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Soil microbial ecology: ecosystemic functions and services

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Chinese Workshop on
tal Remediation and
Control and Evaluation
25th-29th, 2010 Guangzhou, China

Franco-
Environmen
Pollution
October

On behalf of the Scientific and the Organizing
Committees we would like to announce the Franco-
Chinese Workshop on Environmental remediation and
pollution control and evaluation (ERPCE2010) to be held
in Guangzhou, in 2010.

ERPCE2010 is organized under the auspices of the
French Ministry of Foreign Affairs, National Institute of
Agronomy Research (INRA) of France and Sun Yat-sen
University in China. The three parts have already
successfully held Franco-Chinese works in 2003 and 2005.
Workshop themes

Jointly organised by Sun Yat-sen University and INRA
(Département Environnement et Agronomie), the
Heavy metals in soils: pollution, dynamics and
workshop will gather forty top scientists of both
remediation
countries in the field covered, in order to identify the
Organic pollutants in soils:
scientific questions to be addressed jointly, and prepare
Solid waste and waste water management
future joint programmes. Also, the workshop is aimed at
Greenhouse gases
identifying the research plate-forms developed by both
Experimental and virtual plate-forms
parts, and draw the basis for a common network for
experimentation, exchange of scientists and students.

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The main objectives are to expand the existing
Venue & Language
scientific collaborations between China and INRA in the
field of soil pollution and remediation, and initiate new
October 25th-29th, 2010
collaborations in other areas of common interest, related
Yat-sen University, Guangzhou, China
to global change, air and water quality, and solid waste
workshop language is English
management relevant for agriculture and food safety,
with a special attention for new insights, modelling and
technological applications.

- Date,
-
- Sun
- The

am Outline

Progr

The workshop will generate a set of proceedings that
include the abstracts of oral and poster presentations.
We expect that the state-of the-art for current uses and
October 24th Registration

-
-

October 25th-26th Technical tours
novel processes for further development and future
application will be presented at EBPCE2010.
October 27th-29th Workshop

□

Sincerely yours

Now, more than ever
fore, is the time for you
connect and share what

be
to

know with your peers
om around the world and

“
you
fr
he

lp to shape the global
Dr. Guy RICHARD
management of
Chairman of EBPCE2010
(French part)
environmental pollution. ”

Dr. Rongliang QIU
Chairman of EBPCE2010
(Chinese part)

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Franco-Chinese Workshop on

Environmental Remediation and
Pollution Control and Evaluation

October 25th-29th, 2010 Guangzhou, China

Jointly organized by:
Proceedings

A one-page abstract of the paper will be pre-published in a
book, along with the program. Full texts will be jointly published
in Agriculture and Sustainable Development and Pedosphere.

Technical Tours

The Workshop starts with two or more technical tours around
the Pearl River Delta region. Destinations are Foshan, Zhuhai and
Shaoguan for investigation of wastewater treatment, solid waste
handling and heavy metal contaminated soil bioremediation. The
tours will be sponsored by Sun Yat-sen University.

Contact Information

All correspondence about this conference should be sent directly to the OC.

OC Contact:

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Guangzhou in October

Weather

o

The temperature is in a comfortable range of 15.9-24.5 C, with seldom rains in October.

Visit

After several years' treatments of the water and construction along the two banks, the Pearl River Guangzhou section is nowadays a great place worth visiting. A night trip along the Pearl River will be sponsored by Sun Yat-sen University.

Hotel

Several hotels inside or near the campus will be chosen for the participants. Payments for the hotels will come from INRA and SYSU respectively for the French and Chinese part.

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Franco-Chinese Workshop on

Environmental Remediation and
Pollution Control and

October 25th-29th, 2010

Evaluation

Guangzhou, China

Organisational Committees

Honorary Chairman: Anlong XU
University

Vice President of Sun Yat-sen

Xiaoping ZHONG
and Technology Department

Vice Director of Guangdong Science

Members: Xinde CAI
of Environmental Sciences, MEP

Researcher, South China Institute

Jérôme Guérif
international affairs of Dept EA, INRA

Vice-head in charge of

Dingqiang LI
Eco-Environmental and Soil Sciences

Head of Guangdong Institute of

Shiyu LI
University

Dean, Professor, SESE, Sun Yat-sen

Zheng LI
INRA in China

Professor, Chief representative of

Sylvie MAINI
EA, INRA

Assistant of the head of the Dept

Didier MARTY-DESSUS
France (Canton)

Professor, Consulat General de

Jean-Louis MOREL
Environnement, ENSAIA-INRA

Professor, Lab. Sol et

Rongliang QIU
University

Professor, SESE, Sun Yat-sen

Guy RICHARD
and Agronomy, INRA

head of the Department Environment

Lianpeng SUN
Yat-sen University

Associate Professor, SESE, Sun

Qitang WU
Agricultural University

Professor, South China

Sun Yat-sen University	Lianghui XIA	Assistant of President, Professor,
Sciences	Shaohai YANG	Guangdong Academic of Agricultural
University	Renduo ZHANG	Professor, SESE, Sun Yat-sen
OC Secretary: University	Shizhong WANG	Doctor, SESE, Sun Yat-sen

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Workshop on	Franco-Chinese
Remediation and	Environmental
Evaluation	Pollution Control and
2010 Guangzhou, China	October 25th-29th,

Oct. 25th Science	□ Research base of Guangdong Academy of Agricultural
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□ Remediation Engineering of Dong Hao River

Oct. 26th Mountain	□ Remediation Base of heavy metal contaminated soil, Dabao
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Franco-Chinese Workshop on

Environmental Remediation and
Pollution Control and Evaluation
October 25th-29th, 2010 Guangzhou, China

Oct. 27th	OPENING CEREMONY
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□ Location :The Swasey Hall

TOPIC	TIME	SPEAKER
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Opening Ceremony	9:00	President of SYSU
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Consul of French Consulate in Guangzhou
Photo Session

BIOGEOCHEMICAL CYCLE & GREENHOUSE GASES

- Location :The Swasey Hall
- Session Chair : Dr. Catherine Hénault
Dr. Renduo ZHANG

TOPIC	TIME	KEYNOTE SPEAKER
Carbon cycle in soils in agrosystems	09:30	Jérôme BALESSENT (GSE)
		Renduo ZHANG
Climate change and soil greenhouse gases	10:00	(Sun Yat-sen University)

TOPIC	TIME	SPEAKER
Nitrous oxide emissions by soils : Understanding the variabilities for mitigation	10:30	Catherine HÉNAULT (UR SOLS)
Contributions of biogenic and biomass burning emissions to atmospheric compositions in South China	10:50	Zunyu CHEN (Sun Yat-sen University)
Evaluation of N O emissions : Issues in measurement and modelling	11:10	Joël LÉONARD (UAIECA)
Characteristics and sources of atmospheric nitrogen deposition	11 :30	Xuemei WANG (Sun Yat-sen University)

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Franco-Chinese Workshop on

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Pollution Control and Evaluation

October 25th-29th, 2010 Guangzhou, China

Oct. 27th
REMEDIATION

SOIL POLLUTION WITH HEAVY METALS AND

- Location: D129, Dihuan Building
- Session Chair: Dr. Sylvain PELLERIN
Dr. Yongguan ZHU

TOPIC	TIME	KEYNOTE SPEAKER
The molecular mechanisms of biotransformation of arsenic in		Yongguan ZHU (Research Center for Eco

	14:00	Environmental, Chinese Academy of
Science) the environment		
Metal pollution of agricultural soils: risk assessment and	14:30	Sylvain PELLERIN (TCEM)
management		
	TIME	SPEAKER
TOPIC		
		Mei LEI (Institute of Geographic
Science and	15:00	
Engineering Applications of Some Phytoremediation Patterns		Natural Resources Research, CAS)
Hyperaccumulation of metals; potential for phytoextraction	15:20	Guillaume ECHEVARRIA (LSE)
and phytomining		
	15:40	WenshengSHU (Sun Yat-senUniversity)
Phytoremediation of Cadmium		
		Coffee Break
		TREATMENT TECHNOLOGIES OF WASTEWATER,
SOLID WASTES & SOILS		
		□ Location: D129, Dihuan Building
		□ Session Chair: Dr. Sabine HOUOT
		Dr. Hongping HE
	TIME	KEYNOTE SPEAKER
TOPIC		
	16:20	Sabine HOUOT (EGC)
Use of organic waste in agriculture		
	16:50	Hongping HE(Guangzhou Institute of
Environmental materials and their potential use in pollution		Geochemistry,CAS)
control		
	TIME	SPEAKER
TOPIC		
	17:20	Eric TRABLY (LBE)
Biotechnological processes for treatment of waste water		
and solid wastes		
	17:40	Qitang WU (South China Agricultural
Phyto-treatment of sewage sludge and recycling sludge		University)
leachate in agriculture		
	18:00	Shungui ZHOU (Guangdong Institute of
Eco- Microbial fuel cell and its application in organic pollutant		Environment and Soil Sciences. CAS)

removal

Heavy metals uptake and tolerance characteristics and mechanisms
18:20 Zhihong YE (Sun Yat-sen University)

of wetland plants and the use in sewage purification

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Franco-Chinese Workshop on

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Pollution Control and Evaluation

October 25th-29th, 2010 Guangzhou, China

Oct. 28th

ORGANIC POLLUTANTS IN SOILS

- Location: D129, Dihuan Building
- Session Chair: Dr. Marc VOLTZ
Dr. Qiaoyun

HUANG

TOPIC	TIME	KEYNOTE SPEAKER
Soil microbial ecology: ecosystemic functions and services	08:30	Laurent PHILIPPOT (MSE)
Agricultural		Qiaoyun HUANG (Central China

Chemical and microbial immobilization of heavy metals in soils	09:00	University)
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TOPIC	TIME	SPEAKER
Analysis and modelling of the fate of pesticides in agrosystems at field and catchment scales	09:30	Marc VOLTZ (LISAH)
Eco-		Fangbai LI (Guangdong Institute of
Chemical remediation of soil organic pollutants	09:50	Environment and Soil Sciences. CAS)

Analysis of organic pollutants and perspectives for long term field monitoring	10:10	Antoine RICHARD (LAS)
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Coffee Break

TOPIC	TIME	SPEAKER
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Fate of chlordecone in agrosystems in the French West Indies;
10:50 Yves-Marie CABIDOCHÉ (UAZC)
perspectives for remediation of contaminated soils and
waters

11:10 Hua YIN (Jinan University)
Benzo[a]pyrene biodegradation by *Arthrobacter oxydans* B4

Chemical oxidation and reduction of soils contaminated by
11:30 Marie-Odile SIMONNOT (LRGP)
persistent organic pollutants

11:50 Lixian YAO (Guangdong Academic of
Environmental residue of antibiotics for animal husbandry in
Agricultural Sciences)
Guangzhou

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Franco-Chinese Workshop on

Environmental Remediation and
Pollution Control and Evaluation

October 25th-29th, 2010 Guangzhou, China

Oct. 28th

EXPERIMENTAL AND VIRTUAL PLATE-FORMS

- Location : D129, Dihuan Building
- Session Chair: Dr. Dominique

ARROUAYS

Dr. Yusuo LIN

TOPIC	TIME	SPEAKER
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« Gisfi » experimental plate-form to understand the functioning and evolution of Technosols and develop technologies for the remediation of brownfield and contaminated	14:00	Jean Louis MOREL (LSE)
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the « RMQS » project: the network for soil quality assessment	14:30	Dominique ARROUAYS (Info Sols)
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Environmental	14:50	Shanling ZHANG (Ministry of
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Introduction of National Soil Remediation Project
 of China) Protection of the People's Republic

Environmental Yusuo LIN (Nanjing Institute of

15:10

Introduction of National Soil Remediation Project
 Sciences, MEP)

Coffee Break

TOPIC	TIME	SPEAKER
the « Virtual Soil » project	15:50	François LAFOLIE (EMMAH)
of Eco-		Dingqiang LI (Guangdong Institute
Digital Museum of Soil	16:20	Environment and Soil Sciences, CAS)

« RECORD » plate-form: modeling of biophysical functioning
 of watershed coupled with technical management of farms -
 application to livestock systems in coastal watersheds

16:50

Frédéric GARCIA (MIA)

Modeling of water-sand-pollutant fluxes in river network and
 estuary in Pearl River Delta

17:20

Shiyu LI (Sun Yat-sen University)

Water project of Ministry of Environmental Protection
 Environmental Sciences, MEP)

17:50

Xinde CAI (South China Institute of

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Chinese Workshop on Franco-
 Environmental Remediation and Environm
 n Control and Evaluation Pollutio
 25th-29th, 2010 Guangzhou, China October

Oct. 29th ROUND TABLE

- Time: 9:00-12:00 am
- Location : D127, Dihuan Building
- Session Chair : Dr. Jean Louis MOREL
 Dr. Rongliang QIU

and other researchers who have common interests

- Participants : All the workshop speakers

TOPICS

covered

- Discussions concerning all the 5 themes

environmental research

- Franco-Chinese joint platform for

collaborations

- Perspectives and road map for other