



## e-NEWS No.2: May04

Dear Colleague,

Below you will find an update on the developments and activities of the Global Carbon Project, a joint effort of the new Earth System Science Partnership (ESSP) sponsored by IGBP, IHDP, WCRP, and Diversitas. The main goal of the GCP is to develop a comprehensive understanding of the carbon-climate-human system. For more information on the project, please, check:

<http://www.globalcarbonproject.org>

### 1. THE GLOBAL CARBON CYCLE: STATE-OF-THE-ART SYNTHESIS BOOK JUST PUBLISHED

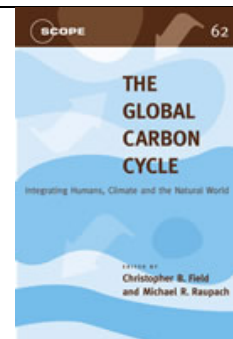
A synthesis book on the global carbon cycle was published this past April by Island Press. The book is the result of a rapid assessment developed by SCOPE and the GCP, and it represents the most extensive and authoritative synthesis that exists to date on the global carbon cycle, and its interactions with human activities and the climate system.

Field C, Raupach M, Eds. (2004) *The Global Carbon Cycle: Integrating Humans, Climate and the Natural World*. Island Press, Washington D.C.

See below two links for the book outline and the publisher.

<http://www.icsu-scope.org/downloadpubs/scope62/62contents.htm>

<http://www.islandpress.org/books/detail.html?cart=108381253778943&SKU=1-55963-527-4>



### 2. GCP OPENS AN INTERNATIONAL PROJECT OFFICE IN JAPAN

A second GCP International Project Office was open in Tsukuba last April. The office is hosted by the National Institute of Environmental Studies. Dr. Penelope Canan, a sociology professor at the University of Denver, Colorado, is the executive director of the new office. She is joined by Melanie Hartman (researcher), Harumi Kato (journalist), and Yukako Ojima (secretary). Her contact information is: Centre for Global Environment Research; National Institute of Environmental Studies (NIES) 16-2 Onogawa, Tsukuba, 305-8506; Japan; **Tel:** 81-298-50-2672; **Fax:** 81-298-50-2960; Email: [penelope.canan@nies.go.jp](mailto:penelope.canan@nies.go.jp). Check the article "Launching the Tsukuba International Project Office" at [www.globalcarbonproject.org/News.htm](http://www.globalcarbonproject.org/News.htm)

### 3. CAN CITIES REDUCE GLOBAL WARMING?

The Inter-America Institute on Global Change (IAI) is supporting a project on urban development and carbon entitled: "Urban development and the carbon cycle in Latin America". The project is contributing to the development of the GCP global network on "urban and carbon" along with a second project sponsored by the Asian Pacific Network (APN). The initial IAI meeting is scheduled for 27-29 May 2004, in Mexico City. The project is initially made up of three case studies: Santiago (Chile), Mexico City (Mexico) and Buenos Aires (Argentina). For more information, contact Patricia Romero [[rolp7543@cueyatl.uam.mx](mailto:rolp7543@cueyatl.uam.mx)] or visit <http://www.globalcarbonproject.org/Meetings.htm>

### 4. INTEGRATING CARBON MANAGEMENT INTO THE DEVELOPMENT STRATEGIES OF CITIES

A Web Conference will take place between 7 June and 10 July 2004 to discuss the effects of urbanization and urban transformations on carbon stocks and fluxes. Please, contact Jesse Manuta [[jesse@sea-user.org](mailto:jesse@sea-user.org)] or visit: [http://www.sea-user.org/news-detail.php?news\\_id=1143](http://www.sea-user.org/news-detail.php?news_id=1143) if you would like to participate.

### 5. DYNAMICS OF THE COUPLED CARBON-CLIMATE-HUMAN SYSTEM

The GCP is organizing a session on the "Dynamics of the Coupled Carbon Climate Human System" at the 1<sup>st</sup> Annual Meeting of the Asia Oceania Geosciences Society (AOGS) in Singapore, the first week in





GCP International Project Offices at:  
 Pep Canadell: [pep.canadell@csiro.au](mailto:pep.canadell@csiro.au)  
 CSIRO Division of Atmospheric Research,  
 Canberra, Australia  
 Penelope Canan: [penelope.canan@nies.go.jp](mailto:penelope.canan@nies.go.jp)  
 National Institute of Environmental Studies,  
 Tsukuba, Japan  
<http://www.globalcarbonproject.org>

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July 2004. The session welcomes presentations that treats in terms of models the connections between climate, carbon, and humans, either with one or more exogenous or fully coupled as a dynamic system.

If you are interested in submitting a poster or an oral presentation, please contact:

Bob Dickinson, chair of the session [[robtcd@eas.gatech.edu](mailto:robtcd@eas.gatech.edu)]. For more information:

<http://www.asiaoceania.org/proposals/bg/bg2.htm>

### 6. MODEL-DATA FUSION RESEARCH AGENDA

The workshop report on "Terrestrial carbon observations and data assimilation" is now available with a set of recommendations for IGOS-P, CEOS, GTOS, TCO, data providers, and the scientific community.

The report can be downloaded from <http://www.fao.org/gtos/TCO.html>. The meeting was organized by TCO and the GCP last July in Sheffield, UK.

The European Space Agency is also supporting the implementation of the GCP through funding via IGBP, particularly on aspects of model-data assimilation. A new workshop focusing on optimization processes for data assimilation is being prepared. The meeting will take place later this year in Australia.

For more information: Mike Raupach [[michael.raupach@csiro.au](mailto:michael.raupach@csiro.au)]

### 7. ATMOSPHERIC TRACE TRANSPORT MODEL INTERCOMPARISON

The Atmospheric Trace Transport Model Intercomparison Project (TransCom) is entering a new phase supported by the GCP. The first meeting will take place in Tsukuba, Japan, 14-18 June 2004.

For more information: Shoichi Taguchi [[s.taguchi@aist.go.jp](mailto:s.taguchi@aist.go.jp)] or visit <http://staff.aist.go.jp/s.taguchi>

### 8. REGIONAL CARBON BUDGETS: FROM METHODOLOGIES TO QUANTIFICATION

A workshop on the topic is being prepared with two goals: (i) to compare carbon budget approaches at the national and regional level, and (ii) to compile a global carbon budget from bottom up measurements.

The meeting will take place in Beijing late this year. Contact: Pep Canadell [[pep.canadell@csiro.au](mailto:pep.canadell@csiro.au)].

### 9. CONTACT THE GCP

For further information on activities and products of the GCP, please visit the GCP website. If you would like to get involved in any of the activities or propose new activities, please contact:

[pep.canadell@csiro.au](mailto:pep.canadell@csiro.au) and [penelope.canan@nies.go.jp](mailto:penelope.canan@nies.go.jp)



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