

Final Programme



3GBGC

3rd Global Botanic Gardens Congress

Building a sustainable future:
the role of botanic gardens

April 16-20, 2007 Wuhan, China

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BGCI

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Welcome Address

We are delighted to welcome you to the 3rd Global Botanic Gardens Congress, which is being held in Wuhan, China from the 16-20 April, 2007. The Congress is being organized by the Wuhan Botanical Garden, Chinese Academy of Sciences, State Forestry Administration, the Hubei Provincial Government, the Wuhan Municipal Government and Botanic Gardens Conservation International.

The Global Botanic Gardens Congress is held every three years and is recognized as the primary international event for botanic gardens worldwide. This is the first time it has been held in Asia and will mark the 20th anniversary of BGCI.

The importance of botanic gardens in plant conservation, research and public education and awareness about plant diversity is now widely acknowledged. Our role in contributing towards the implementation of the CBD Global Strategy for Plant Conservation is particularly valued and we will focus our discussions in Wuhan around the themes of this important Strategy. The 2007 Congress provides a global forum for the botanic garden community to share their knowledge, experience, practice and research. We have prepared an exciting scientific program which includes presentations by distinguished speakers, symposia on a wide range of topics, participatory workshops, field excursions and garden visits. In addition, all participants will have the opportunity to visit Wuhan Botanical Garden, which not only has some stunning displays of plants but is a world-class scientific institution. We hope you will enjoy the Garden and the hospitality provided by the City of Wuhan and the Province of Hubei.

We are sure that the Congress, with your participation, will be fruitful, inspiring us all to work for a sustainable future.

Sincerely yours,



Sara Oldfield
Secretary General
Botanic Gardens Conservation International (BGCI)



Hongwen Huang
Professor and Director
Wuhan Botanical Garden (WBG), CAS

On behalf of 3GBGC Executive Organizing Committee

Congress Organization and Hosts

主办和承办单位

Organized by (主办单位)

Botanic Gardens Conservation International (植物园保护国际)

Chinese Academy of Sciences (中国科学院)

Hubei Provincial People's Government (湖北省人民政府)

State Forestry Administration, P.R. China (国家林业局)

Wuhan Municipal People's Government (武汉市人民政府)

Hosted by (承办单位)

Wuhan Botanical Garden, Chinese Academy of Sciences
(中国科学院武汉植物园)

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Zhengyi Wu 吴征镒	Senior Academician, Chinese Academy of Sciences, China 世界著名植物学家、中国科学院资深院士
Peter Raven	Director, Missouri Botanical Garden, USA
Vernon H. Heywood	Emeritus Professor, The University of Reading, UK

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Yuansheng Lei 雷元生	Deputy Director-General, Hubei Provincial State Security Department 湖北省国家安全厅副厅长
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Liming Huang 黄利鸣	Deputy Director-General, Hubei Provincial Health Department 湖北省卫生厅副厅长
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Deputy General Secretaries: 副秘书长	Guoxuan Luo 罗国轩	Deputy Secretary General, Wuhan Municipal Government 武汉市人民政府副秘书长
	Jiansheng Jia 贾建生	Deputy Director, Department of Wildlife Conservation, State Forestry Administration 国家林业局野生动植物保护司副司长
	Rongsheng Zhuo 卓榕生	Director, Department of Wildlife Conservation, State Forestry Administration 国家林业局野生动植物保护司司长
	Zhiqiang Luo 罗志强	Vice President, Wuhan Branch of Chinese Academy of Sciences 中国科学院武汉分院副院长
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	Tianquan Xu 许天全	Deputy Director, Wuhan Botanical Garden, CAS 中国科学院武汉植物园副主任
	Ronghui Su	Division Head, General Office of Life Sciences and

苏荣辉

Biotechnology Bureau of CAS

中国科学院生命科学与生物技术局综合处处长

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	David Galbraith	Executive Director, Canadian Botanical Conservation Network
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	Esteban Hernandez Bermejo	Director, Botanic Garden of Cordoba, Spain
	Brian Huntley	Chief Executive Officer, Southern African National Biodiversity Institute, South Africa
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	Sara Oldfield	Secretary General, BGCI
	Jan Rammeloo	Director, National Botanic Garden of Belgium
	John Sawyer	Secretary, New Zealand Plant Conservation Network
	Stella Simiyu	BGCI Global Strategy for Plant Conservation Officer, CBD Secretariat
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	Hai Ren	Deputy Director, South China Botanical Garden, CAS, China
	任海	中国科学院华南植物园副主任
Secretary:		
秘书	Etelka Leadlay	BGCI, UK

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	Sara Oldfield	Secretary General, BGCI
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	Guoxuan Luo	Deputy Secretary General, Wuhan Municipal Government
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	许天全	中国科学院武汉植物园副主任
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	Anle Tieu	China Programme Coordinator, BGCI
	Bian Tan	South-East Asian Programme Coordinator, BGCI
	Houquan Jiang	Wuhan Botanical Garden, CAS
	蒋厚泉	中国科学院武汉植物园
General Secretaries:	Junjie Gong	Deputy Director, Wuhan Botanical Garden, CAS
秘书长	龚俊杰	中国科学院武汉植物园党委副书记
	Etelka Leadlay	BGCI
Secretariat:	Xuejun Zhang	Wuhan Botanical Garden, CAS
秘书	张学军	中国科学院武汉植物园
	Yin Zhu Tang	Wuhan Botanical Garden, CAS
	汤银珠	中国科学院武汉植物园
	Lina Chen	Wuhan Botanical Garden, CAS
	陈丽娜	中国科学院武汉植物园

In Cooperation with

协办单位

National Natural Science Foundation of China
中国国家自然科学基金委员会

Botanical Society of China
中国植物学会

Chinese Association of Park
中国公园协会

HSBC *Investing in Nature* Programme

Rufford Maurice Laing Foundation

Mitsubishi Corporation

Mitsubishi Corporation Fund for Europe and Africa

Objectives of the Congress

大会宗旨

The main aim of the Congress is to review the contributions of botanic gardens to the Global Strategy for Plant Conservation through the implementation of the 2010 Botanic Garden Targets. The Congress will aim to highlight success stories and identify gaps, providing opportunities for botanic gardens to exchange experiences and learn from each other. By evaluating progress so far, the Congress also aims to provide a framework and guidance for the work of botanic gardens for the period 2007-2010.

第三届世界植物园大会的主要目的是回顾世界各大植物园通过履行《全球植物园2010年目标》以实现《全球植物保护战略》(简称《战略》)的目标所取得的进展。生物多样性对构建可持续发展的未来非常关键,而《战略》的目标就是阻止生物多样性的丧失。大会将确定为实现该《战略》需要进行的工作,并为全球植物园界在2007-2010年的工作提供框架和指导作用。

3GBGC Registration and Meeting Schedule

注册和会议时间简表

Registration-WSTCEC (Wuhan Science & Technology Conference and Exhibition Center) 3rd Floor		
Saturday	April 14	12:00-20:00
Sunday	April 15	8:00-17:00
Monday/Tuesday	April 16/17	8:00-18:00
Thursday	April 19	8:00-12:00
Pre-Congress Workshops-WSTCEC 4th Floor		
Sunday	April 15	10:00-17:00
Network Meetings-WSTCEC 4th Floor		
Sunday	April 15	10:00-17:00
Tuesday	April 17	13:30-14:30
BGCI IAC Meeting-Wuhan Botanical Garden		
Sunday	April 15	10:00-16:00
Welcome Reception-Wuhan Botanical Garden		
Sunday	April 15	17:30-18:00
BGCI and WBG Anniversary Celebration and Reception- Wuhan Botanical Garden		
Sunday	April 15	17:30-20:00
Opening Ceremony		
Monday	April 16	9:20-10:50
Plenary and Parallel Sessions-WSTCEC 4th Floor		
Monday	April 16	11:30-18:00
Tuesday	April 17	9:00-18:00
Thursday	April 19	9:00-18:00
Friday	April 20	9:00-13:00
Poster Sessions-WSTCEC 3rd Floor		
Monday/Tuesday/Thursday	April 16/17/19	14:00-16:00/16:00-18:00
One Day Tour in Wuhan		
Wednesday	April 18	8:30-17:30
Congress Banquet- (Shangrila Hotel)		
Wednesday	April 18	18:00-21:00
World Premiere of <i>Planting the Dunk Botanic Gardens</i> - WSTCEC		
Thursday	April 19	13:00-14:30
Post-Congress Workshops-Wuhan Botanical Garden, CAS		
Saturday	April 21	10:00-17:00

April	SUNDAY 15	MONDAY 16	TUESDAY 17	WEDNESDAY 18	THURSDAY 19	Friday 20
9:00-10:50	REGISTRATION/ NETWORK MEETINGS/ WORKSHOP	OPENING CEREMONY (Auditorium) (9:20-10:50) Chaired by Vice President CAS, Professor CHEN Zhu <ul style="list-style-type: none"> • Welcome from Wuhan City Mayor, LI Xian-sheng • Welcome from Chair, BGCI Board, Baroness Joan WALMSLEY • Welcome from Vice President CAS, Professor LI Jiayang • Welcome from Executive Director (or director), State Forest Administration • Welcome from Secretary General BGCI, Sara OLDFIELD • Welcome from Governor LUO Qing-quan • Welcome from Vice Chair of National Committee of the Chinese People's Political Consultative Conference 	PLENARY SESSION (Auditorium) <ul style="list-style-type: none"> • Plant extinction – threats and solutions <i>Ms Sara OLDFIELD, Secretary General, BGCI, UK</i> • Conservation in a changing world: responding to the challenge of climate change <i>Dr David BRAMWELL, Director, Jardín Botánico 'Viera y Clavijo' Las Palmas, Spain</i> • Using plant diversity sustainably – 3R model for research and development in botanical gardens <i>Professor HUANG Hongwen, Director, Wuhan Botanical Garden, China</i> 	ONE DAY TOUR IN WUHAN Visit to Hubei Provincial Museum, Yellow Crane Tower, Wuhan Botanical Garden, CAS, East Lake	PLENARY SESSION (Auditorium) <ul style="list-style-type: none"> • From a National Plant Checklist to Chinese Virtual Herbarium <i>Professor MA Keping, Institute of Botany, CAS China</i> • Conserving plant diversity on old and young landscapes - rethinking theory <i>Professor Stephen HOPPER, Director, Royal Botanic Gardens, Kew, UK</i> • The seeds of change project <i>Ms Peggy OLWELL, Bureau of Land Management, USA</i> 	PLENARY SESSION (Auditorium) <ul style="list-style-type: none"> • Botanic gardens as introduction centres for plants of economic importance <i>Professor Emeritus Vernon HEYWOOD, School of Biological Sciences, Plant Science Laboratories, University of Reading, UK</i> • Plant conservation in Malaysia – meeting the challenges of the twenty-first century <i>Dr. SAW Leng Guan, Tropical Forest Biodiversity Centre, Forest Research Institute Malaysia</i> • Botanic Gardens: Gateways to the Future <i>Professor Stephen BLACKMORE, Regius Keeper, Royal Botanic Garden Edinburgh, UK</i>
10:50-11:30	BREAK(3F)					
11:30-13:00	REGISTRATION/ NETWORK MEETINGS/ WORKSHOP	PLENARY SESSION (Auditorium) <ul style="list-style-type: none"> • Toward a World Plant Data Base <i>Professor Peter RAVEN, Missouri Botanical Garden, USA</i> • A brief introduction to China's Strategy for Plant Conservation <i>Dr JIA Jiansheng, State Forestry Administration, China</i> • CITES and its potential to guarantee sustainable trade in wild plants <i>Mr. Willem WIJNSTEKERS, Secretary General, CITES Secretariat, Switzerland</i> 	PARALLEL SESSION III A How botanic gardens change the world: shaping policy (R2) B Botanic gardens promoting the integration of ex situ and in situ conservation (R3) B Botanic gardens and invasive species risk assessments of their collections and management practices (R4) C Local plants for local needs (R5) D Learning from Landscapes: Communication through Collections (R1) D Global research on plant-based education (R6)	ONE DAY TOUR IN WUHAN	PARALLEL SESSION VI A Plants on the edge: assessment of the conservation status of the national floras (R2) A What else do we need to know? Priorities for conservation research (R5) B Habitat restoration and reclamation (R3) B Establishing new gardens: meeting the conservation challenge (R4) C Implementation of CITES: the botanic garden contribution (R1) D Ecotourism and botanic gardens (R6)	CONCLUSIONS AND CLOSE

13:00-14:30		LUNCH & POSTER SESSION (3F)			
14:30-16:00	REGISTRATION/ NETWORK MEETINGS/ WORKSHOP	PARALLEL SESSION I	PARALLEL SESSION IV	ONE DAY TOUR IN WUHAN	PARALLEL SESSION VII
		A The GSPC and botanic gardens working at the National Level (R2) B Networking for conservation (R3) B Seed science for conservation: the Millennium Seed Bank (R4) C Conservation and sustainable use of medicinal plants(R5) D Involving and engaging students for sustainability(R6) POSTER SESSION-THEME A (3F) P001-P027	A Living plant collections: planning for conservation: Session 1 (R2) A Benefits of the International Agenda (R4) B Responding to the challenge of climate change: Session 1 (R3) C Selling your garden to your local community: marketing and funding (R5) D GSPC Target 14: meeting the challenge (R6) POSTER SESSION-THEME C (3F) P095-P127		A Solanaceae and economically important plants (R2) B The Global Trees Campaign: Session 1 (R3) B Making gardens relevant to the local community (R4) C Linking biodiversity and well-being (R5) D Science, schools and systematics (R6) POSTER SESSION-THEME B (3F) P064-P094
16:00-16:30		BREAK & POSTER SESSION (3F)			
16:30-18:00	REGISTRATION/ NETWORK MEETINGS/ WORKSHOP	PARALLEL SESSION II	PARALLEL SESSION V	ONE DAY TOUR IN WUHAN	PARALLEL SESSION VIII
		A Taxonomy for conservation (R2) B Managing living collections for conservation: IT tools workshop (R3) B Reintroduction: securing wild populations (R4) C Access, benefit-sharing, and botanic gardens: how do we share and how do we show it?(R5) D Bringing plants to life through interpretation (R6) POSTER SESSION-THEME B (3F) P028-P063	A Living plant collections: management and design: Session 2 (R2) B Responding to the challenge of climate change: Session 2 (R3) B Conserving local flora (R4) C Realising the potential of native flora: role of Botanic Gardens in commercial plant development (R5) D Knowing your visitors - responding to needs (R6) POSTER SESSION- THEME D (3F) P128-P140		A Effective training to meet the conservation challenge (R2) B The Global Trees Campaign: Session 2 (R3) B Horticulture for conservation (R4) C Walking the talk: creating a sustainable site (R5) D Community Empowerment for Sustainability (R6)
18:00-21:00	RECEPTION / ANNIVERSARY			CONGRESS BANQUET	

KEY Themes: **A: UNDERSTANDING AND DOCUMENTING PLANT DIVERSITY**
B: CONSERVING PLANT DIVERSITY

C: USING PLANT DIVERSITY SUSTAINABLY
D: PROMOTING EDUCATION AND AWARENESS ABOUT PLANT DIVERSITY

Venue: Wuhan Science and

Venue: Technology Conference and Exhibition Center 3rd Floor and 4th Floor R1-R6: Meeting Room 1-6 3F: 3rd Floor

4 月	周日 15	周一 16	周二 17	周三 18	周四 19	周五 20
9:00-10:50	注册/ 区域网络会议/ 专题讲座/	大会开幕式 (4 楼主会场) (9:20-10:50) 主持人: 中国科学院副院长 陈竺 • 武汉市市长李宪生致辞 • 国际植物园保护联盟理事会主席 Joan Walmsley 男爵夫人致辞 • 中国科学院副院长李家洋致辞 • 中国国家林业局局长致辞 • 国际植物园保护联盟秘书长 Sara Oldfield 致辞 • 湖北省省长罗清泉致辞 • 中国政协副主席致辞	全会报告 (4 楼主会场) • 植物灭绝—威胁因素和解决途径 <i>Sara OLDFIELD 女士, 国际植物园保护联盟, 秘书长, 英国</i> • 在变化的世界中保护植物: 如何应对全球气候的变化 <i>David BRAMWELL 博士, 西班牙帕姆斯植物园主任, 西班牙国家植物园协会主席</i> • 可持续地利用植物多样性—植物园研发的 3R 模式 <i>黄宏文 教授, 武汉植物园主任</i>	武汉一日游 参观湖北省博物馆—黄鹤楼—武汉植物园 (东湖)	全会报告 (4 楼主会场) • 从国家植物的名录到中国虚拟标本馆 <i>马克平教授, 中国科学院植物研究所所长</i> • 在新老景观中保存植物多样性—理论上的深化 <i>Stephen HOPPER 教授, 英国皇家植物园邱园主任</i> • 交换项目的种子 <i>Peggy OLWELL 女士, 美国土地管理局</i>	全会报告 (4 楼主会场) • 植物园是重要经济植物的引种和驯化中心 <i>Vernon HEYWOOD 教授, 英国 Reading 大学生物学院植物学实验室</i> • 马来西亚的植物保护—面对 21 世纪的挑战 <i>SAW Leng Guan 博士, 马来西亚林科院热带林木多样性中心</i> • 植物园: 通向未来的大门 <i>Stephen BLACKMORE 教授, 英国皇家植物园—爱丁堡园 钦定主任</i>
10:50-11:30	BREAK (3F) 茶歇 (3 楼)					
11:30-13:00	注册/ 区域网络会议/ 专题讲座/	全会报告 (4 楼主会场) • 建立一个全球的植物数据库 <i>Peter Raven 教授, 美国密苏里植物园主任</i> • 中国植物保护策略 <i>国家林业局, 贾建生 博士</i> • 国际濒危野生动植物贸易公约及其在保障可持续的野生植物贸易方面的潜力 <i>Willem WIJNSTEKERS 先生, 国际濒危野生动植物贸易公约秘书处 秘书长, 瑞士</i>	分会 III A 植物园如何改变世界: 影响政策的制定 (R2) B 植物园促进就地和迁地综合保护 (R3) C 植物园专类资源圃中的入侵植物风险评估和管理实践 (R4) D 本土植物满足本土需求 (R5) E 园林景观设计的启示: 通过收集的植物进行科普及公众交流 (R1) D 植物基础教育的全球研究 (R6)	武汉一日游	分会 VI A 植物濒危: 国家植物保护状态的评估 (R2) A 我们目前需要知道什么? 确定植物保护研究的优先领域 (R5) B 植物原生境的恢复和重建 (R3) B 新植物园的建设: 如何应对植物保护的挑战 (R4) C 国际濒危野生动植物贸易公约的实施: 植物园的作用 (R1) D 生态旅游和植物园 (R6)	闭幕式

13:00-14:30 LUNCH & POSTER SESSION (3F) 午餐和墙报 (3楼)

14:30-16:00 注册/ 区域网络会议/ 专题讲座/	分会 I	分会 IV	武汉一日游	分会 VII
	<p>A 全球植物保护战略及各国植物园在国家层面的行动 (R2)</p> <p>B 植物保护的体系 (R3)</p> <p>B 植物保护的种子学: 千年种子库 (R4)</p> <p>C 药用植物的保育和可持续利用 (R5)</p> <p>D 通过学生教育促进可持续发展 (R6)</p> <p>墙报展览—专题 A (3楼) P001—P027</p>	<p>A 活体植物收集圃(一): 保育计划 (R2)</p> <p>A 植物园保护国际议程的成效 (R4)</p> <p>B 应对全球气候变化的挑战(一) (R3)</p> <p>C 让当地社区了解你的植物园: 营销和经费筹措 (R5)</p> <p>D 全球植物保护战略目标 14: 应对挑战 (R6)</p> <p>墙报展览—专题 C (3F) P095—P127</p>		<p>A 茄科及其他重要经济作物 (R2)</p> <p>B 全球植树运动(一) (R3)</p> <p>B 植物园与当地社区的联动 (R4)</p> <p>C 植物多样性和人类健康的联系 (R5)</p> <p>D 科学、学校和分类学 (R6)</p> <p>墙报展览—专题 B (3楼) P064—P094</p>

16:00-16:30 BREAK & POSTER SESSION (3F) (茶歇和墙报—3楼)

16:30-18:00 注册/ 区域网络会议/ 专题讲座/	分会 II	分会 V	武汉一日游	分会 VIII
	<p>A 分类学在植物保护中的作用 (R2)</p> <p>B 活体资源圃管理及信息系统 (R3)</p> <p>B 回归引种: 保护野生居群 (R4)</p> <p>C 植物园的引种资源的开放和惠益共享: 如何资源共享和展示? (R5)</p> <p>D 生动的植物解说 (R6)</p> <p>墙报展览—专题 B (3楼) P028—P063</p>	<p>A 活体植物收集圃(二): 管理和设计 (R2)</p> <p>B 应对全球气候变化的挑战(二) (R3)</p> <p>B 保护本地植物 (R4)</p> <p>C 认识本土植物的潜力: 植物园在经济植物开发方面的作用 (R5)</p> <p>D 了解并满足游客的需求 (R6)</p> <p>墙报展览—专题 D (3楼) P128—P140</p>		<p>A 为植物保护提供有效的教育 (R2)</p> <p>B 全球植树(二) (R3)</p> <p>B 园艺和保育 (R4)</p> <p>C 边做边学: 创建可持续的环境 (R5)</p> <p>D 社区对可持续性的作用 (R6)</p>

18:00-21:00 欢迎联谊会 WBG 和 BGCI 联合周年 庆			大会晚宴	
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分会专题: **A:** 植物多样性调查及编目 **C:** 植物多样性的可持续利用
B: 保护植物多样性 **D:** 植物多样性的科普及公众教育

会场: 武汉科技会展中心 3楼和 4楼 分会会议室: 4楼 1-6 会议室

Scientific Programme

大会议程安排

Saturday - April 14, 2007

Saturday

12:00-20:00

REGISTRATION (注册 - 武汉科技会展中心 3 楼)

Wuhan Science and Technology Conference and Exhibition Center (WSTCEC): 3rd Floor

Sunday - April 15, 2007

Sunday

08:00-17:00

REGISTRATION (WSTCEC 3rd Floor) (注册 - 武汉科技会展中心 3 楼)

09:00-17:00

NETWORK MEETINGS AND WORKSHOPS (WSTCEC 4th Floor)

区域网络会议 - 武汉科技会展中心 4 楼

09:00-17:00

NETWORK MEETINGS (WSTCEC 4th Floor)

区域网络会议 - 武汉科技会展中心 4 楼

10:00-13:00

East Asian Botanic Garden Network (EABGN) (Meeting Room 6)

东亚植物园网络会 - 6 号会议室

Moderators:

Anle Tieu, China Programme Coordinator, BGCI E-mail: anle.tieu@bgci.org

Junko Oikawa, Japan Programme Co-ordinator, BGCI. E-mail: Junko.Oikawa@bgci.org

Yong-Shik Kim, Yeungnam University, Korea. E-mail: yongshik@ynu.ac.kr

Xia Bing, Nanjing Botanic Garden Mem. Sun Yat-Sen, China. E-mail:

xiabingnbg@sina.com

13:00-17:00

Asia Pacific Botanic Gardens Network Meeting (Meeting Room 5)

太平洋亚洲地区植物园网络会 - 5 号会议室

Moderators:

Anle Tieu, China Programme Coordinator, BGCI E-mail: anle.tieu@bgci.org

Bian Tan, South-East Asian Programme Coordinator, BGCI E-mail: Bian.Tan@bgci.org

Junko Oikawa, Japan Programme Co-ordinator, BGCI. E-mail: Junko.Oikawa@bgci.org

Philip Moors (Director and Chief Executive, Royal Botanic Gardens Melbourne, Australia.

E-mail: Philip.Moors@rbg.vic.gov.au

10:00-17:00

Pre-congress Workshops (WSTCEC 4th Floor)

会前专题讲座 - 武汉科技会展中心 4 楼

Sunday
10:00-17:00

PREW1 Efficient seed preservation (Meeting Room 1)
高效的种子保存技术 - 1 号会议室

Organizer: Professor César Gómez-Campo, Escuela T. S. Ing. Agrónomos, Universidad Politécnica de Madrid, Spain

This one-day workshop is for people who manage a seed bank in a botanic garden, plan to set one up or are directly involved in the long-term preservation of seeds of wild species. César Gómez-Campo, who developed and managed the Seed Bank of the Politechnic University in Madrid, Spain has offered to give this workshop. The seed bank is now 40 years old and the germination rates of its oldest accessions remain very close to 100%. This will be a practical demonstration to show that keeping orthodox seeds alive for long periods - expectedly several centuries - is not only possible but also easy and - contrary to belief - not expensive.

Professor Gómez-Campo and his staff will share their knowledge and experience with other established or prospective seed banks.

10:00-17:00

PREW2 Translocation of threatened plants (Meeting Room 2)
受胁植物的移植 - 2 号会议室

Organizer: Phillip Ainsley, Scientific Services, Botanic Gardens of Adelaide, South Australia

Botanic gardens and seed banks are becoming ever more successful in storing or cultivating samples of wild plant diversity but without the end result, namely secure wild populations as a result of recovery management or translocation, they will not have achieved their full potential. Translocation is a high-risk exercise that requires commitment to careful management, detailed preparation and long-term monitoring. This workshop will provide guidelines to improve translocation success. As habitat destruction proceeds and an increasing number of species face extinction or have their genetic diversity critically reduced, reintroduction and restoration will be needed as a conservation tool.

The workshop will be based on the second edition of the excellent Australian Network for Plant Conservation (ANPC) Guidelines for the Translocation of Threatened Plants in Australia published in 2004.

10:00-17:00

PREW3 Education for sustainable development a step-by-step process for botanic garden educators (Meeting Room 3)
可持续发展的教育：一个循序渐进的过程 - 3 号会议室

Organizers: Julia Willison, Head of Education, BGCI; Sarah Kneebone, Education Officer, BGCI; Bian Tan, Southeast Asia Programme Coordinator, BGCI

Traditional approaches to environmental education, and botanic garden education, are being strengthened today with topics including sustainability, systems thinking, cultural awareness, and poverty alleviation. This new approach is best known as “education for sustainable development” (ESD). Acknowledging this trend, the United Nations has declared 2005 to 2014 the “Decade of Education for Sustainable Development.” As leaders within the environmental education field, botanic gardens are important centres for ESD. During this workshop participants will be taken through a step-by-step process for

creating programmes with a focus on ESD. Through presentations, discussion, hands-on activities, and break-out groups, BGCI's education team will introduce the history and framework of ESD, help participants create ideas for ESD programmes, and highlight ESD case studies from botanic gardens worldwide. Methods for teaching ESD including the Coffee Chain Game role play and activities to explore future alternatives for plants and the planet will also be introduced. Participants will leave the workshop having learned the tools necessary for making ESD a cornerstone of their practice.

Sunday

10:00-13:00

PREW4 Plant records for the management of *ex situ* living collections (Meeting Room 4) 迁地活体植物的保存和记录管理 - 4 号会议室

Organizer: Diane Wyse Jackson, Head of Computer Systems, BGCI

A sound plant record system is fundamental to a botanic garden. Only a well-documented living plant collection can be used for scientific research, conservation and education. Record keeping is the way to consolidate and accumulate relevant information for future use.

After a formal power point presentation on the best practice for keeping plant records, BG-Recorder will be demonstrated. BG-Recorder is a database management software system for plant records developed by BGCI which is provided free to BGCI members. BG-Recorder is a working template which can be edited or new fields inserted. Anyone with intermediate skills in Microsoft Access can easily manipulate the programme to develop a bespoke database for their own garden needs.

The importance of botanic garden plant records for conservation at the global level will be highlighted and the workshop presenter will be available during the Congress for personal data clinics.

14:00-17:00

PREW5 New internet communication tools (Meeting Room 4)

新的互联网沟通工具：让你的工作如虎添翼 - 4 号会议室

Organizer: Vera Poon, Kadoorie Farm and Botanic Garden Corporation, Hong Kong, China

This is an era of sometimes bewildering technological change. The internet, in a very short time, has completely changed working methods, and it is full of new ideas and tools for communication.

The best innovations could radically improve conservation work and create stronger links between conservation workers who are geographically separated. Yet many people still do not have fast, reliable internet access, and those who do often struggle to keep up with the changes.

This practical, hands-on workshop will explore some of the best new options emerging. It will show how communication can be easier and faster with improved access to essential information. The best free tools available will be explored to help in using new technology and solving problems such as cost, intermittent access and language barriers.

14:00-17:00

PREW6 Red listing: why is it important (Meeting Room 6)

《红色清单》：为什么它如此重要？ - 6 号会议室

Organizer: George Schatz, Missouri Botanical Garden, USA

If the current and continuing loss of plant diversity is to be halted, the threats to plant diversity and the identification of plant species, plant communities and associated habitats and ecosystems at risk need to be monitored.

The use of Red Listing for classifying species at risk of extinction helps focus attention on those taxa at the highest risk and set priorities for conservation measures for their protection. This workshop will help explain the IUCN Red List Categories and Criteria and how they are used for conservation.

17.30-18:00 **Reception Cocktail** (Wuhan Botanical Garden, CAS)
欢迎联谊会 - 武汉植物园

18:00-20:00 **WBG & BGCI Anniversary Celebration Ceremony and Congress Reception (Dinner included)** (Wuhan Botanical Garden, CAS)
武汉植物园和植物园保护国际联合周年庆 (含冷餐联谊会) - 武汉植物园

Monday - April 16, 2007

Monday **REGISTRATION** (WSTCEC:3rd Floor)
08:00-18:00 注册 - 科技会展中心 3 楼

9.20-10:50 **OPENING CEREMONY** (WSTCEC 4th Floor Auditorium)
开幕式 - 会展中心 4 楼主会场

Chaired by Professor CHEN Zhu, Vice President CAS, China

主持人：中国科学院副院长 陈竺

• Welcome from Wuhan City Mayor, LI Xian-sheng

武汉市市长李宪生致辞

• Welcome from Chair, BGCI Board, Baroness Joan Walmsley

国际植物园保护联盟理事会主席 Joan Walmsley 男爵夫人致辞

• Welcome from Vice President CAS, Professor LI Jiayang

中国科学院副院长李家洋致辞

• Welcome from Executive Director (or director), State Forest Administration

中国国家林业局局长致辞

• Welcome from Secretary General BGCI, Sara Oldfield

国际植物园保护联盟秘书长 Sara Oldfield 致辞

• Welcome from Governor LUO Qing-quan

湖北省省长罗清泉致辞

• Welcome from Vice Chair of National Committee of the Chinese People's Political Consultative Conference

中国政协副主席致辞

Monday
10:50-11:30

BREAK (WSTCEC 3rd Floor & 4th Floor) 茶歇 (3楼和4楼)

11:30-13:00

PLENARY SESSION (4th Floor Auditorium)

全会报告

11:30-12:00

- **Toward a World Plant Data Base**
(建立一个全球的植物数据库)

Peter H. RAVEN

*President Missouri Botanical Garden, .PO. Box 299, St. Louis, MO 63166-0299, USA and
George Engelmann Professor of Botany at Washington University in St. Louis,, Missouri,
USA*



Modern information technology has given us the ability to collect, edit, and make available all of the information on plants that has been gathered through the years. A taxonomic framework for all plants can be constructed and agreed, with the data involved in its construction preserved in the system and subject to review for any purpose. Firm editorial arrangements will need to be established to improve the taxonomic framework continuously, with references to the reasons for the arrangements selected. All specimens, illustrations, annotations, and literature references can be made accessible within the system. As many specimens as desired can be imaged and these images made available on the Web. Rapid gains are being made in all of these areas and will be reviewed, with an emphasis on what is being done, and what it would be most useful to undertake for the future. Efforts to develop this valuable, comprehensive system are accelerating, and this meeting should afford an excellent opportunity to discuss next steps. For conservation purposes, as for any other uses to which information about plants might be put, the construction of a world plant data base clearly has fundamental importance.

Presenter Biography: Professor. Peter H. Raven is President of the Missouri Botanical Garden and George Engelmann Professor of Botany at Washington University in St. Louis, positions that he has held for nearly 36 years. He is a member of the Board of Directors of Botanic Gardens Conservation International and chairs its International Advisory Committee. Professor Raven devoted many years to the comprehensive study of the plant family Onagraceae, which is now better known than any plant family of comparable size. For 40 years he has been an outspoken spokesperson for the conservation of biodiversity and the implementation of sustainability around the world. The Missouri Botanical Garden, one of the largest botanical institutions globally, is particularly active in Central America, the Northern Andes, Madagascar, China, and Vietnam. For his work, he has received numerous awards, honorary degrees, and other forms of recognition around the world, including the International Prize for Biology and the Cosmos Prize in Japan, the Volvo Environment Prize, and the National Medal for Science (U.S.). He is a member of the Academies of Science of China, India, Russia, Brazil, the United States, and a number of additional countries, and of the Pontifical Academy of Sciences.

Monday
12:00-12:30

- **A brief introduction to China's Strategy for Plant Conservation**
(中国植物保护策略)

Dr. JIA Jiansheng (贾建生 博士)

Deputy Director-General, Department of Wildlife Conservation, State Forestry Administration, 18 Hepingli Dongjie, Beijing 100714 P. R. China



For conserving plant diversity and implementing the *Convention on Biological Diversity*, the relevant agencies of the Chinese government have prepared the text of *China's Strategy for Plant Conservation* based on the 16 targets of the *Global Strategy for Plant Conservation*. The presentation will give a brief introduction to *China's Strategy for Plant Conservation* including the aims and objectives, background and also the 16 targets in China. Each target has three aspects; the current status of plant conservation, problems and constraints that are faced, and the actions necessary in the near future. The implementation of *China's Strategy for Plant Conservation* will further strengthen the conservation of China's plant diversity and make a great contribution to the implementation of the *Global Strategy for Plant Conservation*.

Presenter Biography: JIA Jiansheng, one of the GSPC Focal Points for China, is now working as the *Deputy Director-General* of the Department of Wildlife Conservation, State Forestry Administration, P. R. China. Graduated from Beijing Forestry University and trained at the Swedish Agriculture University and Royal Botanic Garden, Kew, UK, he worked in the CITES Management Authority of China for seven years, and is still working in the Department of Wildlife Conservation, so he has a good education background and rich experiences in the field of plant conservation. Professor JIA is a member of the Plant Society of China, the Forestry Society of China, a Member of the Standing Committee of the Chinese Orchids Society and a Member of the Standing Committee of the China Wildplant Conservation Association. He has traveled widely and attended many different kinds of meeting and workshops both in China and many other countries in the course of plant conservation.

12:30-13:00

- **CITES and its potential to guarantee sustainable trade in wild plants**
(国际濒危野生动植物贸易公约及其在保障野生植物可持续贸易的潜力)

Willem WIJNSTEKERS

CITES Secretary-General, CITES Secretariat, International Environment House, Chemin des Anémones, CH-1219 Châtelaine, Geneva, Switzerland



This talk will be about CITES, its role in the international plant trade, and more specifically the timber trade. CITES has the potential to be a guarantee for sustainability – it is already for a limited number of species – and given the necessary resources, CITES can be the ultimate certification system for sustainably and legally traded wildlife. CITES finds itself in a very important phase of its existence and the meeting of the Conference of the Parties in June will be crucial for the role it will play in the years to come.

Presenter Biography: Willem Wijnstekers has been Secretary-General of the Convention on International Trade in Endangered Species of

Wild Fauna and Flora (CITES) based in Geneva, Switzerland since 1999. Earlier, in the 80s and 90s, Mr. Wijnstekers was responsible for European Community CITES legislation, implementation and enforcement in the Commission of the European Community, chairman of the EU CITES Committee and Scientific Committee from 1993-1999 and drafted and negotiated in Council and European Parliament currently applicable EU legislation on wildlife trade.

Willem Wijnstekers is from The Netherlands and is author of ‘The Evolution of CITES 1985-2002, a reference to CITES’ (6th edition).

Monday

13:00-14:30 LUNCH (3rd Floor) 午餐 - 武汉科技会展中心 3 楼

14:30-16:00 PARALLEL SESSION I (4th Floor)
分会 I - 武汉科技会展中心 4 楼分会场

14:30-16:00 THEME A: UNDERSTANDING AND DOCUMENTING PLANT DIVERSITY
专题 A: 植物多样性调查及编目

14:00-16:00 POSTER SESSION-THEME A: UNDERSTANDING AND DOCUMENTING PLANT DIVERSITY (3rd Floor)
墙报展示 - 专题 A: 植物多样性调查及编目

14:30-16:00 Symposium: The GSPC and botanic gardens working at the National Level (Meeting Room 2)
全球植物保护战略及各国植物园在国家层面的行动 (2 号会议室)

Moderator: Peter Wyse Jackson, National Botanic Gardens of Ireland, Ireland

- The Global Strategy for Plant Conservation and botanic gardens
Stella Simiyu (BGCI/CBD Secretariat, Kenya)
- Brazilian botanic gardens and the Global Strategy for Plant Conservation
Maria Lúcia Nova da Costa, Rio de Janeiro Botanic Garden, Brazil
- The GSPC implementation in Spain: first steps towards a National Plant Conservation Strategy in Spain
Esteban Hernández Bermejo, IMGEMA-Jardín Botánico de Córdoba, Spain
- The network of Conservatoires Botaniques Nationaux in France and the implementation of the GSPC
Philippe Bardin, Conservatoire Botanique du Bassin Parisien, France
- The present condition of plant conservation by Japanese botanical gardens and their provisions for the 2010 Target
Mitsuo Suzuki, Botanical Gardens, Tohoku University, Japan

14:30-16:00 THEME B: CONSERVING PLANT DIVERSITY
专题 B: 保护植物多样性
Symposium: Networking for conservation (Meeting Room 3)
植物保护的网路体系 (2 号会议室)

Moderator: Michael Kiehn, University of Vienna, Austria

- The North America Botanical Garden Strategy for Plant Conservation

- Steven Clemants, Brooklyn Botanical Garden, USA
- The conservation of threatened tropical plants in France: the example of the French network Conservatoires Botaniques Nationaux
Stéphane Buord, Brest Botanical Conservatoire, France
- Problems of scientific coordination in the development of the system of Russian botanical gardens
Lyudmila Dorofeyeva, Botanical Garden RAS Ural Div, Russia
- Introduction to the East Asia Botanic Gardens Network(EABGN)
Yong –Shik Kim, Yeungnam University, Korea
- The Austrian Botanic Gardens Working Group
Michael Kiehn, University of Vienna, Austria
- South East Asia Botanic Gardens (SEABG)
Bian Tan, BGCI, Singapore

Monday
14:30-16:00

Symposium: Seed science for conservation: the Millennium Seed Bank (MSB)
(Meeting Room 4)

植物保护的种子学：千年种子库（4号会议室）

Moderator: Paul Smith, Royal Botanic Gardens, Kew, UK

- The MSB Project: Progress towards the GSPC Target 8 worldwide
Paul Smith, Royal Botanic Gardens, Kew, UK
- The European Native Seed Conservation Network – progress towards target 8 of the GSPC
Jonas Müller, Royal Botanic Gardens, Kew, UK
- Germplasm banking as an ex situ conservation strategy
De Zhu Li, Kunming Institute of Botany, China
- Conservation of recalcitrant-seeded species
Sarah Ashmore, Griffith University, Australia

14:30-16:00

THEME C: USING PLANT DIVERSITY SUSTAINABLY

专题 C: 植物多样性的可持续利用

Symposium: Conservation and sustainable use of medicinal plants (Meeting Room 5)
药用植物的保育和可持续利用（5号会议室）

Moderator: Sara Oldfield, BGCI, UK

- Prioritizing action to save medicinal plants
Belinda Hawkins, BGCI, UK
- Medicinal plant conservation and sustainable use: Questions about an important global resource
Danna Leaman, IUCN-SSC Medicinal Plant Specialist Group, Canada
- Role and status of the botanical garden in the process of domestication of medicinal plants
Zimian Ding, Institute of Medicinal Plant Development (IMPLAD), China
- Involving communities in medicinal plant conservation
George Owusu-Afriyie, Aburi Botanic Gardens, Ghana
- Medicinal plant conservation in the Himalayas: lessons from the field
Alan Hamilton, Plantlife International, UK

THEME D: PROMOTING EDUCATION AND AWARENESS ABOUT PLANT

- 14:30-16:00 DIVERSITY**
 专题 D: 植物多样性的科普及公众教育
- 14:30-16:00 Symposium: Involving and engaging students for sustainability** (Meeting Room 6)
 通过学生教育促进可持续发展 (6 号会议室)
- Moderators: Li Mei, Nanjing Botanic Garden Mem. Sun Yat-Sen, China
- Community change with the Fairchild Challenge
 Caroline Lewis, Fairchild Tropical Botanic Garden, USA
 - Schools' education in Prague Botanic Garden
 Oldřich Vacek, Prague Botanic Garden, Czech Republic
 - The role of Maseno University Botanic Garden in education and plant conservation
 John C. Onyango, University Botanic Garden, Maseno University, Kenya
 - Ensuring the sustainability of environmental education programmes; contributing to the *Global Strategy for Plant Conservation*
 Erick Mokoae Moletsane, Free State National Botanic Garden, South Africa
- 16:00-16:30 BREAK** (3rd Floor & 4th Floor) 茶歇 (3 楼和 4 楼)
- Monday**
- 16:30-18:00 PARALLEL SESSION II (4th Floor) 分会 II (4 楼分会会议室)**
- THEME A: UNDERSTANDING AND DOCUMENTING PLANT DIVERSITY**
 专题 A: 植物多样性调查及编目
- 16:30-18:00 Symposium: Taxonomy for conservation** (Meeting Room 2)
 分类学在植物保护中的作用 (2 号会议室)
- Moderator: Keping Ma, Institute of Botany, CAS, China
- Target 1 of the GSPC: progress and prospects
 Alan Paton, Royal Botanic Gardens, Kew, UK
 - Ghanaian needs assessment: criteria and findings
 Alfred Oteng-Yeboah, Council for Scientific and Industrial Research, Accra, Ghana
 - The endemic flora of Greece
 Kit Tan, Institute of Biology, University of Copenhagen, Denmark
 - Assessment of the regional flora in southern China and neighbouring countries
 Dianxiang Zhang, South China Botanic Garden, China
 - Review of the Chinese local and national Floras
 Jinshuang Ma, Brooklyn Botanic Garden, USA
- THEME B: CONSERVING PLANT DIVERSITY**
 专题 B: 保护植物多样性
- 16:00-18:00 POSTER SESSION-THEME B: CONSERVING PLANT DIVERSITY (3rd Floor)**
 墙报展览 - 专题 B: 保护植物多样性
- 16:30-18:00 Symposium: Managing living collections for conservation: IT tools workshop**
 (Meeting Room 3)
 活体资源圃管理及信息系统 (3 号会议室)

Moderators: Diane Wyse Jackson, BGCI, UK

Peter Wyse Jackson, National Botanic Gardens of Ireland, Ireland

- BGCI's global living collections
Diane Wyse Jackson, BGCI, UK
- Implementing a plant record system for Brazilian botanic gardens
Maria Lúcia Nova da Costa, Brazilian Botanic Gardens Network, Brazil
- Atlantis-BG a standard for comprehensive, web-based collection management.
Hans Persoon, University Botanical Gardens, Utrecht, The Netherlands
- Plant Collections TM: linking national and international living plant databases
Pamela Allenstein, American Public Gardens Association, USA
- BG-BASE collections management software
Mike O'Neal, BG-BASE, Inc, USA
- The use of barcoding beyond the supermarket
David Aplin, National Botanic Garden of Belgium, Belgium
- Management system of living collections information and planting maps for Nanjing Botanic Garden Mem. Sun Yat-Sen
Yinghui Chen, Nanjing Botanic Garden Mem. Sun Yat-Sen, China
- From ecosystems to genes - the joy and power of database integration
Kerry Walter, BG-BASE (UK) Ltd, UK

Symposium: Reintroduction: securing wild populations (Meeting Room 4)

回归引种：保护野生居群（4号会议室）

16:30-18:00

Moderators: Mary Gibby, Royal Botanic Garden Edinburgh, UK

Sara Oldfield, BGCI, UK

- SANBI - threatened plants programmes and the plight of Ghaap Hoodia gordonii (Masson) Sweet ex Decne. in the wild
Ian Oliver, Karoo Desert National Botanical Garden, South Africa
- Restoration protocols for Fynbos species
Carly Cowell, South African National Biodiversity Institute (SANBI), South Africa
- Practical conservation outcomes from population genetic studies: examples from the Australian flora.
Siegry Krauss, Kings Park and Botanic Garden, Perth, Australia
- Reintroduction of *Impatiens gordonii* in the Seychelles and the evaluation of the project
James Mougall, Seychelles National Botanical Garden, Seychelles

THEME C: USING PLANT DIVERSITY SUSTAINABLY

专题 C: 植物多样性的可持续利用

Monday

Symposium: Access, benefit-sharing, and botanic gardens: how do we share and how do we show it? (Meeting Room 5)

16:30-18:00

植物园的引种资源的开放和惠益共享：如何资源共享和展示？（5号会议室）

Moderators: Natasha Ali, Royal Botanic Gardens, Kew, UK

Kate Davis, c/o Royal Botanic Gardens Kew, UK

- Access and benefit-sharing negotiations: an update for botanic gardens
Kate Davis, c/o Royal Botanic Gardens Kew, UK
- The International Plant Exchange Network (IPEN): a response to the CBD
Bert van den Wollenberg, Botanic Garden Delft University of Technology, The

Netherlands

- A Benefit Sharing Agreement for the commercialization of Chilean plants in the UK
David Rae, Royal Botanic Garden Edinburgh, UK
- The inefficiency of the Andean decision on access to genetic resources and benefit sharing
Alberto Gómez Mejía, Quindío Botanic Garden, Colombia

THEME D: PROMOTING EDUCATION AND AWARENESS ABOUT PLANT DIVERSITY

专题 D: 植物多样性的科普及公众教育

Symposium: Bringing plants to life through interpretation (Meeting Room 6)

生动的植物解说 (6号会议室)

16:30-18:00

Moderator: Maria Luisa Cohen, Assisi Nature Council, Switzerland

- Conveying the conservation message in a more interactive way
Li Mei, Nanjing Botanic Garden Mem. Sun Yat-Sen, China
- What's new in a deciduous oak forest? The 'Path of Plant Biodiversity' in the Balkan Botanic Garden
Eleni Maloupa, Balkan Botanic Garden, Greece
- World Heritage links for botanic gardens - a case study
Robert Smith, Mount Tomah Botanic Garden, Australia
- Theme gardens and interpretation in a South African NBG context
Berenice Carolus, Harold Porter National Botanic Garden, South African National Biodiversity Institute, South Africa

Tuesday - April 17, 2007

Tuesday

08:00-18:00

REGISTRATION (WSTCEC:3rd Floor)

注册 (武汉科技会展中心 3楼)

9:00-10:50

PLENARY SESSION (4th Floor Auditorium)

全会报告 (4楼主会场)

9:00-9:30

- **Plant extinction – threats and solutions**

(植物灭绝 - 威胁因素和解决途径)

Sara OLDFIELD

Secretary General BGCI, Descanso House, 199 Kew Road, Richmond, Surrey TW9 3BW, UK

This paper will provide an overview of the current plant extinction crisis, highlighting what is currently known about threatened plants worldwide, the threats faced by plant species and the effectiveness of measures to save them. The Millennium Ecosystem Assessment will be used to provide context. The role of international policy mechanisms in plant conservation will be discussed with a particular focus on CBD and with reference to CITES. The current and potential scope for in situ and ex situ conservation activities by botanic gardens working individually and through partnerships will be emphasised.



Presenter Biography: Sara Oldfield is Secretary General of Botanic Gardens Conservation International, a post she has held since May 2005.

Sara Oldfield's career spans over 20 years in the plant conservation arena, with experience in a number of leading international non-government organizations. She is internationally respected for her work on wildlife trade particularly through the Convention on the International Trade in Endangered Species (CITES).

Prior to joining BGCI, Sara was the Global Programmes Director at Fauna & Flora International (FFI), responsible for the management and development of global programmes including FFI's Global Trees Campaign. This programme aims to save globally threatened tree species and their habitats worldwide, through influencing policy and the management of over 20 projects.

Prior to that, between 1995 and 1998 Sara was a Senior Projects Officer, for the World Conservation Monitoring Centre [WCMC], overseeing six projects including the Conservation and Sustainable Management of Trees project. She has been a freelance consultant for over ten years, working as a researcher and policy advisor for international biodiversity conservation. Her career started at the Nature Conservancy Council in 1977 assessing peatland sites and then at the Royal Botanic Gardens, Kew in the newly formed Conservation Unit until 1984.

Sara is Chair of the IUCN/SSC Global Tree Specialist Group, responsible for promoting and implementing projects to identify and protect global Red Listed tree species. She has published a number of books and research papers.

**Tuesday
9:40-10:10**

- **Conservation in a changing world: responding to the challenge of climate change**
(在变化的世界中保护植物：如何应对全球气候的变化)

Dr David BRAMWELL

Director, Jardín Botánico 'Viera y Clavijo' Las Palmas, Spain

The world today is changing more rapidly than at any time in human history. The greatest alterations of all concern the Earth's climate. These changes are intimately connected with plants, which harness the energy of the sun through photosynthesis and maintain the conditions for all life on the planet. The fate of humanity is inseparable from the fate of plants.

At a meeting held on *Climate Change and Plant Conservation*, in Gran Canaria, Spain in April, 2006, an action plan was proposed encompassing policy, conservation research and conservation actions. They are designed to prevent plant species extinction and the failure of ecosystem functioning under current and future climate change scenarios. Modifications to biodiversity policy, research needs and conservation actions are proposed for immediate implementation.

Presenter Biography: David Bramwell has been Director of the ‘Viera y Clavijo’ Botanic Garden in Las Palmas for over 30 years. David has written and co-authored 10 books and more than 100 papers on plant taxonomy, biogeography, conservation and the role of botanical gardens. He is an authority on the plants of the Canary Islands and island plant in general and is one of the founders of the Gran Canaria group, which carried forward the initiative to prepare the Global Strategy for Plant Conservation (GSPC) on behalf of the CBD. He is member of the World Conservation Union’s Plant Conservation Committee and is on the International Advisory Committee of Botanic Gardens Conservation International.

**Tuesday
10:20-10:50**

- **Using plant diversity sustainably: - 3R model for research and development in botanical gardens**

(可持续地利用植物多样性 - 植物园研发的 3R 模式)

Professor HUANG Hongwen (黄宏文教授)

Wuhan Botanical Garden, Wuchang, Wuhan, Hubei 430074 P.R China



China is one of the richest countries of plant diversity with an estimated 31,000 species of vascular plants and makes up ~ 10% of the world’s total. This mega diversity represents the living remnants of the early Miocene floras of the whole North Temperate regions and is the source of numerous crops and medicinal and horticultural plants. The conservation of plant diversity in China is of fundamental importance for the future of the world sustainability. In the 21st century, one of the greatest challenges we are facing is the conflicts between the increasing demands of China’s huge population for improved standards of living which depletes plant resource versus sustainability for the future. To

rescue plant resources for our future generations, implementation of the Plant Conservation Strategy in China have already made significant progress and strengthened the capabilities of state and all levels of government to implement the CBD and improved the public awareness of plant conservation. Botanical gardens have been playing an increasingly important role in plant conservation and their sustainable development. Some 20,000 native species are currently conserved ex situ in about 160 Chinese botanical gardens.

The challenge is what we do now and next? Maintenance of such huge living collections is of course very expensive; we can either pessimistically take it as a financial burden or optimistically take it towards exploring the sustainable use of these valuable genetic resources for research and development in botanical gardens. The challenge is how we effectively develop protocols or models to provide guidance for basic research and bio-product-oriented development in botanical gardens; the GSPC-Target 3 calls for ‘Development of models with protocols for plant conservation and sustainable use based on research and practical experience’. Recently, under the leadership of the Chinese Academy of Sciences, Botanical Garden Working Committee, a principle guideline has been promoted within the Chinese botanical gardens, which is defined as “Consolidate quantity, Improve quality, Strengthen discovery and Enhance sustainable use”. Following this guideline, a model of plant resource conservation, scientific research, sustainable

utilization, has been developed which translated into “Resources, Research, and Resolution – the 3R Model”. Based on plant germplasm collection, evaluation and comprehensive research programs, the 3R model integrates studies on populations, individuals, cells, genomes and extends into the discovery of useful functional genes which leads to the development of property rights for new biological products such as plant genes, varieties, natural medicine and commercial products.

Presenter Biography: Professor HUANG Hongwen has been the director of the Wuhan Botanical Garden, Chinese Academy of Sciences (CAS) since 1997. In November, 2006, he became the director of South China Botanical Garden, CAS. He is chairman of the CAS botanical gardens steering committee and a member of the International Advisory Committee, the Botanic Gardens Conservation International (BGCI).

Professor Huang started his research career as a plant germplasm collector and fruit tree breeder of chestnut (*Castanea*) and kiwifruit (*Actinidia*). He took his Ph.D. in plant population genetics and breeding at Horticultural Department, Auburn University, USA. and worked as a co-investigator in the USDA pawpaw fruit repository (*Asimina triloba*) in 1996. He is best known for kiwifruit germplasm research and breeding and responsible for founding the *Actinidia* section of the Chinese Horticultural Society. He developed and released new yellow-fleshed kiwifruit cultivars (*Actinidia chinensis*) which are commercially grown worldwide. His more recent research has focused on the conservation genetics of threatened plants and he has contributed an understanding of conservation principles and applied practices for Chinese native plants to Chinese botanical garden community. Apart from his research, he has actively advocated and passionately spoken for the conservation of Chinese native plants, which has raised enthusiastic attention among the botanical community. For his work, Professor Huang received many prestigious awards and honorable recognitions, including one national and three provincial Science & Technology Advancement Prizes, the National Service Model Recognition and Honorary Fellow in HortResearch New Zealand.

During his 10 year tenure as director of Wuhan Botanical Garden, Professor Huang has devoted his effort in the renovation of the garden’s infrastructure and the improvement of conservation, research and public education programs to the world class standards for scientific botanical gardens.

Professor Huang is author of more than 100 publications and holder of 5 registered varieties. As a teacher, he has supervised 10 Ph.D and 19 MSc graduates

10:50-11:30 **BREAK** (WSTCEC 3rd Floor & 4th Floor) 茶歇 (3楼和4楼)

Tuesday **PARALLEL SESSION III (4th Floor)**

11:30-13:00 分会 III (4楼分会场)

THEME A: UNDERSTANDING AND DOCUMENTING PLANT DIVERSITY

专题 A: 植物多样性调查及编目

11:30-13:00 **Symposium: How botanic gardens change the world: shaping policy** (Meeting Room 2) 植物园如何改变世界: 影响政策的制定 (2号会议室)

Moderator: Stephen Forbes, Botanic Gardens of Adelaide, Australia

- How botanic gardens change the world – institutional arrangements & policy influence in plant conservation
Stephen Forbes, Botanic Gardens of Adelaide, Australia
- Teaching and research: how university botanic gardens address conservation
John Parker, Cambridge University Botanic Garden, UK
- Eden Project, facilitating change
Alistair Griffiths, Eden Project, UK
- From NBI to SANBI: the biodiversity challenge
Christopher Willis, South African National Biodiversity Institute (SANBI), South Africa
- Re-discovery of the importance of non-CAS botanic gardens in China
Shiwei Zhao, Beijing Botanical Garden, China
- The botanic garden and ecological city - case study of Shanghai Botanic Gardens
Hu Yonghong, Shanghai Botanic Gardens, China

THEME B: CONSERVING PLANT DIVERSITY

专题 B: 保护植物多样性

Tuesday

Symposium: Botanic gardens promoting the integration of ex situ and in situ conservation (Meeting Room 3)

11:30-13:00

植物园促进就地和迁地综合保护 (3号会议室)

Moderators: Joachim Gratzfeld, BGCI, UK

Eleni Maloupa, Balkan Botanic Garden of Kroussia, Greece

- In situ conservation of the Balkan Botanic Garden of Kroussia, Greece
Eleni Maloupa, Balkan Botanic Garden of Kroussia, Greece
- A discussion on the dynamics of living collections
Shanan, He, Nanjing Botanic Garden Mem. Sun Yat-Sen, China
- Plant genetic resources conservation - Integrated strategies
Ganeshan Srinivasan, Tropical Botanic Garden & Research Institute, India
- Research of *Taxus baccata* L. genetic diversity in three Baltic countries - part of a regeneration programme of disappeared native species in Lithuania
Audrius Skridaila, Botanical Garden of Vilnius University, Lithuania
- Strategy for in situ conservation of at-risk and declining sandhills species
Harold Balbach, US Army Engineer Research and Development Center (USA-ERDC), USA
- What, where and how to conserve plants: a preparatory project
Douglas Gibbs, BGCI, UK

Symposium: Botanic gardens and invasive species risk assessments of their collections and management practices (Meeting Room 4)

11:30-13:00

植物园专类资源圃中的入侵植物风险评估及管理实践 (4号会议室)

Moderator: Antoni Aguiella, Botanic Garden of the University of Valencia, Spain

- Biological control of invasive plants and its impact on biodiversity
Jianqing Ding, Wuhan Botanical Garden, China
- Neophytes in Austria: results of a national inventory and potential actions by botanic gardens
Michael Kiehn, University of Vienna, Austria

- Characteristics of *Tithonia diversifolia*: an alien invasive plant in Yunnan, SW China
Wei-Bang Sun, Kunming Institute of Botany, China
- Invasive plants in Belgium: Patterns, Processes and Monitoring
Jan Rammeloo, National Botanic Garden of Belgium, Belgium

THEME C: USING PLANT DIVERSITY SUSTAINABLY

专题 C: 植物多样性的可持续利用

Tuesday
11:30-13:00

Symposium: Local plants for local needs (Meeting Room 5)
本地植物与本地需求 (5 号会议室)

Moderator: Suzanne Sharrock, BGCI, UK

- Conservation project of domestic cultivars of ornamental perennial plants in Prague Botanic Garden
Petr Hanzelka, Prague Botanic Garden, Czech Republic
- Conservation of Indian gingers at Calicut University Botanical Garden
Mamiyil Sabu, Calicut University Botanical Garden, India
- Medicinal and aromatic plants in Jordan: Ex situ conservation and utilization
Sobhia Saifan, National Center for Agricultural Research and Technology Transfer, Jordan
- Sustainable utilization of moist temperate Himalayan medicinal plants in Pakistan
Muhammad Ibrar Shinwari, Pakistan Museum of Natural History, Pakistan
- Conservation of cacti with the participation of local communities
María Magdalena Hernández, Jardín Botánico Regional de Cadereyta, Mexico

THEME D: PROMOTING EDUCATION AND AWARENESS ABOUT PLANT DIVERSITY

专题 D: 植物多样性的科普及公众教育

11:30-13:00

Symposium: Learning from Landscapes: Communication through Collections
(Meeting Room 1)
园林景观设计的启示: 通过收集的植物进行科普及公众交流 (1 号会议室)

Moderator: Marcin Zych, University of Warsaw Botanic Garden, Poland

- Communicating the mission of Lake Baikal region botanic garden
Victor Kuzevanov, Botanic Garden of the Irkutsk State University, Russia
- Educating to conserve plant diversity through sustainable landscaping
Sheryn Pitman, Botanic Gardens of Adelaide, Australia
- Conservation interpretation at the United States Botanic Garden
Dan Shepherd, Columbia University, New York, USA
- Plants and humans: landscape design and the botanical education programme
Andre Graziano, Agronomical Institute, Campinas, Brazil

11:30-13:00

Symposium: Global research on plant-based education (Meeting Room 6)
植物基础教育的全球研究 (6 号会议室)

Moderators: Caroline Lewis, Fairchild Tropical Botanic Garden, USA

- Flourishing collaborations - the story of Wakehurst Place, Royal Botanic Gardens, Kew and a local school
Asimina Vergou, Bath University, UK
- Using images to attract visitors in botanic gardens
Ling Xu, South China Botanical Garden, China
- A global snapshot of botanic garden education provision
Julia Willison and Sarah Kneebone, BGCI, UK
- The 'Garden Window' project
Chris Dalzell, Durban Botanic Garden, South Africa

Tuesday
13:00-14:30

Lunch (3rd Floor) 午餐 (3楼)

13:30-14:10

LUNCH-TIME EVENTS (午餐期间的活动)

Demonstration of database software for plant records (Meeting Room 2)
植物信息数据库软件的演示 (2号会议室)

13:30-14:30

Network meetings
区域网络会议

Africa (Meeting Room 3) (非洲 - 3号会议室)

Christopher Dalzell, Coordinator African Botanic Gardens Network (ABGN) E-Mail: dalzellc@durban.gov.za or the ABGN Regional Focal Points (see http://www.bgci.org/africa/abgn_contact/)

America North (Meeting Room 4) (北美 - 4号会议室)

David Galbraith, Chair North American Partnership for Plant Conservation E-mail: dgalbraith@rbg.ca

American (Latin American and Caribbean) (Meeting Room 5)

(拉丁美洲及加勒比地区 - 5号会议室)

Alberto Gómez Mejía, President, Association of Botanic Gardens of Latin America and the Caribbean (Asociación Latinoamericana y del Caribe de Jardines Botánicos - ALCJB)
E-mail: gomezmejia@cable.net.co

14:30-16:00

PARALLEL SESSION 4 (4th Floor)
分会 4 (4楼分会场)

THEME A: UNDERSTANDING AND DOCUMENTING PLANT DIVERSITY
专题 A: 植物多样性调查及编目

14:30-18:00

Symposium: Living plant collections: planning for conservation followed by symposium **Living plant collections: management and design** in parallel session 5 (Meeting Room 2)

两个分会连续进行: 活体植物收集圃(一): 保育计划; 活体植物收集圃(二): 管理和设计 (2号会议室)

Moderators: David Rae, Royal Botanic Garden Edinburgh, UK

Tim Upson, Cambridge University Botanic Garden, UK

- What to grow? redefining the glasshouse collections at Cambridge University Botanic Garden
Tim Upson, Cambridge University Botanic Garden, UK
- Are botanic gardens doing enough for conservation in Europe?
Jan Rammeloo, National Botanic Garden of Belgium, Belgium
- Re-evaluating the traditional practices of botanic gardens: a necessity for legitimate conservation?
David Aplin, National Botanic Garden of Belgium, Belgium
- How valuable are living collections for ex situ conservation
Leif Schulman, Helsinki University Botanic Garden, Finland
- Conservation planning: Chinese Magnolias at the Shenzhen Fairy Lake Botanical Garden
Genlin Jiao, Shenzhen Fairy Lake Botanical Garden, China

**Tuesday
14:30-16:00**

Symposium: Benefits of the International Agenda for Botanic Gardens in Conservation (Meeting Room 4)

植物园保护国际议程的成效 (4号会议室)

Moderator: David Galbraith, Royal Botanical Gardens, Hamilton, Canada

- Importance of the International Agenda
David Galbraith, Royal Botanical Gardens, Hamilton, Canada
- Conservation strategy at the Montreal Botanical Garden
Gilles Vincent, Montreal Botanical Garden, Canada
- Using the International Agenda: a global overview
Douglas Gibbs, BGCI, UK
- Public consultation process for Christchurch Botanic Garden
Jeremy Hawker, Christchurch, New Zealand
- The Action Plan for Botanic Gardens in Argentina
Marcela Sánchez, Institute of Biological Resources, Argentina

THEME B: CONSERVING PLANT DIVERSITY

专题 B: 保护植物多样性

14:30-18:00

Symposium: Responding to the challenge of climate change continued with discussion in parallel session 5 (Meeting Room 3)

应对全球气候变化的挑战 (3号会议室)

Moderator: David Bramwell, Botanic Garden 'Viera y Clavijo', Las Palmas, Spain

- An Action Plan from Gran Canaria Declaration II
David Bramwell, Botanic Garden 'Viera y Clavijo', Las Palmas, Spain
- The floral report card: monitoring floristic change in an era of global climate change
Kayri Havens, Chicago Botanic Garden, USA
- Ex situ conservation of threatened seashore plants - time out for populations hit by global change
Marko Hyvarinen, University of Oulu Botanical Garden, Finland
- Important Plant Areas: the challenge of climate change
Jonathon Rudge, Plantlife International, UK

- The importance of seed banks in a changing climate
Paul Smith, Royal Botanic Gardens, Kew, UK
- Climate change and conservation of crop wild relatives
Annie Lane, Bioversity International, Rome, Italy

THEME C: USING PLANT DIVERSITY SUSTAINABLY

专题 C: 植物多样性的可持续利用

Tuesday
14:30-16:00

POSTER SESSION-THEME C: USING PLANT DIVERSITY SUSTAINABLY (3rd Floor)

墙报展览 - 专题 C: 植物多样性的可持续利用

14:30-16:00

Symposium: Selling your garden to your local community: marketing and funding
(Meeting Room 5)

让当地社区了解你的植物园: 营销和经费筹措 (5号会议室)

Moderator: TBA

- Social, environmental, economic and health benefits of botanic gardens
David Aldous, The University of Melbourne, Australia
- Kirstenbosch NBG: a model for financial sustainability
Philip le Roux, Kirstenbosch National Botanical Garden, South Africa
- Dunedin Botanic Garden: planning for relevance and sustainability in the community
Alan Matchett, Dunedin City Council, New Zealand

THEME D: PROMOTING EDUCATION AND AWARENESS ABOUT PLANT DIVERSITY

专题 D: 植物多样性的科普及公众教育

14:30-16:00

Symposium: GSPC Target 14: meeting the challenge (Meeting Room 6)

全球植物保护战略目标 14: 应对挑战 (6号会议室)

Moderator: Donavan Fullard, Kirstenbosch Botanic Garden, SANBI, South Africa

- Communicating the importance of plant diversity; reporting on the outcomes of the Target 14 meetings worldwide
Julia Willison, BGCI, UK
- Plant-based education, what is the picture in China?
Zhu Ying, Beijing Botanic Garden, China
- Raising the profile of plants in Indonesia
Bian Tan, BGCI, Singapore
- Whose role is it in the UK to champion plants in education?
Christine Newton, Royal Botanic Gardens, Kew, UK
- Communicating plant conservation in the the USA
Dan Shepherd, Columbia Univestiy, USA

16:00-16:30

BREAK (3rd Floor & 4th Floor) 茶歇 (3楼和4楼)

16:30-18:00

PARALLEL SESSION V (4th Floor)

分会 V (4楼分会场)

THEME A: UNDERSTANDING AND DOCUMENTING PLANT DIVERSITY

专题 A: 植物多样性调查及编目

Tuesday

16:30-18:00

Symposium: Living plant collections: management and design following symposium
Living plant collections: planning for conservation in parallel session 4 (Meeting Room 2)

两个分会连续进行: 活体植物收集圃(一): 保育计划; 活体植物收集圃(二): 管理和设计(2号会议室)

Moderators: David Rae, Royal Botanic Garden Edinburgh, UK

Tim Upson, Cambridge University Botanic Garden, UK

- Scientific value of herbarium vouchers of living collections
Joseph McAuliffe, Desert Botanical Garden, USA
- Landscape assessment and development plans
David Rae, Royal Botanic Garden Edinburgh, UK
- The future of the Hortus Botanicus Leiden
Paul Kessler, Hortus Botanicus Leiden, The Netherlands
- Managing health and safety at the National Botanic Gardens of Ireland
Edel McDonald, National Botanic Gardens of Ireland, Ireland

16:30-18:00

THEME B: CONSERVING PLANT DIVERSITY

Symposium and Discussion: Responding to the challenge of climate change following symposium in parallel session 4 (Meeting Room 3)

分会讨论: 应对全球气候变化的挑战(3号会议室)

16:30-18:00

Symposium: Conserving local flora (Meeting Room 4)

保护本地植物(4号会议室)

Moderators: Mark Richardson, Consultant - Plant Conservation and Sustainable Plant Displays, Australia

- Case study of threatened lowland Fynbos habitat: Plattekloof Natural Heritage Site
Monique Twine, Kirstenbosch National Botanical Garden, South Africa
- Conservation of endangered species: action of Querétaro Botanic Garden
Emiliano Sánchez Martínez, Jardín Botánico Regional de Cadereyta, Mexico
- Securing the flora of Catalonia
Núria Membrives, Marimurtra Botanical Garden, Spain
- Conservation of Estonian flora
Heiki Tamm, Botanical Garden of the University of Tartu, Estonia
- *In situ* and *ex situ* conservation of genetic diversity of desert plants of Kuwait
Samira Omar, Kuwait Institute for Scientific Research, Kuwait

THEME C: USING PLANT DIVERSITY SUSTAINABLY

专题 C: 可持续地利用植物多样性

16:30-18:00

Symposium: Realizing the potential of native flora: role of Botanic Gardens in commercial plant development (Meeting Room 5)

认识本土植物的潜力: 植物园在经济植物开发方面的作用(5号会议室)

Moderator: Mark Webb, Botanic Gardens and Parks Authority, Australia

- Role of botanic gardens in commercial plant development
Mark Webb, Botanic Gardens and Parks Authority, Australia
- Brazilian descriptor for *Hippeastum* hybrids
Antonio Fernando Tombolato, Jardim Botânico do Instituto Agrônômico – IAC, Campinas, Brazil
- Daylilies in the Russian Far East flora as a source for new cultivars
Irina Krestova, Botanical Garden-Institute, Vladivostok, Russia
- The conservation and sustainable utilization of core germplasms of tree peonies (*Paeonia* section *Moutan* DC.)
Liangsheng Wang, Institute of Botany, CAS, Beijing, China
- Development and utilization of rare and endangered medical plants resources in Guizhou
Chao Sun, Guizhou Botanical Garden, Guiyang, China

Tuesday
16:00-18:00

THEME D: PROMOTING EDUCATION AND AWARENESS ABOUT PLANT DIVERSITY

专题 D: 植物多样性的科普及公众教育

16:30-18:00

POSTER SESSION- THEME D: PROMOTING EDUCATION AND AWARENESS ABOUT PLANT DIVERSITY (3rd Floor)

墙报展览 - 专题 D: 植物多样性的科普及公众教育

Symposium: Knowing your visitors - responding to needs (Meeting Room 6)
了解并满足游客的需求 (6号会议室)

Moderator: Laila al Harthi, Oman Botanic Reserve, Oman

- Ways of listening and making change
Alistair Griffiths, Eden Project, UK
- Are we preaching at the right level?
Gert Ausloos, National Botanic Garden of Belgium, Belgium
- New directions for developing botanic gardens
Bernard Harrison, Bernard Harrison & Friends Ltd, Singapore
- Children's education in Singapore – responding to a need
Wong Wei Har, Singapore Botanic Gardens, Singapore

Wednesday - April 18, 2007

8:30-16:30

Excursion: One-Day Tour in Wuhan (武汉一日游)

18:00-20:00

Congress Banquet (Shangri-la Hotel, Hankou) (大会晚宴 - 汉口香格里拉酒店)

Thursday - April 19, 2007

08:00-12:00

REGISTRATION (WSTCEC:3rd Floor)

注册 - 武汉科技会展中心 3楼

9:00-10:50

PLENARY SESSION 3 (4th Floor Auditorium)
全会报告 3 (4楼主会场)

Thursday
9:00-9:30

- **From a National Plant Checklist to Chinese Virtual Herbarium**
(从国家植物的名录到中国虚拟标本馆)



Professor MA Keping (马克平 教授)

Director General, Institute of Botany, Chinese Academy of Sciences, Beijing, 100093, China

China is one of the mega-diversity countries worldwide. According to *Flora Reipublicae Popularis Sinicae*, there are 31 142 plant species, 52% of which are endemic to China. In order to provide sound basis for plant conservation and sustainable use in China, we set up the Chinese Virtual Herbarium (CVH, <http://www.cvh.org.cn>). In the CVH, there are 4 major components, namely digitized specimens, plant database, e-floras and photos. From the digitized specimen module, you can find information for more than 2 million regular specimens and 3000 type specimens. From the plant database module, a number of databases are ready for query, such as national plant checklist, botanical literature database, Chinese herbaria database and interactive keys; E-floras include *Flora Reipublicae Popularis Sinicae*, *Flora of China*, *Flora of Tibet*, *Flora of Qinghai*, *Flora of Qinling Mt.*, *Flora of Sichuan* and *Flora of Hainan*; Over 26000 plant color photos were uploaded to CVH, which belong to 236 families 1437genera and 3654 species. In addition, we also developed a searching engine for major international herbaria and related databases. From late 2006, we started to prepare a CD ROM for *Catalogue of Life China*. Now, we have the trial version and will complete the first version in late 2007, which will include a national checklist for higher plants, vertebrate and some fungi and bacteria.

Presenter Biography: Professor. Keping Ma is Director General for the Institute of Botany, Chinese Academy of Sciences in Beijing and the Secretary General for Chinese National Committee for DIVERSITAS. He is also Editor-in-chief for the *Journal of Plant Ecology*, and editorial members for 7 journals on biodiversity and ecology, and on the steering committee of DIWPA and GTI for Convention on Biological Diversity. Professor Ma has devoted 15 years to the study of the biodiversity in China. He has published 10 books and 170 peer reviewed papers. He has contributed a lot to Chinese biodiversity conservation in terms of conducting strategic studies and providing services to the implementation of the Convention on Biological Diversity.

9:40-10:10

- **Conserving plant diversity on old and young landscapes - rethinking theory**
(在新老景观中保存植物多样性 - 理论上的深化)



Professor Stephen HOPPER

Director, Royal Botanic Gardens, Kew, Richmond, Surrey, TW9 3AB, UK

Old climatically-buffered infertile landscapes (OCBILs) are globally rare today, but are prominent in the Southwest Australian Floristic Region, South Africa's Greater Cape, and Venezuela's Pantepui Highlands. They may have been more common globally before Pleistocene glaciations. OCBILs are important for conserving plant diversity, being rich in rare local endemics,

phylogenetic relicts and unnamed new species. Insights that may help conservation are emerging from predictions of OCBIL theory. Conventional conservation management has developed primarily from observations and experiments on species from young, often-disturbed, fertile landscapes (YODFLs). It may be that many applications of such theory are contrary to best practice for species under threat on OCBILs.

Presenter Biography: Professor Steve Hopper is the 14th Director of the Royal Botanic Gardens, Kew. He holds Visiting Professorships at the School of Plant Biology, University of Western Australia and at Kings Park and Botanic Garden, Perth. He was awarded a Commonwealth Centenary Medal for service to the community in 2003.

Steve Hopper is a plant conservation biologist, best known for pioneering research leading to positive conservation outcomes in south-west Australia (one of the few temperate-zone global biodiversity hotspots) and for the collaborative description of 300 new plant taxa (eucalypts, orchids, Haemodoraceae). In 1990 he was Fulbright Senior Scholar at the University of Georgia and Miller Visiting Research Professor at the University of California, Berkeley, working on granite outcrop plant life, which continues as a research interest.

Professor Hopper joined Kings Park and Botanic Garden as the Director in 1992, and from 1999 to 2004 served as Chief Executive Officer of the Botanic Gardens and Parks Authority (which manages Kings Park and Botanic Garden and Bold Park), leading the delivery of improvements to programs and infrastructure to world-class standards.

Apart from extensive research in the southwest, Steve Hopper has explored Australian deserts since 1980, and conducted field research in South Africa and the USA. While Foundation Professor of Plant Conservation Biology at The University of Western Australia from 2004-2006, he developed new theory on the evolution and conservation of biodiversity on the world's oldest landscapes, and led the establishment of new degrees in conservation biology.

Professor Hopper is the author of more than 200 scientific publications, including several books and scientific monographs. He has also published extensively in popular literature. Prior to joining Kew, he served as a member of the Premier's/Western Australian Science Council and as an immediate past-President of the Australian Systematic Botany Society.

**Thursday
10:20-10:50**

• **The seeds of change project**
Ms Peggy OLWELL
Bureau of Land Management, USA

10:50-11:30

BREAK (WSTCEC 3rd Floor & 4th Floor) 茶歇 (3楼和4楼)

11:30-13:00

PARALLEL SESSION VI (4th Floor)
分会 VI (4楼会场)
THEME A: UNDERSTANDING AND DOCUMENTING PLANT DIVERSITY
专题 A: 植物多样性调查及编目

Thursday

Symposium: Plants on the edge: assessment of the conservation status of the national

11:30-13:00 **floras** (Meeting Room 2)
植物濒危现状：国家植物保护状态的评估（2号会议室）

Moderator: George Schatz, Missouri Botanical Garden, USA

- Lost and found in the Greek flora
Arne Strid, Göteborg Botanical Garden Sweden
- Status of *in situ* and *ex situ* plant conservation in the Sultanate of Oman, Southern Arabia
Annette Patzelt, Sultan Qaboos University, Oman
- Herbarium collections: importance for conservation
Tim Entwisle, Botanic Gardens Trust, Australia
- The Conservation Status and Conservation Strategy of *Picea neoveitchii*
Deshun Zhang, Shanghai Institute of Landscape Architecture, China

11:30-13:00 **Symposium: What else do we need to know? Priorities for conservation research**
(Meeting Room 5)

我们目前需要知道什么？确定植物保护研究的优先领域（5号会议室）

Moderator: TBA

- Reproductive biology studies - the way of understanding plant diversity
Mikhail Romanov, Main Botanical Garden of RAS, Moscow, Russia
- A molecular assessment of the key biological processes of dispersal and mating in Banksias: implications for conservation
Tianhua He, Curtin University of Technology, Australia
- Botanical collecting effort in Amazonia
Leif Schulman, Helsinki University Botanic Garden, Finland
- Conservation and restoration of the plants in the Three Gorges Reservoir -- a case study from *Myricaria laxiflora*
Yifei Liu, Wuhan Botanical Garden, CAS

THEME B: CONSERVING PLANT DIVERSITY

专题 B: 保护植物多样性

Thursday
11:30-13:00

Symposium: Habitat restoration and reclamation (Meeting Room 3)
植物原生境的恢复和重建（3号会议室）

Moderator: Philip Ainsley, Botanic Gardens of Adelaide, South Australia

- Conservation and use of *Calligonum* for the stability of desert ecosystems
Yong Tan, Turpan Desert Botanic Garden, China
- Trees 2000 - a project to restore indigenous tree plantings in Kenya
Julian Stanning, Consultant, Kenya
- Experiences with developing a botanic garden in the uplands of Kenya
Mark Nicholson, Plants for Life International, Kenya
- Dyke stabilization and wave control with a botanical approach
Bob Ursem, Botanic Garden Delft University of Technology, The Netherlands
- Grassland restoration in the southern Pampas
Carlos B. Villamil, Universidad Nacional del Sur, Argentina

11:30-13:00 **Symposium: Establishing new gardens: meeting the conservation challenge** (Meeting Room 4)

新植物园的建设：如何应对植物保护的挑战（4号会议室）

Moderator: Dezhu Li, Kunming Institute of Botany, CAS, China

- Challenge of a new botanic garden
Haider Abbas, Karachi University Botanic Garden, Pakistan
- The Oman Botanic Garden – an iconic new garden for the Arabian Peninsula
Andrew Spalton, Diwan of Royal Court, Oman
- Building a new garden today: An non-conventional way to communicate about plants
Phillippe Richard, Jardin Botanique de la Ville de Bordeaux, France
- The theory and practice of the eco-botany garden of the Zhejiang Forestry College
Tailin Zhong, Botany Garden of Zhejiang Forestry College, China
- The Desert Botanic Garden
Patricia Vincent, Andean Project and Municipality of Arica, Chile

THEME C: USING PLANT DIVERSITY SUSTAINABLY

专题 C: 植物多样性的可持续利用

**Thursday
11:30-13:00**

Symposium: Implementation of CITES: the botanic garden contribution (Meeting Room 1)

国际濒危野生动植物贸易公约的实施：植物园的作用（1号会议室）

Moderator: Sara Oldfield, BGCI, UK

- Botanic gardens and Target 11 of the GSPC
Sara Oldfield, BGCI, UK
- Orchid Conservation in China - supporting CITES & CBD
Gloria Siu Lai-ping, Kadoorie Farm and Botanic Garden Corporation, Hong Kong, China
- CITES and livelihoods
Alfred Oteng-Yeboah, Council for Scientific and Industrial Research, Accra, Ghana

THEME D: PROMOTING EDUCATION AND AWARENESS ABOUT PLANT DIVERSITY

专题 D: 植物多样性的科普及公众教育

11:30-13:00 **Symposium: Ecotourism and botanic gardens** (Meeting Room 6)
生态旅游和植物园（6号会议室）

Moderator: Svetlana Sizyh, Irkutsk Botanic Garden, Russia

- Ecotourism and botanic gardens – an education perspective
Donavan Fullard, Kirstenbosch National Botanical Garden, South Africa
- Trails of inheritance
Monique Paternoster, Conservatoire Botanique National de Mascarin, La Reunion
- Ecotours - towards sustainable tourism for botanic gardens
Rusty Worsman, Mount Tomah Botanic Garden, Australia

13:00-14:30 **Lunch (3rd Floor)**

LUNCH-TIME EVENTS (午餐时间的活动)

Demonstration of database software for plant records (Meeting Room 2)

植物信息数据库软件的演示 (2号会议室)

Performance “Planting the Dunk Botanic Gardens”(Auditorium)

喜剧表演 (4楼主会场)

Thursday
14:30–16:00

PARALLEL SESSION VII (4th Floor)

分会 VII (4楼分会场)

THEME A: UNDERSTANDING AND DOCUMENTING PLANT DIVERSITY

专题 A: 植物多样性调查及编目

14:30–16:00

Symposium: Solanaceae and economically important plants (Meeting Room 2)

茄科及其他重要经济作物 (2号会议室)

Moderator: Ying Wang, Wuhan Botanical Garden, China

- Genetic diversity and sustainable utilization of Chinese medicinal plants, *Lycium* and *Epimedium*
Ying Wang, Wuhan Botanical Garden, China
- The exploitation of *Citrus* germplasm in China for the industry
Xiuxin Deng, Huangzhong Agricultural University, China
- Conservation of Tomato and its wild relatives
Iris Peralta, Jardín Botánico Chacras de Coria –UNCu, Argentina
- Introduction of conservation and utilization of orchid resources in Chinese Botanical Gardens
Jun Duan, South China Botanical Garden, CAS, China

THEME B: CONSERVING PLANT DIVERSITY

专题 B: 保护植物多样性

14:00–16:00

POSTER SESSION-THEME B: CONSERVING PLANT DIVERSITY ((3rd Floor)

专题 B: 保护植物多样性

14:30–16:00

Symposium: The Global Trees Campaign followed by discussion in parallel session 8 (Meeting Room 3)

全球植树运动 (一) 与全球植树运动 (二) 连续进行 (3号会议室)

Moderators: Sara Oldfield, BGCI, UK

Georgina Magin, Fauna & Flora International, Cambridge, UK

- The Global Trees Campaign – action for threatened trees
Georgina Magin, Fauna & Flora International, Cambridge, UK
- Conservation of Magnoliaceae in China: The five flagship species in Yunnan
Weibang Sun, Kunming Institute of Botany, China
- Conserving the Cebu Cinammon
Orlynn Orlanes-Roxas, Cebu Biodiversity Conservation Foundation, Philippines
- Conservation of Cuban endemic threatened plants in botanic gardens.
Angela T. Leiva Sánchez, Jardín Botánico Nacional, Universidad de La Habana, Cuba

- Conservation action plan for the Brazilianwood, *Caesalpinia echinata*, in Rio de Janeiro State, Brazil
Tania Sampaio Perreira, Rio de Janeiro Botanic Garden, Brazil

Thursday
14:30–16:00

Symposium: Making gardens relevant to the local community (Meeting Room 4)
植物园与当地社区联动（4号会议室）

Moderator: Jin Chen, Xishuangbanna Tropical Botanical Garden, China

- The introduction of Lushan Botanical Garden
Qingsong ZHANG, Lushan Botanical Garden, China
- Botanic gardens in Sri Lanka past, present and future
Siril Wijesundara, Royal Botanic Gardens, Peradeniya, Sri Lanka
- The challenge of the rehabilitation of a garden in a country in search of stability and good governance
Francesca Lanata, Kisantu Botanic Garden, DR Congo
- Village botanic gardens as a tool for preserving plant diversity and indigenous knowledge on a local scale in Benin and Burkina Faso
Julia Krohmner, Institute for Ecology, Evolution & Diversity, University of Frankfurt, Germany

THEME C: USING PLANT DIVERSITY SUSTAINABLY

专题 C: 植物多样性的可持续利用

14:30–16:00

Symposium: Linking biodiversity and well-being (Meeting Room 5)
植物多样性和人类健康的联系（5号会议室）

Moderator: Xiaoya Chen, Shanghai Institute of Biological Sciences, CAS, China

- Plant diversity and human health
Xiaoya Chen, Shanghai Institute of Biological Sciences, CAS, China
- Introduction of BGCI's Development Programme
Suzanne Sharrock, BGCI, UK
- Botanic garden resources: linking biodiversity and human well-being
Victor Kuzevanov, Botanic Garden of the Irkutsk State University, Russia
- Sustainable use of biodiversity in the dry ecosystem of the Arab world
Dawud Al-Eisawi, University of Jordan, Jordan
- Human well-being and plant collections in the Kisantu Botanic Garden
Kembelo Kibungo, Kisantu Botanic Garden, Democratic Republic of Congo

THEME D: PROMOTING EDUCATION AND AWARENESS ABOUT PLANT DIVERSITY

专题 D: 植物多样性的科普及公众教育

14:30–16:00

Symposium: Science, schools and systematics (Meeting Room 6)
科学、学校和分类学（6号会议室）

Moderator: Larry de Buhr, Chicago Botanic Garden, USA

- Promoting education about plant diversity
Houquan Jiang, Wuhan Botanical Garden, China
- Sharing science at the Natural History Museum in Paris

- Maïté Delmas, Museum National d'Histoire Naturelle, Paris, France
- The reduction in the teaching of plant science and conservation in schools: a UK perspective
Christine Newton, Wakehurst Place, Royal Botanic Gardens, Kew, UK
- Eco-sessions, primary schools and the changing visitor profile
Felicity Gaffney, National Botanic Gardens of Ireland, Glasnevin, Ireland
- Formal and informal education at the Daegu Arboretum
Yong-Shik Kim, Yeungnam University, Korea

16:00-16:30 BREAK (3rd Floor & 4th Floor) 茶歇 (3楼和4楼)

PARALLEL SESSION VIII (4th Floor)

Thursday 分会 VIII (4楼分会场)

16:30-18:00 THEME A: UNDERSTANDING AND DOCUMENTING PLANT DIVERSITY

专题 A: 植物多样性调查及编目

16:30-18:00 Symposium: Effective training to meet the conservation challenge (Meeting Room 2)
为植物保护提供有效的教育 (2号会议室)

Moderator: Colin Clubbe, Royal Botanic Gardens, Kew, UK

- Travelling training courses: Uganda and Montserrat
Colin Clubbe, Royal Botanic Gardens, Kew, UK
- BGCI China Programme – training workshops and staff exchanges
Anle Tieu, BGCI, Singapore
- Conservation training for horticulturists
Gert Ausloos, National Botanic Garden of Belgium, Belgium
- Development of certificate programmes at the Royal Botanic Garden Edinburgh
Leigh Morris, Royal Botanic Garden Edinburgh, UK

THEME B: CONSERVING PLANT DIVERSITY

专题 B: 保护植物多样性

16:30-18:00 Symposium: The Global Trees Campaign following symposium in parallel session 7
(Meeting Room 3)
全球植树运动 (二) (3号会议室)

Moderators: Sara Oldfield, BGCI, UK

Georgina Magin, Fauna & Flora International, Cambridge, UK

- Developing an *ex situ* conifer collection
Hugh Angus, The National Arboreta, UK
- Conserving Vietnamese conifers
Phan Ke Loc, Institute of Ecology and Biological Resources, Hanoi, Vietnam
- Threatened Chinese conifers in *ex situ* collections
Chris Reynolds, Bedgebury Pinetum, UK
- Status of threatened Chinese conifers in China
Xiaodong Li, Wuhan Botanical Garden, CAS, China

16:30-18:00 Symposium: Horticulture for conservation (Meeting Room 4)

园艺和保育（4号会议室）

Moderator: David Rae, Royal Botanic Garden Edinburgh, UK

- Why conserve *Sarracenia* pitcher plants
Larry Mellichamp, University of North Carolina at Charlotte, USA
- In vitro multiplication and restoration of selected RET plants of India
Seeni SOORIAMUTHU, Tropical Botanic Garden & Research Institute, India
- General knowledge of Chinese woody plant introduction in the Arboretum Mlyňany SAS
Peter Hořka, Arboretum Mlyňany SAS, Slovakia
- Propagation of endangered fern *Adiantum reniforme* var. *sinense* endemic to the Three-Gorge Area for conservation
Qi-gang Ye, Wuhan Botanical Garden, China

THEME C: USING PLANT DIVERSITY SUSTAINABLY

Thursday 专题 C: 植物多样性的可持续利用

16:30-18:00 **POSTER SESSION-THEME C: USING PLANT DIVERSITY SUSTAINABLY (3rd Floor)**

墙报展览 - 专题 C: 植物多样性的可持续利用

16:30-18:00 **Symposium: Walking the talk: creating a sustainable site** (Meeting Room 5)
边做边学: 创建可持续的环境（5号会议室）

Moderator: Peter Wyse Jackson, National Botanic Gardens of Ireland, Ireland

- Saving one thing, doing another...are you peat free?
Viviane Leyman, National Botanical Garden of Belgium, Belgium
- Ecological engineering and botanic gardens
Hein Van Bohemen, University of Technology Delft, The Netherlands
- Managing risks to support sustainability: experiences from creating the new Australian Botanic Garden in Melbourne
Grant Cameron, Royal Botanic Gardens Melbourne, Australia
- Developing and implementing a policy on sustainability for a botanic garden: experiences from Dublin
Peter Wyse Jackson, National Botanic Gardens of Ireland, Ireland

THEME D: PROMOTING EDUCATION AND AWARENESS ABOUT PLANT DIVERSITY

专题 D: 植物多样性的科普及公众教育

16:30-18:00 **Symposium: Community Empowerment for Sustainability** (Meeting Room 6)
社区对可持续性的作用（6号会议室）

Moderator: Chris Dalzell, Durban Botanic Garden, South Africa

- Community conservation - a grassroots approach to conserving native plants
Ailene Kane, New England Wildflower Society, USA
- Free State NBG; educating communities about plant diversity awareness and conservation

- Peter Gavhi, Free State National Botanical Garden, South Africa
- Traditional knowledge and its importance in biodiversity conservation
Aneel Gilani, Quaid-I-Azam University, Pakistan
- Gardenia: medicinal plant diversity education with rural communities in southern India
B.S. Somashekhar, Foundation for the Revitalisation of Local Health Traditions, India

Friday - April 20, 2007

9.00-10:50 **PLENARY SESSION 4** (4th Floor Auditorium)
全会报告 (4楼主会场)

9:00-9:30

- **Botanic gardens as introduction centres for plants of economic importance**
(植物园—重要经济植物的引种和驯化中心)

Professor Vernon H HEYWOOD

Emeritus Professor, Plant Science Laboratories, School of Biological Sciences, University of Reading RG6 6AS, UK



Botanic gardens have played many different roles over the centuries. In recent years plant conservation has been a major focus and major advances have been made in that area. Historically, however, botanic gardens have been key centres for plant introduction, including many important crops, notably as part of the colonization process in the 18th and 19th centuries. Today, however, those gardens that are engaged in plant introduction direct most of their efforts at plants of horticultural merit and plant exploration for this purpose remains active, for example, in the United States and the United Kingdom, while the cultivation and domestication of medicinal and aromatic plants is being undertaken by a number of gardens, notably in China and India. But it is perhaps time to revisit this whole area and take a broad look at the needs for introduction of plants of economic and social importance, especially in the light of global change, develop a coherent policy and assess what role the botanic garden community might play and how it could cooperate with the agricultural germplasm sector. Suggestions for achieving this are made. A critical reassessment should be made of the concept of acclimatization, the function of acclimatization gardens and societies and the part that the botanic garden community might play. The part that botanic gardens have played in the introduction of species that later escape and become invasive remains a serious concern but does not negate the key role of plant introductions for the world's economy.

Presenter Biography: Vernon Heywood is Emeritus Professor in The University of Reading, UK, President of the International Council for Medicinal and Aromatic Plants and consultant to the Inspection Panel of the World Bank, FAO, UNEP, GEF, and DFID. He was formerly Chief Scientist, Plant Conservation, of IUCN-The World Conservation Union, Director of Botanic Gardens Conservation International and Dean of the Faculty of Science, The University of Reading. He also holds several honorary positions such as an Honorary Professorship at the Institute of Botany, Chinese Academy of Sciences, Nanjing, China.

Professor Heywood is an authority on biodiversity, systematics and conservation with

extensive experience of conservation problems in many parts of the world. He is especially concerned with developing strategies for the conservation of germplasm of wild species, including wild relatives of crop plants. He co-ordinated and edited the UNEP Global Biodiversity Assessment, and had advised governments, ministries and universities and NGOs in many part so the world. His publications include 60 books and over 500 papers.

**Friday
9:40-10:10**

• **Plant conservation in Malaysia – meeting the challenges of the twenty-first century**

(马来西亚的植物保护 – 面对 21 世纪的挑战)

Dr. Leng Guan Saw

*Director, Tropical Forest Biodiversity Centre,, Forest Research Institute Malaysia, 52109
Kepong, Selangor
Malaysia*



Malaysia has an estimated 15,000 species of vascular plants. Located in the Malesian region, its affinity is Sundaic; having common elements with Sumatra, Java and Palawan. Malaysia is geographically divided into two halves, Peninsular Malaysia extending from mainland Asia and the east Malaysian states of Sabah and Sarawak on the island of Borneo. Both these regions have their own distinct floristic components. Peninsular Malaysia has about 8,300 species of vascular plants while Sabah and Sarawak has an estimated 12,000 species. The rich plant diversity poses many challenges for plant conservation in Malaysia. The Malaysian flora is not completely known, Peninsular Malaysia has a working checklist, for Sabah and Sarawak, an obsolete checklist is available and the list badly requires updating. In the past, plant conservation has not been high on the nation's priority; very little species level conservation activities have been done. However, recent changes in the government have provided opportunities towards a more holistic approach for plant conservation in Malaysia. The Forest Research Institute Malaysia has led a number of important initiatives towards supporting such efforts. A national strategy for plant conservation for Malaysia has been developed; the strategy was developed in a consultative process in response to the Global Strategy for Plant Conservation. A phase approach towards documenting the flora of Malaysia has been adopted. The Tree Flora of Sabah and Sarawak which initiated in 1991 has completed 6 volumes and the project will continue for another estimated ten years. The Flora of Peninsular Malaysia started in 2005, provides a fresh revision of the total flora of West Malaysia. A checklist to enumerate the vascular plants of Borneo has started. On-going plant conservation projects include conservation status assessment and detail population studies of critically endangered plants. With the setting of Kepong Botanic Gardens (KBG), attempts are also been made to bring some of the threatened and rare plants in cultivation at KBG.

Presenter Biography: Dr Saw Leng Guan has been Director of the Tropical Forest Biodiversity Centre of the Forest Research Institute Malaysia in Kepong, Selangor since 2004. Dr Saw is also Curator of the Herbarium and is responsible for the Arboretum and the development of the Kepong Botanic Gardens.

Dr Saw's main research interests are palm taxonomy and ecology, the taxonomic revision of Malaysian plants and the conservation of Malaysian flora and ecosystems. He studied

for his Ph D. at Reading University, UK. He is a member of many national and international scientific committees (e.g. CITES, Flora Malesiana, Brahms) and has been part of the Malaysian delegation to the Sixth and Seventh Conference of Parties, Convention for Biological Diversity, 2002 and 2004. He is well-known as a lecturer on taxonomy and forest management and acts as a consultant on environmental impact assessments, plant and vegetation surveys and the development of new botanic gardens.

Friday
10:20-10:50

• **Botanic Gardens: Gateways to the Future**
(植物园：通向未来的大门)

Professor. Stephen BLACKMORE

FRSE, Regius Keeper, Royal Botanic Garden Edinburgh



In the years and decades ahead, climate change, biodiversity loss and a set of complex, interrelated issues associated with the accelerating pace of environmental change will come to dominate our daily lives. As many observers have pointed out, our species has survived previous periods of dramatic climate change, such as the last ice ages. The challenges we now face are different. They confront a global community of over 6.5 billion people living in complex societies that occupy most of the habitable surface of our planet. Despite the enormity of the challenges, botanic gardens have a significant potential to contribute directly to tackling the conservation of biodiversity and its adaptation to the different conditions that will confront us in the future. Just as importantly, botanic gardens have a key role to play in urgently engaging with the public so that they can understand the ways in which the world is changing and what they and their families can do to make a difference. The question is, how can we increase the effectiveness of the botanic garden community so that it plays a greater part in the survival of the plant biodiversity on which we all depend and in empowering citizens to bring about a more sustainable relationship with our planet?

Presenter Biography: Steve Blackmore has been the Regius Keeper at the Royal Botanic Garden Edinburgh since October 1999. Prior to that he worked at the Natural History Museum in London for 19 years, first as a researcher specializing in electron microscopy of pollen grains and spores and latterly as the Keeper of Botany. He had previously worked at the Royal Society's Aldabra Research Station in the Indian Ocean and at the University of Malawi. His personal interest in plant conservation and biodiversity stems from his time spent overseas and from his work in central America while based at the Natural History Museum. He is now actively involved in conservation projects in the Seychelles and China. He believes passionately in the importance of botanic gardens as centres for research, conservation and communication.

He is a Fellow of the Royal Society of Edinburgh, Fellow of the Institute of Biology, Honorary Fellow of the 48 Group Club "The Icebreakers" and a Visiting Professor at the Chinese Academy of Sciences Kunming Institute of Botany.

10:50-11:30

BREAK (4th Floor&3rd Floor) 茶歇 (3楼和4楼)

11:30–13:00 **CONCLUSIONS AND CLOSE** (4th Floor Auditorium)
闭幕式

Saturday - April 21, 2007

10:00–17:00 **POST CONGRESS WORKSHOPS— Wuhan Botanical Garden**
(会后专题讲座 - 武汉植物园)
POSW1 Asian regional workshop on national implementation of the GSPC:
Exploring the options and sharing experiences
亚洲各国履行《全球植物保护战略》情况专题讲座：履行的探索与经验的分享

Organizers: Hongwen Huang (Wuhan Botanical Garden, CSA, China)
 Anle Tieu and Bian Tan (BGCI - Asia Programme)
 Stella Simiyu (BGCI/SCBD Programme Officer, GSPC)

The purpose is to:

- Review progress and share experiences in national implementation of the GSPC in Asia
- Explore options and opportunities for enhanced national implementation of the GSPC
- Agree a way forward.

Poster Presentations (墙报展览)

April 16 2007 Monday

4月16日 周一

All posters can be put up on the morning of April 16, and must be taken off before 6pm on April 19.

POSTER SESSION THEME A: UNDERSTANDING AND DOCUMENTING PLANT DIVERSITY
14:00-16:00 April 16, 2007 (3rd Floor)

- P001** Survey, collection, propagation and conservation of indigenous spice germplasm in Nigeria
Adelaja, Babasola, National Horticultural Research Institute, Nigeria
- P002** Plant CollectionsTM: linking national and international living plant databases
Allenstein, Pamela, American Public Gardens Association, USA
- P003** The use of bar-codes beyond the supermarket: the possibilities and challenges for living collections
Aplin, David, National Botanic Garden of Belgium, Belgium
- P004** Distribution of the genus *Fritillaria* (Liliaceae) in Iran
Bakhshi Khaniki, Gholamreza, Payame Noor University, Tehran, Iran
- P005** Management system of living collections information and planting maps for Nanjing

- Botanical Garden Mem. Sun Yat-Sen
Chen, Yinghui, Nanjing Botanical Garden Mem. Sun Yat-Sen, China
- P007** Application of wireless sensor network for real time monitoring and sensing of biological and environmental data in Taipei Botanical Garden
Chen, Chien Wen, Taiwan Forestry Research Institute, China
- P008** Current condition of *ex situ* conservation for wild fruit and nut resources in China and its developmental prospects
Cheng, Zhongping, Wuhan Botanical Garden, China
- P009** Implementing a plant record system for Brazilian Botanic Gardens
Costa, Maria Lucia Nova da, Rio de Janeiro Botanic Garden, Brazil
- P010** Taxonomic studies of some weeds in Gezira State with special emphasis on the Wad Medani and Abu Haraz areas
El Khawad, Mohamed, Crop Protection Research Center, Agricultural Research Corporation, Wad Medani, Sudan
- P011** Convention on Biological Diversity (CBD) and sustainable development in French Guyana: an example of an application of research in ethnobiology
Fleury, Marie, Muséum National d'Histoire Naturelle, Paris, France
- P012** Age, size structure and spatial pattern of *Cercidiphyllum japonicum* along riparian zone in Shennongjia National Reserve in Hubei, Central China
Jiang, Mingxi, Wuhan Botanical Garden, China
- P013** Effects of soil water availability on ecophysiological characteristics of the endangered fern, *Adiantum reniforme* var. *sinensis*
Jiang, Mingxi, Wuhan Botanical Garden, China
- P014** Photosynthetic characterization of *Manglietia stella* and *Liriodendron chinense* x *tulipifera* (Magnoliaceae)
Jiao, Genlin, Shenzhen Fairy Lake Botanical Garden, China
- P015** Studies on RAPD-PCR molecular markers linked to sexuality in the dioecious Cycads (*Cycas tanqingii* D.Y.Wang.)
Jin, Hong, Shenzhen Fairy Lake Botanical Garden, China
- P016** RAPD markers linked to sexuality of Cycas plants
Jing, Jianzhou, Zhengzhou University of Light Industry, China
- P017** Discussion on correlations between population genetic diversity of *Bombax malabaricum* and its adaptability to dry-hot valleys in Yunnan
Li, Qiaoming, Xishuangbanna Tropical Botanical Garden, China
- P018** BOTANICUS: Providing global access to digitized taxonomic reference literature
Miller, Chuck, Missouri Botanical Garden, USA
- P019** BG-BASE Collections Management Software
O'Neal, Michael, BG-BASE, Inc, USA

- P020** Atlantis-BG a standard for comprehensive, web-based collection management
Persoon, J.G.M. , University Botanical Gardens, The Netherlands
- P021** Documentation of plant diversity pertinent for wetland eco-system in the botanical gardens
Poddar, Parthendu, North Bengal Agricultural University, India
- P022** BGCI –Documenting rare and threatened plants
Oldfield, Sara, BGCI, UK
- P023** From ecosystems to genes --the joy and power of database integration
Walter, Kerry, BG-BASE (UK) Ltd. , UK
- P025** The role of molecular tools in the conservation and sustainable use of plants
Xia, Bing, Institute of Botany, Jiangsu Province and Chinese Academy of Sciences, China
- P026** Microsatellite diversity and population structure associated with geographical factors in *Epimedium koreanum* populations in China
Xu, Yan-Qin, Wuhan Botanical Garden, China
- P027** Spatial distribution pattern and interspecific association of *Populous euphratica* and *Tamarix ramosissima* seedlings populations in a desert inland riparian habitat
Yin, Linke, Turpan Eremophytes Botanic Garden, China

POSTER SESSION -THEME B: CONSERVING PLANT DIVERSITY
Monday 16:00-18:00 April 16, 2007 (3rd Floor)

- P028** *Ex situ* and *in situ* conservation strategies for spontaneous plant species in Puglia (Italy)
Accogli, Rita, University of SALENTO - Botanical Garden, Italy
- P029** Assessment of conservation of biological diversity of vegetation of desert sands in Kazakhstan
Bizhanova, Gulbarshin K., Institute of Botany and Phytointroduction, Kazakhstan
- P030** Conservation of an historical *Ginkgo biloba* L. at the Botanical Garden of Padua (Italy)
Cappelletti, Elsa M., Orto Botanico dell'Università di Padova, Italy
- P031** Studies of seed dormancy and germination for conserving an endemic and vulnerable species *Prunus taiwaniana* in Taiwan
Chen, Shun Ying, Taiwan Forestry Research Institute, China
- P032** Species diversity and ecological niche characteristic analysis of artificial vegetation in the peripheral regions of an oasis
Chen, Yanrui, Turpan Eremophyte Botanic Garden, China
- P033** Growing heritage: garden plants and conservation - a UK action plan for the future
Cubey, Janet, Royal Horticultural Society, UK
- P034** Living Rubiaceae at the National Botanic Garden of Belgium: a valuable collection for

- research, education, horticulture and ex-situ conservation
Dessein, Steven, National Botanic Garden of Belgium, Belgium
- P035** Parc Forestier et Zoologique de Hann et ecotourisme
Diop, Papa Alassane, Jardin Botanique des Parcs Forestier et Zoologique de Hann, Senegal
- P036** Ex situ conservation of native species - contribution of German botanic gardens to the GSPC Target 8
Driesch, von den, Marliese, Germany
- P037** The completion of the Iridaceae Juss collection in the Botanic Garden of Mongolia
Enkhtuya, L, Institute of Botany, Mongolia
- P038** Istanbul University Botanical Garden and an artificial propagation study
Erol, Osman, Istanbul University Botanical Garden, Turkey
- P039** Isima-Ujed Botanical Garden
Esparza Alcalde, Federico, ISIMA de la Universidad Juárez del Estado de Durango, Mexico
- P040** The UPM seed bank (Madrid) forty years later
Gómez-Campo, César, Universidad Politécnica de Madrid, Spain
- P041** BGCI – supporting the conservation of medicinal plants
Hawkins, Belinda, BGCI, UK
- P042** International botanical collaboration
Hird, Abby, Longwood Graduate Fellow, University of Delaware, USA
- P043** The collection of Magnolia species in the Arboretum Mlyňany SAS - introduction and conservation
Hořka, Peter, Arboretum Mlyňany SAS, Slovak Republic
- P044** Biodiversity conservation: collection and propagation of local cultivars and wild-type ancestors of edible plants
Ippolito, Fabio, University of Lecce, Italy
- P045** A Botanical Guide for the protection and conservation of East Mediterranean plants
Ippolito, Fabio, University of Salento - Botanical Garden, Italy
- P046** Conservational significance of Magnolia living collections in Shenzhen Fairy Lake Botanical Garden
Jiao, Genlin, Shenzhen Fairy Lake Botanical Garden, China
- P047** Databasing the information of the living plant collection in the Medicinal Plant Garden of Shenzhen Fairy Lake Botanical Garden
Jiao, Genlin, Shenzhen Fairy Lake Botanical Garden, China
- P048** Flowering age and failure of seed production of Magnoliaceae species grown in the living collections of Shenzhen Fairy Lake Botanical Garden

- Jiao, Genlin, Shenzhen Fairy Lake Botanical Garden, China
- P049** Protecting global biodiversity at the Sarah P. Duke Gardens
Jones, Paul Douglas, Sarah P. Duke Gardens, USA
- P050** New botanic garden at the University of Helsinki
Junikka, Leo, Finnish Museum of Natural History Botanic Garden, Finland
- P051** The Austrian Botanic Gardens Working Group
Kiehn, Michael, University of Vienna Botanic Garden, Austria
- P052** Introduction to the East Asia Botanic Gardens Network (EABGN)
Kim, Yong-Shik, Yeungnam University, Korea
- P053** Genome conservation for rare and ornamental species of Russian Far East ferns by cryopreservation
Kreshchenok, Irina, Amur Branch of Botanical Garden-Institute, Russia
- P054** In situ conservation of crop wild relatives
Lane, Annette, Bioversity International, Italy
- P055** Conservation strategy and classification of the *Triaenophora* and *Rehmannia*
Li, Xiaodong, Wuhan Botanical Garden, China
- P056** *Cycad* conservation in Shenzhen Fairy Lake Botanical Garden
Li, Nan, Shenzhen Fairy Lake Botanical Garden, China
- P057** Genetic diversity and population structure of the endangered species *Litsea szemaois* (Lauraceae)
Li, Jie, Xishuangbanna Tropical Botanical Garden, China
- P058** Fauna & Flora International China Programme
Li, Xiaya, Fauna & Flora International China Programme, China
- P059** Conservation and usage of living collections in the conditions of the Middle Urals
Semkina, Lidia, Botanical Garden of Ural Branch, Russian Academy of Sciences, Russia
- P060** Management at Fushan Botanical Garden
Lin, Tse-Tung, Taiwan Forestry Research Institute, China
- P061** Global Trees Campaign
Magin, Georgina, Fauna & Flora International, UK
- P062** Introduction of trees and shrubs to the Mardakan arboretum
Mammadov, Tofiq, Mardakan Arboretum NAS of Azerbaijan, Azerbaijan
- P063** The role of the Mardakan Arboretum in the development of biodiversity in the Republic
Mammadov, Tofiq, Mardakan Arboretum NAS of Azerbaijan, Azerbaijan

April 17 2007 Tuesday
4 月 17 日 周二

POSTER SESSION - THEME C: USING PLANT DIVERSITY SUSTAINABLY
Tuesday 14:00-16:00 April 17, 2007 (3rd Floor)

- P095** A morpho-genetic approach to characterize genetic diversity in date palms (*Phoenix dactylifera* L.)
Al-Khalifah, Nasser, Natural Resources and Research Institute King Abdulaziz City for Science and Technology, Kingdom of Saudi Arabia.
- P096** Contribution to the knowledge of the active principles in the Brown Seaweeds of *Cystoseira barbata* (Phaeophyceae)
Arcus, Mariana, Faculty of Dental Medicine and Pharmacy, Ovidius University, Romania
- P097** Comparative functional analysis of ovate gene in the Solanaceous species
Gui, Bei, Wuhan Botanical Garden, China
- P098** Traditional home gardens in the forest zone in Cameroon, with special reference to the Dja biosphere Reserve
Betti, Jean Lagarde, Ministry of Forestry and Wildlife, Cameroon
- P099** Characterisation of transposable elements and other repeat sequences in the genome of *Epimedium* L. using FISH
Chen, Jianjun, Wuhan Botanical Garden, China
- P100** Diversity of *Prunus persica* (L.) Batsch
Cheng, Zhongping, Wuhan Botanical Garden, China
- P101** Chestnut Rose (*Rosa roxburghii* Tratt): a promising genetic resources for fruit and ornamental exploitation in China
Deng, Xiuxin, Huazhong Agricultural University, China
- P102** Protection and sustainable development on medicinal plant resources of Tsinghai-Tibet Plateau
Dong, Jing-zhou, Yangtze Normal University, China
- P103** Introduction of fruit-berry plants to the botanical garden
Chantsalnyam, Dovdon, Institute of Botany, Mongolian Academy of Sciences, Mongolia
- P104** Peculiarities of the growth and fruiting of a sea-buckthorn (*Hippophae rhamnoides* L.) as a medicinal crop in the Lower Amu-Darya
Dudkin, Georgy, The Botanic Garden of the Karakalpak Department of the Academy of Sciences of the Republic of Uzbekistan, Uzbekistan
- P105** Genetic resources of Saffron and allies (*Crocus* spp)
Fernandez, Jose-Antonio, University of Castilla-La Mancha (Spain), Spain
- P106** Studies regarding the biodiversity of ornamental plants in South Eastern Romania

Gavat, Corina, Fruit Research Station Constanta, Romania

- P107** Influence of the centuries-old evolution on the salinity-drought resistance of the Khorezm forms of apricot.
Grokhovatsky, Igor, The Botanical Garden of the Karakalpak Department of the Academy of Sciences of the Republic of Uzbekistan, Uzbekistan
- P108** Analysis of genetic relationships and diversity among mango cultivars and the relative species based on ISSR markers of nuclear DNA and chloroplast DNA
He, Xin-hua, Guangxi Crop Genetic Improvement and Biotechnology Lab, China
- P109** Chemical composition, antimicrobial activities and odor description of some essential oils with characteristic floral-rosy scent and of their principal aroma compounds
Jirovetz, Leopold, University of Vienna, Austria
- P110** Botanic gardens and community joint efforts: working together towards more sustainable production
Kintu Nkwanga, David, Nature Palace Botanical Garden, Uganda
- P111** Daylilies in the Russian Far East Flora as a source of new cultivars
Krestova, Irina, Botanical Garden-Institute, Russia
- P112** Development of ecotouristic activities in the Balkan Botanic Gardens of Kroussia and surrounding areas
Maloupa, Eleni, National Agricultural Research Foundation, Greece
- P113** Role of gardening in protection of biosphere
Mammadov, Tofiq, Mardakan Arboretum NAS of Azerbaijan, Azerbaijan
- P114** Alpine Botanical Garden of Campo Imperatore (Gran Sasso, Italy): conservation and sustainable use of *Artemisia petrosa* subsp. *eriantha*
Pace, Loretta, Giardino Alpino Campo Imperatore L'Aquila, Italy
- P115** Introduction of kinds of genus *Spiraea* L. in the Amur area (Russia)
Polyakova, Tatiana, 18 Relochny line Blagoveschensk 675000, Russia
- P116** Contributions to the knowledge of the endemic species in Southern Dobrudja and the possibilities of their being turned into account for decorative purposes
Rosca, Adrian Cosmin, Ovidius University, Constanta, Romania
- P117** Terpenoids from Iranian *Artemisia* species
Rustaiyan, Abdolhossein, I.A.University, Tehran, Iran
- P118** Conservation of cacti with the participation of local communities
Sánchez-Martínez, Emiliano, Jardín Botánico Regional de Cadereyta, México
- P119** Valorification of the therapeutic potential of green seaweeds from the aquatic basins of the Romanian seaside
Sirbu, Rodica, Faculty of Dental Medicine and Pharmacy, Ovidius University, Romania
- P120** LABPLANT: Hardy plants for Northern landscaping

Siuruainen, Mirja, University of Oulu, Botanical Gardens, Finland

- P121** The position and effect of the botanical garden in the modernization of Chinese Medicine
Sun, Chao, Guizhou Botanical Garden, China
- P122** Development and utilization of rare and endangered medical plants resources in Guizhou
Sun, Chao, Guizhou Botanical Garden, China
- P123** Medicinal and socio-economic plants: conservation and sustainable use
Xia, Bing, Institute of Botany, Jiangsu Province and Chinese Academy of Sciences, China
- P124** Effect of N, P, K on Rhizome Yield and Diosgenin Content of *Dioscorea zingiberensis* C.
H. Wright
Xia, Bing, Institute of Botany, Jiangsu Province and Chinese Academy of Sciences, China
- P126** Mining genes related to the secondary metabolism in *Lycium* in traditional Chinese
medicine
Zeng, Shao hua, Wuhan Botanical Garden, China
- P127** Taxonomy and sustainable utilization of *Epimedium* L.
Zhang, Hua-Feng, Wuhan Botanical Garden, China

**POSTER SESSION - THEME D: PROMOTING EDUCATION AND AWARENESS ABOUT
PLANT DIVERSITY**

Tuesday 16:00-18:00 April 17, 2007 (3rd Floor)

- P128** The educational program of Taiwan Botanical Gardens (TPBG)
Chiou, Wen-Liang, Taiwan Forestry Research Institute, China
- P129** Growing expertise: courses@kew.org.uk
Clubbe, Colin, Royal Botanic Gardens Kew, UK
- P130** Learning environmental issues at the botanic garden.
Faggi, Ana, Museo Argentino de Ciencias Naturales, Argentina
- P131** Garden in the North - A very educational experience
Hiltunen, Ritva, Botanical Gardens, University of Oulu, Finland
- P132** Shelf Life
Holland, Michael, Chelsea Physic Garden, London, UK
- P133** Back to the garden
Holland, Michael, Chelsea Physic Garden, London, UK
- P134** Arboretum Mlyňany SAS - its role in education and awareness
Hořka, Peter, Arboretum Mlyňany SAS, Slovak Republic
- P135** Botanical gardens-the important school of education for all-around development
Liu, Hai-sang, Xiamen Overseas Subtropical Plant Introduction Garden, China

- P136** Capacity building, conservation
Montiel, Olga Martha, Missouri Botanical Garden, USA
- P137** Atlantic Forest: research and environmental education
Rego, Juliana, Jardim Botânico da Fundação Zoo-Botânica de Belo Horizonte, Brazil
- P138** Integrating the GSPC into curriculum in the state of Virginia, USA to create sustainable public school campuses
Tomlinson, Keith , Meadowlark Botanical Gardens, USA
- P139** What is missing from this picture?
Willison, Julia, BGCI, UK
- P140** Extraction, separation and measurement of the thermal hysteresis activity of antifreeze proteins from *Ammopiptanthus nanus*
Yin, Linke, Turpan Eremophyte Botanic Garden, China

April 19 2007 Thursday
4 月 19 日 周四

POSTER SESSION - THEME B: CONSERVING PLANT DIVERSITY
Thursday 14:00-16:00 April 19, 2007 (3rd Floor)

- P064** Marimurtra Botanical Garden, in existence for more than 80 years
Membrives, Núria, Marimurtra Botanical Garden , Spain
- P065** Plant conservation
Montiel, Olga Martha, Missouri Botanical Garden, USA
- P066** Hope Botanic Gardens- contributing to Jamaican plant diversity
Morgan, Lois, Nature Preservation Foundation , Jamaica
- P067** Some results of cultivation and introduction of Peony species in Mongolia
Ochgerel, N, Institute of Botany, Mongolia
- P068** Conserving medicinal botanic gardens through participation: case study of Idena, Lagos, Nigeria
Ogundipe, Oluwatoyin, Department of Botany and Microbiology, University of Lagos , Nigeria
- P069** Japanese Botanical Gardens and their activities
Okajima, Tokutake, Higashiyama Botanical Gardens, Japan
- P070** Conservation program of rare and endangered plants in Heng Chun Tropical Botanical Garden (HCTBG)
Pan, Fuh-jiunn, Taiwan Forestry Research Institute, China

- P071** Population genetic structure of the medicinal plant *Vitex rotundifolia* in China: the implication for its utilization and conservation
Qin, Luping, Medicinal Botanic Garden, Second Military Medical University, Shanghai, China
- P072** Living collections and conservation
Rego, Juliana, Jardim Botânico da Fundação Zoo-Botânica de Belo Horizonte, Brazil
- P073** Conserving genetic resources in Argentina: The INTA Germplasm Bank Network
Sánchez, M. I., Instituto de Recursos Biológicos, CIR-CNIA, Buenos Aires, Argentina
- P074** Plant Tissue Culture a valuable technique for the conservation of endangered Mexican cactus species
Sánchez-Martínez, Emiliano, Jardín Botánico Regional de Cadereyta, México
- P075** BGCI — Conserving plants in a changing world
Sharrock, Suzanne, BGCI, UK
- P076** Biodiversity conservation strategies in Morocco
Taleb, Mohammed Sghir, Forest Research Center, Morocco
- P077** Rare species of plants of Russia in a collection of the Sakhalin Botanical Garden
Taran, Alexander, Sakhalin Botanical Garden, Russia
- P078** Crop Wild Relatives Global Portal
Thormann, Imke, Bioversity International, Italy
- P079** Crioconservation of *Petunia hybridis* and *Dyckia tuberosa* seeds
Tombolato, Antonio Fernando, Instituto Agronômico, Brazil
- P080** Global biodiversity of aquatic medicinal plants
Trofimova, Irina, Main Botanical Garden RAS, Russia
- P081** Research result of introduction of ornamental shrubs in the Institute of Botany Botanic Garden, Mongolia
Tserennadmid, P., Institute of Botany, Mongolia
- P082** Prague Botanical Gardens (PBG): history and current development
Vacek, Oldřich, Prague Botanic Garden, Czech Republic
- P083** Conservation of Talish flora and its display at the Azerbaijan Central Botanical Garden
Vahid, Farzaliyev, Central Botanical Garden, Azerbaijan
- P084** The Andean Project
Vincent, Patricia, Andean Project, Chile
- P085** Asteraceae in botanical gardens of Asian Russia
Vorobyeva, Anna, Amur Branch of Botanical Garden-Institute of FEB RAS, Russia
- P086** PlantSearch — BGCI's online database of plants in botanic gardens
Wyse Jackson, Diane, BGCI, UK

- P087** Garden Search — Your gateway to the world's botanic gardens
Wyse Jackson, Diane, BGCI, UK
- P088** Potential risk of hybridisation in *ex situ* collections of two endangered species of *Sinojackia* Hu (Styracaceae)
Yao, Xiao-Hong, Wuhan Botanical Garden, China
- P089** Studies on the relation between current global botanic gardens and plant diversity conservation
Yu, Hua, South China Botanic Gardens, China
- P091** The role of the botanical garden in enrichment of the cultural flora of northern region
Zainullina , Klaudiya , Institute of Biology of Komi of Scientific Centre of Ural branch of RAS, Russia
- P092** The research of Guizhou Botanical Garden to plant diversity conservation and sustainable utilization
Zhou, Hong-ying, Guizhou Botanical Garden, China
- P093** Botanical Garden of the Institute of Medicinal Plant Development
Zimian, Ding, Institute of Medicinal Plant Development, China
- P094** Umbellifers as potential keystone species in restoration
Zych, Marcin, Warsaw University Botanic Garden, Poland

General Information

大会相关信息

Congress Venue (会议地址)

Wuhan Science and Technology Conference and Exhibition Center (WSTCEC)

Address: 556, Luoyu Rd, Hongshan District, Wuchang, Wuhan, Hubei 430079 China

WSTCEC, is the Venue of the plenary sessions, parallel sessions, poster sessions, network meetings, and pre-congress workshops. The Congress Secretariat will be located here during the Congress.

武汉科技会展中心（湖北省武汉市武昌洪山区珞瑜路 556 号）

武汉科技会展中心是大会的学术交流的主要场所，包括主题发言、并行会议、区域网络会议、和会前专题讲座。同时也是大会秘书处的所在地。

Wuhan Botanical Garden, Chinese Academy of Sciences

Address: Wuhan Botanical Garden Road, Wushang, Wuhan

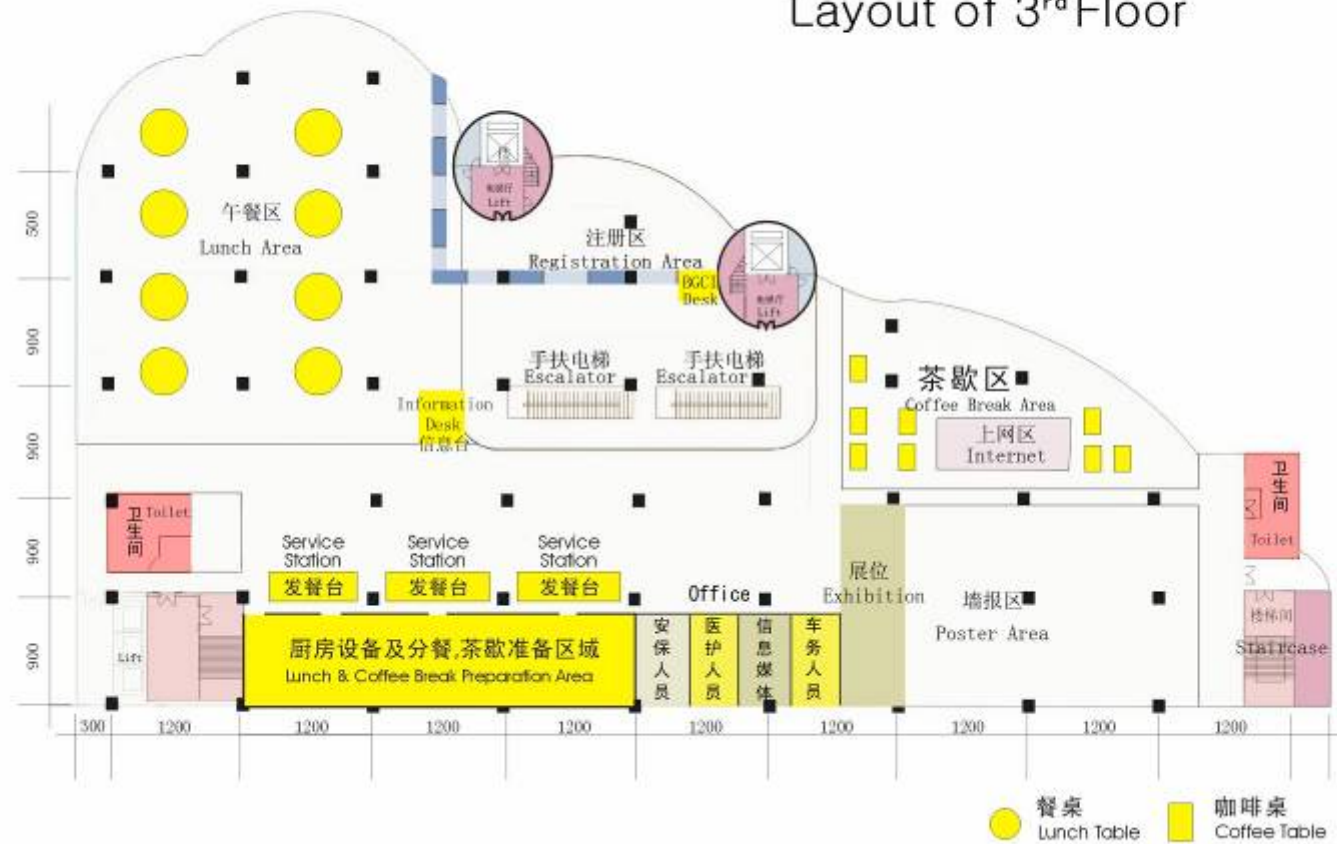
This will be the venue for the BGCI IAC meeting, Congress Reception, BGCI & WBG Anniversary Joint Celebration.

中国科学院武汉植物园（武汉市武昌区武汉市植物园路）

中科院武汉植物园是植物园保护国际的科学指导委员会会议、大会欢迎联谊会、植物园保护国际成立 20 年和武汉植物园成立 50 年的联合周年庆典的所在地。

会展中心三楼布局示意图

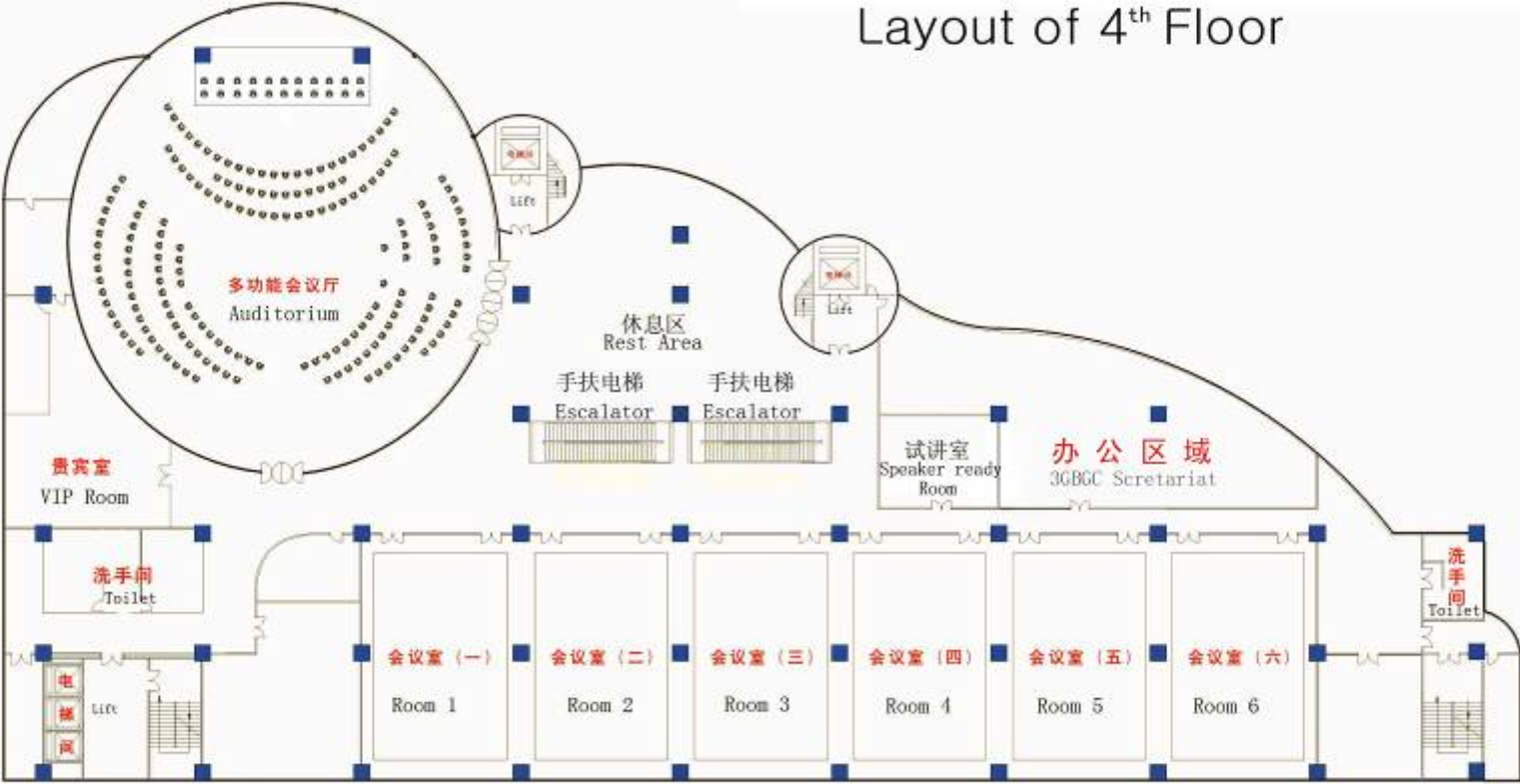
Layout of 3rd Floor



Note: Post service will be provided by China Post at the registration area. (注册区将提供邮局服务)

四楼会议区布局示意图

Layout of 4th Floor



中国科学院武汉植物园示意图

Sketch map to Wuhan Botanical Garden, CAS



Congress Transport (大会车辆安排)

The organizers will provide a bus service in the morning of April 15th, 16th, 17th, 19th, and 20th from the congress official hotels, except Lake View Garden Hotel, to the venue (WSTCEC), and in the afternoon from the venue to the hotels.

大会将于四月 15、16、17、19、20 日的早晨根据以下的时间安排从每个官方酒店到会场的接送车辆，下午安排从会场到各宾馆的接送服务。请住在湖滨花园酒店的参会代表步行到会场。

Departure time from the Congress hotels in the morning: (早晨官方酒店的发车时间)

Departure time 发车时间 (am)	Sunday 15th/周日	Monday 16th/周一	Tuesday 17th/周二	Thursday 19th/周四	Friday 20th/周五
Ramada Plaza Optics Valley Hotel 光谷华美达大酒店	8:40	8:40	8:40	8:40	8:40
Hong Yi Hotel 弘毅大酒店	8:20	8:20	8:20	8:20	8:20
White Rose Hotel 白玫瑰大酒店	8:20	8:20	8:20	8:20	8:20
Feng Yi Hotel 丰颐大酒店	8:30	8:30	8:30	8:30	8:30
Wuhan Binhu Hotel 滨湖大厦	8:20	8:20	8:20	8:20	8:20
Renaissance Wuhan Hotel 武汉光明万丽酒店	8:15	8:15	8:15	8:15	8:15
Zhuo Dao Quan Hotel 卓刀泉大厦	8:20	8:20	8:20	8:20	8:20

Return time from the venue to the Congress hotels: (从会场回酒店的安排)

Return time 返回时间	Sunday 15th/周日	Monday 16th/周一	Tuesday 17th/周二	Wednesday 18th/周三	Thursday 19th/周四	Friday 20th/周五
The venue (WSTCEC) 武汉科技会展中心	4:40pm To WBG 去 WBG 9pm To hotels 回宾馆	6:10pm To hotels 回宾馆	6:10pm To hotels 回宾馆	4:30pm To banquet 参加宴会 10:30pm To hotels 回宾馆	6:10pm To hotels 回宾馆	13:00pm To hotels 回宾馆

Note:

1. No bus service will be provided from Lake View Garden Hotel to the venue (WSTCEC). If special help is needed, please contact the information desk located on the 3rd floor in WSTCEC.

2. On April 18th, all delegates registered for the one-day tour will be picked up at the venue (WSTCEC) at 8:30am or each hotel. The pickup time at each hotel will be announced on the information board in each hotel lobby and/or the information desk in WSTCEC. After finishing the tour, buses will go directly to the banquet which will be held in Shangrila Hotel at Hankou. For those who are not going to the one-day tour, there will be a bus service leaving the venue (WSTCEC) at 4:30pm to the banquet.
3. Bus service will be provided after the reception and anniversary on April 15th and after the banquet on April 18th to all the official hotels.
4. Any changes to this arrangement will be announced at the information desk in the WSTCEC and in each hotel lobby.

注意事项:

1. 请住在湖滨花园酒店的参会代表步行到会场，如果有特殊需求，请联系位于武汉科技会展中心 3 楼的信息服务台。
2. 4 月 18 日参加全天观光的发车时间请见各官方酒店的大厅布告。不住官方酒店的各位代表可在 8:30 am 在武汉科技会展中心乘车。下午观光结束后，直接去汉口的香格里拉酒店。不参加全天观光的参会代表，请与下午 4:30pm 在武汉科技会展中心乘车去香格里拉酒店。
3. 4 月 15 日的欢迎联谊会和联合周年庆以及 4 月 18 日的晚宴后，大会将安排送每位参会代表到各官方酒店。

Accommodation

住宿

Ramada Plaza Optics Valley Hotel (光谷华美达大酒店)

Distance to WSTCEC: by bus#59,521,540: 5min/2RMB by taxi: 5min/4RMB

距武汉科技会展中心: 公交 59, 521, 540 次 2 元约 5 分钟, 出租车 4 元约 5 分钟

Address: NO.726 Luoyu Road, Wuchang District, Wuhan

地址: 武汉市武昌区珞瑜路 726 号

Tel: +86-27- 87806888 Fax:+86-027-87463306

Lake View Garden Hotel (湖滨花园酒店)

Distance to WSTCEC: walk: 3min

距武汉科技会展中心: 走路 3 分钟

Address: No. 115 Luoyu Road, Wuchang, Wuhan

地址: 武汉市武昌区珞瑜路 115 号

Tel: +86-27-8778288 Fax: +86-27-87448967

Hong Yi Hotel (弘毅大酒店)

Distance to WSTCEC: by bus#709: 20min/2RMB by taxi: 15min/20RMB

距武汉科技会展中心: 709 次公交 2 元约 20 分钟, 出租车约 20 元 15 分钟

Address: No.136 Donghu Road, Wuchang District, Wuhan

地址: 武汉市武昌区东胡路 136 号

Tel: +86-27- 67819888 Fax: +86-027-67819999

White Rose Hotel (白玫瑰大酒店)

Distance to WSTCEC: by bus#521:30min/2RMB by taxi: 20min/20RMB

距武汉科技会展中心: 521 次公交 2 元约 30 分钟, 出租车约 20 元 20 分钟

Address: No.788 Minzhu Road, Wuhan, china

地址: 武汉市武昌区民主路 788 号

Tel: +86-27-68876888 Fax: +86-027-68876000

New Seasky Hotel (好苑新海天大酒店)

Distance to WSTCEC: by bus#702,703,709,521: 30min/2RMB by taxi: 20min/25RMB

距武汉科技会展中心: 702、703、709 次公交 2 元约 30 分钟, 出租车约 20 元 15 分钟

Address: NO.30 Hongshan Road, Wuchang, Wuhan

地址: 武汉市武昌区洪山路 30 号

Tel: +86-27- 87138755 Fax: +86-027- 87138753

Feng Yi Hotel (丰颐大酒店)

Distance to WSTCEC: by bus#591: 20min/2RMB by taxi: 15min/25RMB

距武汉科技会展中心: 591 次公交 2 元约 20 分钟, 出租车约 25 元 15 分钟

Address: NO.336 Bayi Road, Wuchang, Wuhan

地址: 武汉市武昌区珞瑜路 115 号

Tel: +86-27-67811888 Fax: +86-027-67811214

Wuhan Binhu Hotel (滨湖大厦)

Distance to WSTCEC: by bus#709:25min/2RMB by taxi: 20min/30RMB

距武汉科技会展中心: 709 次公交 2 元约 25 分钟, 出租车约 30 元 20 分钟

Address: NO.325 Donghu Road, Wuchang, Wuhan

地址: 武汉市武昌区东湖路 325 号

Tel: +86-27-68892222 Fax: +86-027-86787440

Renaissance Wuhan Hotel (武汉光明万丽酒店)

Distance to WSTCEC: by bus: 45mins/ 2RMB by taxi: 20mins/30RMB

距武汉科技会展中心, 公交 2 元约 45 分钟, 出租车约 30 元 20 分钟

Address: 98 Xudong Avenue, Wuchang District, Wuhan

地址: 武汉市武昌区徐东大街 98 号

Tel:+86-27-86621388 Fax: +86-27-86621288

Zhuo Dao Quan Hotel (卓刀泉大厦)

Distance to WSTCEC: by taxi: 20mins/25RMB

距武汉科技会展中心, 出租车约 25 元 20 分钟

Address: No.1 Donghuqiao, Zhuodaoquan Road, Wuhan

地址: 武汉市武昌区东湖桥卓刀泉路 1 号

Tel:+86-27-87881888-5008 Fax: +86-27-87881079

Access and Hotel Map



- | | | |
|--|---------------------------------------|--------------------------------|
| ① Ramada Plaza Optics Valley Hotel
华美达光谷大酒店 | ② Lake View Garden Hotel
湖滨花园酒店 | ③ Fengyi Hotel
丰颐大酒店 |
| ④ White Rose Hotel
白玫瑰大酒店 | ⑤ New Seasky Hotel
新海天大酒店 | ⑥ Hong Yi Hotel
弘毅大酒店 |
| ⑦ Binhu Hotel
滨湖大酒店 | ⑧ Renaissance Wuhan Hotel
武汉光明万丽酒店 | ⑨ Zhuo Dao Quan Hotel
卓刀泉大厦 |

Special Events

社交活动

Reception Cocktail/ WBG & BGCI Joint Anniversary Celebration (Wuhan Botanical Garden)

All Delegates are warmly invited to the Reception Cocktail and WBG & BGCI Joint Anniversary Celebration at Wuhan Botanical Garden (Flower Piazza and Central Lawn) from 17:30-20:30 on Sunday April 15 if the weather permits. After the celebration ceremony, a buffet of Asian specialties will be provided, followed by a finale of half an hour's fireworks.

欢迎联谊会暨武汉植物园 50 周年与 BGCI 20 周年联合周年庆

时间：4 月 15 日（星期天）下午 5:30-8:30

地点：武汉植物园

内容：第三届世界植物园的欢迎联谊会将会在武汉植物园的花径广场开始。随后在中心草坪上进行武汉植物园 50 周年与 BGCI20 周年联合周年庆典。冷餐会晚宴将同时在中心草坪上进行。

Congress Banquet

The Congress banquet will be held in Shangrila Hotel at Hankou from 18:00-21:00, on April 18, 2007. All delegates attending the one-day tour will go directly to the banquet after the tour. Bus service to the banquet will be provided in the venue (WSTCEC) at 16:30 for those delegates who are not attending the one-day tour. A performance of first-class artists and acrobats will be given during the banquet by the invitation of the City Government of Wuhan

大会晚宴

时间：4 月 18 日（星期三）下午 6 点

地点：汉口香格里拉酒店

内容：参加 4 月 18 日的一日游的参会代表将在一日游结束后直接去参加大会晚宴。不参加一日游的代表可在武汉科技会展中心门前于 16:30 乘车去汉口的香格里拉酒店。晚宴结束后，武汉市政府为将大会奉上优美的歌舞和杂技表演。

Tours

会前和会后的参观行程

One-day Tour (一日游)

Date(时间): 4/18

Itinerary (景点): Wuhan Botanical Garden, Yellow Crane Tower, Hubei Provincial Museum
省博-黄鹤楼-武汉植物园

Professional Tour (专业参观):

Metasequoia Field Trip (利川水杉之乡游)

Date(时间): 4/13—4/15

Itinerary (景点): Metasequoia Type Locality - Metasequoia Valley - Soaring Dragon Cave
水杉王 - 水杉谷 - 腾龙洞 - 歌舞晚会

Three Gorges Dam - Shennongjia - Tree-planting (三峡大坝 - 神农架 - 植树)

Date(时间): 4/21—4/25

Itinerary (景点): Three Gorges Dam - Shennong Sacrificial Temple - Thousand years old Metasequoia Tree - Shennongjia Nature Reserve - Forest Park- Banbi Rock (Wild and remote area, alleged home to aboriginal man) - Evening Party - Tree-planting in the International Friendship Forest
三峡大坝 - 神农祭坛 - 千年杉王 - 神农架自然保护区 - 森林公园 - 板壁岩 (野人出没地) - 国际友谊林植树

Lushan Botanical Garden (庐山植物园)

Date(时间): 4/21—4/23

Itinerary (景点): Flower Path (the place for poem-singing of Libai, the saint of ancient Chinese poet) - Three Cascade Water - Immortal Cavern - Black Dragon Pool - Hanpo Valley - Lushan Botanical Garden
庐山植物园 - 花径 - 三叠泉 - 仙人洞 - 乌龙潭 - 含鄱口

Pre-Congress Tours (会前旅游):

Classic Gardens in Suzhou & Hangzhou (中国古典园林之旅 - 苏杭)

Date(时间): 4/11—4/15

Itinerary (景点): Huqiu (the biggest bonsai in Suzhou) - Humble Administrator Garden - Lion Grove Garden

- Silk Factory - Wuzhen (ancient town) - West Lake (boat trip) - Hangzhou Botanical Garden - Six Harmonies Temple - Tea Plantation - Lingyin Temple
虎丘（苏州最大的盆景园）- 网师园 - 拙政园 - 丝绸厂 - 水乡古镇同里 - 西湖 - 杭州植物园 - 六合塔 - 茶园

Beijing Attractions (北京一地游)

Date(时间): 4/11—4/15

Itinerary (景点): Forbidden City - Tiananmen Square - Temple of Heaven - Great Wall (chairlift) - Ming Tombs (Sacred Road included) - Summer Palace (boat trip included) - Beijing Botanical Garden - Beijing Opera - Yonghe Palace
故宫 - 天安门广场 - 天坛 - 长城（缆车） - 定陵（神路） - 颐和园（游湖） - 雍和宫 - 北京植物园 - 药用植物园

Post-Congress Tours (会后旅游):

Three Gorges Cruise (三峡上水)

Date(时间): 4/20—4/24

Itinerary (景点): Three Gorges - Three Gorges Dam
三峡大坝 - 三峡（神龙溪、石宝寨或丰都）

Beijing Attractions (北京一地游)

Date(时间): 4/21—4/25

Itinerary (景点): Forbidden City - Tiananmen Square - Temple of Heaven - Great Wall (chairlift) - Ming Tombs (Sacred Road included) - Summer Palace (boat trip included) - Beijing Botanical Garden - Beijing Opera - Yonghe Palace
故宫 - 天安门广场 - 天坛 - 长城（缆车） - 定陵（神路） - 颐和园（游湖） - 雍和宫 - 北京植物园 - 药用植物园

Kunming - Lijiang - Shangri-La (Zhongdian) (昆明 - 丽江 - 中甸)

Date(时间): 4/21—4/27

Itinerary (景点): Stone Forest - Longmenxishan - Daguanlou - Huating Temple - C First Bay on the Yangtze River - Heilong Pool - Maoniuping Jokul - Lijiang Old Town - Bita Lake - C Napa Lake - Gedansongzanlin Temple - Kunming Hort- Expo Garden
石林 - 龙门西山 - 大观楼 - 华亭寺 - 长江第一湾 - 黑龙潭 - 牦牛坪雪山 - 丽江古城 - 碧塔海 - 纳帕海 - 松赞林寺 - 世博园

Exhibitors

参展单位

BG-BASE INC

Contact person: Mr. Michael O'Neal
Address: PO Box 63, Topsham, ME 04086, USA
Tel: +1 (207) 729-5284 Fax: +1 (207) 729-5284
Email: bg-base@bg-base.com

Royal Botanic Garden Edinburgh

Contact person: Dr. David Rae
Address: 20a Inverleith Row, Edinburgh, Lothian EH3 5JF, United Kingdom
Tel: +44 0131 248 2954 Fax: +44 0131 248 2900
Email: d.rae@rbge.org.uk, r.oconnor@rbge.org.uk

RICHEL

RICHEL, a French company established over 40 years ago, is the premier European constructor of greenhouses for cultivation and the leading operator of garden centres on the French market.
Tel: +33(0)251561040 Fax: +33(0)251561344
Website: www.richel.fr

莱福兄弟温室制造公司 (Rough Brothers Inc.)

上海代表处:
Tel: + 86 21 62884599 Fax: + 86 21 62884566
昆山工厂:
Tel: + 86 512-57699118 Fax: + 86 512-57699128
Email: jessejia@roughbros.com
网址: www.roughbros.com

沧州温室制造厂 (Cangzhou Greenhouse Factory)

Tel: + 86-317-2031166, 2021691
Email: slgreenhouse@sina.com
网址: http://czwszcc.china315.com

北京南无科贸责任有限公司 (Beijing Nanwu Trading Company)

地址: 北京市海淀区复兴路 79 号综合楼
Tel: + 86-10-68242964 Fax: +86-10-88210218
Email: yangshuyan2000@163.com

北京阳光林苑园林工程有限公司 (Beijing Sunshine Gardening and Landscaping Company)

地址: 北京海淀区北京植物园北园内

Tel: 010-82597557

Email: bbg@bbggreen.com

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