



## Geoscape Map Series

The Geoscape map series is an example of a type of product that the MAP:GAC project might produce. This series of maps provides an understanding of geoscience issues and promotes wise land use: protecting vital resources, avoiding hazards, and reducing the risk of hazards that cannot be avoided. It is here that geologists, geographers, and engineers can come together and make their contribution to the community. The liveability of an area will, in part, depend on how well we incorporate geological knowledge into our land-use decisions.

## MAP:GAC Project Design Phase

Due to unforeseen logistical obstacles the visits of the Canadian MAP:GAC Project Development Team (PDT) (Dr. Catherine Hickson, Dr. Mark Stasiuk, Mr. Mike Ellerbeck) have been postponed. Please review the calendar "MAP:GAC: Revised Project Development Schedule" on page two to see the new itinerary. Please note that during the Project Design Phase, costs related to travel, lodging, per diems of the PDT will be covered by CIDA. Also, for participants attending the first and second meetings (November in Uruguay, and February in Chile), each country is responsible for the costs of travel, lodging, and per diems of its respective representatives. These costs cannot be covered by the project.

In order to maximize the effectiveness of the first two

MAP:GAC meetings it is recommended that each country send at least two representatives: One should be a senior official of the Geological Survey (ie. Vice Minister, Director, Sub-Director), and the other should be a senior scientist of the Geological Survey (preferably someone involved in Geological Hazard work) who may become the Project Leader or Coordinator.

## Information Required from the Countries

We have received answers from all countries to the questionnaire that appeared in our July newsletter. This questionnaire is indispensable in the preparation of the Project Design Report and Work Plan that will be submitted to CIDA.

## First MAP:GAC Teleconference

The first MAP:GAC teleconference took place on September 20th, 2001 (despite phone line troubles early on in the call) with project representatives from Argentina, Bolivia, Colombia,

Chile, Peru and Venezuela. It was not possible to link to Ecuador so they were called afterwards and brought up to date on the outcome of the conference call. This first meeting took place to communicate to the project members:

- **Project Status:** CIDA approval of the concept paper and project design stage.
- **First Meeting:** Friday, November 16<sup>th</sup>, 2001, during the XI Latinoamerican Geological Congress in Montevideo, Uruguay.
- **Second Meeting:** First week of February 2002 in Santiago, Chile.
- **MOU:** Signing of Memorandum of Understanding between the country and Canada during the CAMMA ("Conferencia Anual de Ministerios de Minería de las Americas") meeting in Santo Domingo, Dominican Republic.
- **Country visits:** Dr. Catherine Hickson, Dr. Mark Stasiuk and Mr. Mike Ellerbeck will visit each member country for 3 to 5 days starting in October thru January 2002 (see calendar).
- **Seminar:** Hickson stated that Chile will conduct a Seminar in October called: Early Warning: Model for the New Millennium for Disaster Prevention. For more information please contact Dr. Alberto Maturana at: [amaturan@entelchile.net](mailto:amaturan@entelchile.net)

## Agenda Items for Uruguay Meetings

The following Agenda items have been proposed for the first MAP:GAC meeting to take place in parallel with the XI Latin American Geological Congress in Montevideo Uruguay from the 12<sup>th</sup> to the 16<sup>th</sup> of November, 2001:

- Introduction
- Country Work Plans
- Proposal Process
- Time Line
- Country Obligations
- Budgets

# MAP:GAC Revised Project Development Schedule

## October 2001

Sun	Mon	Tue	Wed	Thu	Fri	Sat
30	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
Seminars: Early Warning Disaster Prevention in Chile		Hickson/Ellerbeck/Stasiuk Argentina				
Draft Project Design Report and Work Plan to countries for review						

## November 2001

Sun	Mon	Tue	Wed	Thu	Fri	Sat
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
XI Geological Congress Montevideo, Uruguay						
MOU Signing Dominican Republic		Hickson/Ellerbeck Ecuador/Colombia		First Meeting of MAP:GAC members in Montevideo Uruguay		
Hickson/Ellerbeck/Stasiuk Ecuador/Colombia/Venezuela						

## December 2001

Sun	Mon	Tue	Wed	Thu	Fri	Sat
25	26	27	28	29	30	1
Hickson/Ellerbeck/Stasiuk Ecuador/Colombia/Venezuela						
Hickson/Ellerbeck/Stasiuk Ecuador/Colombia/Venezuela						
Hickson/Ellerbeck/Stasiuk Perú						
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

## January 2002

Sun	Mon	Tue	Wed	Thu	Fri	Sat
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
Hickson/Ellerbeck/Stasiuk Bolivia						
Hickson/Ellerbeck/Stasiuk Chile						

## February 2002

Sun	Mon	Tue	Wed	Thu	Fri	Sat
27	28	29	30	31	1	2
3	4	5	6	7	8	9
Second meeting of MAP:GAC members						
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	1	2

## MAP:GAC Contacts and Members

### ARGENTINA

Lic. José Mendía, Project Leader  
Dr. Eduardo Zappettini, National Coordinator  
Lic. Omar Lapido, Geological risks

### SEGEMAR

Julio A. Roca 651, Piso 10  
Buenos Aires  
Argentina  
Tel. (54-11) 4349-3131

### BOLIVIA

Ing. Marcelo Claire, National Director  
Ing. Carlos Riera Kilibarda, Project Leader  
Ing. Miguel Blacutt Gonzales, Project Coordinator

### SERGEOMIN

Federico Zuazo #1673  
La Paz  
Bolivia  
Tel. (591-2) 322022

### CHILE

Ing. Ricardo Troncoso San Martín, National Director  
Dr. José Frutos Jara, National Subdirector  
Geo. José Antonio Naranjo, Project leader  
Geo. José Luis Antinao, Project Coordinator

### SERNAGEOMIN

Av. Sta. María 0104, Casilla 10465  
Santiago  
Chile  
Tel. (56-2) 737-5050

### COLOMBIA

Dr. Fernando Muñoz Carmona, Project Leader

Ing. María Luisa Bermudez, Project Contact  
Ing. Fernando Ramírez, Project Contact  
Ing. Marta Lucía Calvache, Project Contact

### INGEOMINAS

Diagonal 53 N# 34-53  
Bogota  
Colombia  
Tel. (58-1) 220-0107

### ECUADOR

Dr. Jaime Jarrín J., National Director  
Ing. Juan Sosa, Project Coordinator  
Ing. Aracely Lima, Project Contact

### Ministerio de Energía y Minas

Baquedano 222 y reina Victoria  
Ed. Araucaria, piso 2  
Quito  
Ecuador  
Tel. (5932) 540-279

### PERU

Ing. Romulo Mucho Mamani, President of INGENMET  
Ing. Hugo Rivera Mantilla, Executive Director  
Ing. Antonio Guzman Martínez, Project Leader

### INGEMMET

Av. Canada #1470  
San Borja, AP889  
Lima  
Perú  
Tel. (511) 224-2963

### VENEZUELA

Dr. Zonia Osorio de Fernández, President

### INGEOMIN

Avenida Lecuna, Parque Central  
Torre Oeste, Piso 8  
Caracas  
Venezuela  
Tel (58-2) 507-5246



## Proposed New Project Logo

A slight change to the MAP project logo will reflect the new project members. The map areas representing Colombia, Ecuador and Venezuela has been filled in pink, yellow and orange respectively. Any comments or suggestions please email Otto Krauth at: okrauth@nrca.gc.ca

For further MAP:GAC information please consult the project Web page at:

<http://www.pma-map.com/gac/>

Newsletter produced by MAP administrative staff:

- Mike Ellerbeck
- Mark Stasiuk
- Otto Krauth

and supervised by MAP Project Manager Dr. Catherine Hickson

GSC Vancouver  
#101 - 605 Robson Street  
Vancouver, BC, Canada  
V6B 5J3

Tel: (604) 666-0183  
Fax: (604) 666-7507

Email: map@pma-map.com



Natural Resources  
Canada

Ressources naturelles  
Canada