fees

Delegates: 250 USD.
Students: 150 USD.
Accompanying persons: 150 USD.

The inscription fee will be paid in cash at the moment of the presentation before the accreditation bureau.

The convertible Cuban money (peso or CUC) must be exchanged at the airport or at any bank, hotel, or money exchanging house in the country. The change of this money can be effective with sterling pounds, Swiss francs, Mexican pesos, and Canadian or US dollars. The US dollars have a discount of 20%. You can pay with VISA, MASTER CARD, CABAL and VISA ELECTRÓN credit card. Credit cards with funds in USA banks won't be accepted.

The undergraduate should present an accreditation letter signed and sealed by the study centre direction.

Rights for inscription concept

- ◆ Delegate (including students): Credential, participation at the symposium scientific activities, summary, participation certificate and other supporting materials, welcome cocktail, lunches, coffee break, and farewell party.
- ◆ Accompanying: Credential, participation at the social program of the symposium including excursions (welcome cocktail, lunches, coffee break, farewell party and souvenirs).



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Access to Cuba

UniversiTUR is the travel agency of Cuban Universities, dedicated to specialized trips and academic, scientific and professional exchange, with agents all over the world. You can book your trip to Cuba through their headquarters in the city of Havana or at any of their branches located in different provinces of our country. With this agency you can enjoy advantages such as personalized attention, legal protection in our country, transportation between the airport and the event headquarters, transportation during the event and optional activities.

It is required a tourism card or visa to travel to Cuba. The tourism card could be acquired through any UniversiTUR agency. In countries, where this agency doesn't exist, you can get the visa in your country's Cuban embassy with no less than 45 days before your trip. Neither the organizing committee, nor the travel agency will be responsible to get the visas.

Prices for non-Cuban participants

(IN US DOLLARS, PER PERSON)

LODGINGS	DOUBLE ROOM		SINGLE ROOM	
	CP	MAP	CP	MAP
OFFER I	245.00	305.00	255.00	345.00
OFFER II	280.00	365.00	315.00	430.00
OFFER III	380.00	475.00	450.00	595.00
OFFER IV	415.00	520.00	505.00	660.00

OFFER I: Lincoln Hotel ** (Havana) - University Residence of "Las Villas" Central University (Santa Clara city)

OFFER II: Lincoln Hotel ** (Havana) - Santa Clara Libre Hotel ** (Santa Clara)

OFFER III: Vedado Hotel *** - Los Caneyes Hotel *** (Santa Clara)

OFFER IV: Riviera Hotel **** (Havana) - Los Caneyes Hotel *** (Santa Clara).

CP: It includes lodging and breakfast.

MAP: It includes lodging, breakfast and dinner.

These prices include:

- Welcome at the José Martí Airport in Havana
- Transfers: airport – hotels.
- Transfer: Havana - Santa Clara. April 15, 2007 (15.00 hours)
- Daily transfers: hotels - place of the event - hotels
- Transfers to the official activities of the event
- 2 nights in Havana and 8 nights in Santa Clara
- Santa Clara city tour, including a visit to the Ernesto "Che" Guevara Revolution Square and the "Che" Memorial, where his remains and those of his guerrilla partners have been laid to rest
- Confirmation of airline tickets
- Guide service
- Personalized attention
- Transfer: Santa Clara – Varadero - Havana, April 23, 2007, at 09:00 hours.



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These prices do not include:

- Airport departure tax: \$25.00 USD (it is paid at the time of departure from Airport).
- Beverages with meals
- Registration fee for the event (it will be paid at the moment of accreditation)
- Trip insurance
- Transfer for individual's pax.

For further information related to the trip. Please contact:

Lic. Ydeliza Pérez González
Dr. Raúl González López

UniversiTUR Agency of Specialized Trips
Central University of Las Villas

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E mail: universitur.uclv@enet.cu
raulglez@uclv.edu.cu

WEB: www.universitur.uclv.edu.cu

It is important for you to remember the following dates:

January 31, 2007: Limit date to send the abstracts and the whole paper.

March 15, 2007: Limit date of acceptance confirmation.

April 15, 2007: Limit date of acceptance of last minute.

April 16, 2007: Opening and accreditation of the II International Symposium on Ecological Restoration.