Recent GETG-related activities at FMI

Ari Viljanen

(Risto Pirjola)

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GETG Meeting, Brussels

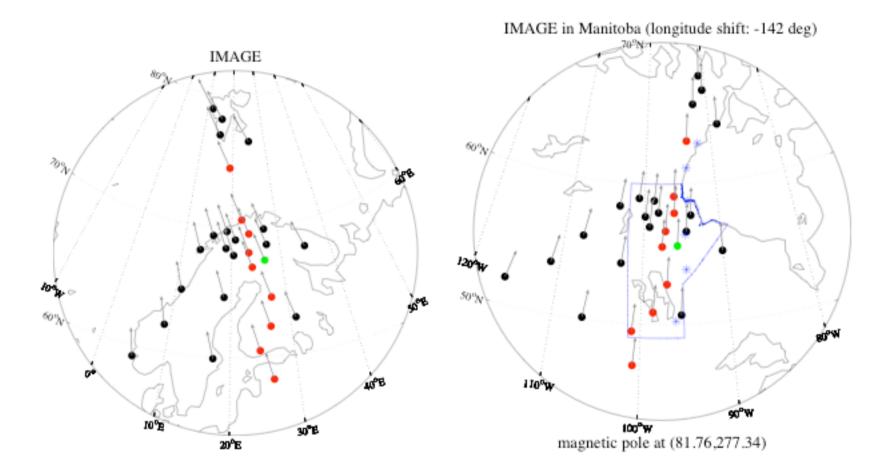
November 8, 2007

* Science

- Published: Optimal GIC modelling (conducted by *Antti Pulkkinen*)
- Published: GIC in Brazil (with Brazilian colleagues)
- Published: Effect of overhead shield wires on GIC (Risto Pirjola)
- To be published soon: Sensitivity of GIC to changes of earthing resistances (*Risto Pirjola*)
- Submitted: Simulation of GIC in the southern Swedish power grid (Magnus Wik et al.)
- Ongoing: Solar wind drivers of large GIC during the solar cycle 23 (Finnish postdocs in USA & FMI scientists) (*Emilia Huttunen et al.*)
- Just started: Assessment of the occurrence of large geomagnetically induced currents in Europe based on dB/dt (MSc thesis / Esko Arajärvi)
- Collaboration with NRCan (Canada) and IRF-Lund (Sweden)
- Contributions to the COST-724 Final Report

- * GIC services
- GIC Now! continues (public & Gasum)
- Manitoba Hydro study in 2007-2008
- * Other
- -COST-724/STSM of Allan McKay to FMI in May-June 2007
- -Magnus Wik visited FMI at the same time.

Manitoba Hydro project



Objective: statistical estimation of GIC in the Manitoba high-voltage power system.