



G@GPS – 1st Coordination Meeting

Date and Time: Sunday, September 16, 2012, 12:00 to 3:00 pm, at the 39th IAH Congress in Niagara Falls, Canada: <http://www.iah2012.org/index.php>

Venue: Sheraton on the Falls Conference Center, Niagara Falls, Niagara Falls, Canada
<http://www.sheratononthefalls.com/>

Meeting Room: Upper Fallsviews A on the 5th floor of the Sheraton

Online hotel room reservations: http://www.iah2012.org/conference_centre.php

Questions: Meeting organizer – Jason Gurdak (jgurdak@sfsu.edu)

G@GPS coordinators – Dioni I. Cendón¹, Jianyao Chen², Jason J. Gurdak³, Sylvi Haldorsen⁴, Martine van der Ploeg⁵, Holger Treidel⁶,

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OVERVIEW of G@GPS

The **G@GPS** (**G**roundwater@**G**lobal **P**alaeoclimate **S**ignals) initiative came together during the last INQUA2011-conference in Bern (Switzerland) with the mission of helping the palaeogroundwater research community by:

- 1) Coordinating activities with the aim of investigating links between palaeoclimate archives and paleogroundwater observations.
- 2) Coordinating funding applications.
- 3) Organizing workshops, meetings for all interested researchers to present/discuss their work.
- 4) Organizing courses to help future and early career researchers to develop their skills.

G@GPS is an inclusive group of scientists coordinating palaeogroundwater research. The aim is to interpret links between palaeoclimate archives and paleogroundwater observations at continental and intercontinental scales. Understanding the responses of groundwater to past, present and future climates is vital to manage limited groundwater resources. The palaeoclimatic signals potentially obtained from groundwater are of low temporal resolution; however, they can offer an integrated signal from vast geographical areas. This information is key in understanding long term evolution of major aquifer systems.

MEETING AGENDA – Sunday, September 16, 2012

Opening Remarks and Overview (12:00 – 12:15)

- 12:00–12:05 Opening Remarks and Introductions (Jason Gurdak)
12:05–12:15 Overview of G@GPS (Dioni Cendón)
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Flag Basin Talks (12:15–1:45)

- Each talk should be about 12 minutes with 3 minutes for questions
 - Brief overview of study area, prior work, available data/papers, knowledge gaps, etc
 - Discuss how work on the basin complements and expands on G@GPS's Mission
- 12:15–12:30 Africa flag basin – North West Sahara aquifer system (NWSAS) (Kamel Zouari)
12:30–12:45 America (North America) flag basin – High Plains aquifer (Jason Gurdak)
12:45–1:00 Asia flag basin – The North China Plains aquifer (Jianyao Chen)
1:00–1:15 Oceania flag basin – Great Artesian Basin (Jianyao Chen)
1:15–1:30 Europe flag basin – The Baltic Artesian Basin (Rein Vaikmae)
1:30–1:45 Other basins, with examples from Australia (Dioni Cendón)
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Open Discussions – G@GPS The Way Forward (1:45 pm – 2:45 pm) (Discussion leaders in parentheses)

- 1:45–2:15 Mission/Goals/Objectives of G@GPS (Dioni Cendón and Jianyao Chen)
- Establish work teams
 - Begin planning the publishing of coordinated papers
 - Funding opportunities (current/potential)
 - Other topics?
- 2:15–2:30 Future Seminars, Workshops, Training Courses
- Announcement: 2nd G@GPS meeting 2013 – Mozambique
 - Announcement: G@GPS session at EGU General Assembly 2013
 - Others?
- 2:30–2:45 Communication (Jason Gurdak):
- Web site
 - Newsletter
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Wrap Up (2:45 – 3:00 pm) (Jason Gurdak)

- Summarize Next Steps
- Review Action Items
- Concluding Remarks

Meeting Adjourn – 3:00 pm

Additional notes about the G@GPS meeting and other related activities:

- Because only coffee and light snack will be available during our G@GPS meeting, we encourage participants to have their own lunch prior to the start of the meeting.
- 3:00-6:00 pm UNESCO Groundwater Resource Assessment Under the Pressures of Humanity and Climate Change (GRAPHIC) Meeting, organized by Holger Treidel. Same room as G@GPS meeting.
- 6:00 pm IAH Congress Icebreaker reception.
- TBD G@GPS Group Dinner – restaurant TBD inside the Sheraton on the Falls.
- Monday (9/17) and Tuesday (9/18) evenings: meeting rooms are available after the last Congress sessions if additional G@GPS discussions are needed. TBD.