

## The work of Center for Geophysics: from WDC to WDS

Fenglin PENG<sup>1,2</sup>, Maining MA<sup>3</sup>, Yunfei ZHANG<sup>2</sup>, & Yulin PENG<sup>2</sup>

<sup>1</sup>Institute of Geology and Geophysics, Chinese Academy of Sciences, P.O.Box 9825, Beijing, 100029, P.R.China, e-mail: pengf@geophys.cn

<sup>2</sup>Center for Geophysics, World Data System, P.O.Box 9825, Beijing, 100029, P.R.China

<sup>3</sup>Earth Science College, Graduate University of Chinese Academy of Sciences

After last CODATA conference in 2008, The WDC system and FAGS started their transition to WDS. In this period, our center have been doing some work in geophysical informatics and data science. We give a brief introduction in this paper to these work from eGY and during the period from WDC to WDS, such as the data visualization on geophysics and the virtual platform construction. The virtual platform for Geophysics (<http://www.geophys.cn>) and concerted work environment platform for virtual organization on geophysics (<http://e.geophys.cn> & <http://vp.geophys.cn>) were included in the whole platform. By the corporation with the information committee of Chinese Geophysical Society and the Computer Network & Information Center, Chinese Academy of Sciences, we also have organized a e-science salon on Earth-planet-space physics and chemistry. Many scientists and graduate students on geophysics, geology, astrophysics, space physics and information science/technology have joined this series forum actively. We are also taking part in the construction of a national data-sharing platform for geosciences. Some consideration about the future function of new center in WDS is also discussed in this paper.

### **For:**

**ICSU WDS Sessions at the 22nd CODATA International Conference, 24-27th October 2010, Cape Town - South Africa**

Theme for ICSU WDS Track: **Challenging issues for the ICSU WDS**

1. Session **Title: Persistent data archives, data publication, authorship and scientific recognition**

**Session Chairs:** Michael Diepenbroek and Michael Zgurovsky. The session could be capped by a panel discussion. Panel: Diepenbroek, Zgurovsky, Parsons, Minster

---

Or:

3. Session **WDS: a disciplined or un-disciplined initiative?**

Panel: Genova, Nielan, Horta, (others?)

**Session Chairs:** Francoise Genova and Ruth Neilan.