GRAPE

“GNSS Research and Application for Polar Environment”

A joint PSG and GSG Expert Group

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Deputy Chief Officer: Nicolas Bergeot, Royal Observatory of Belgium

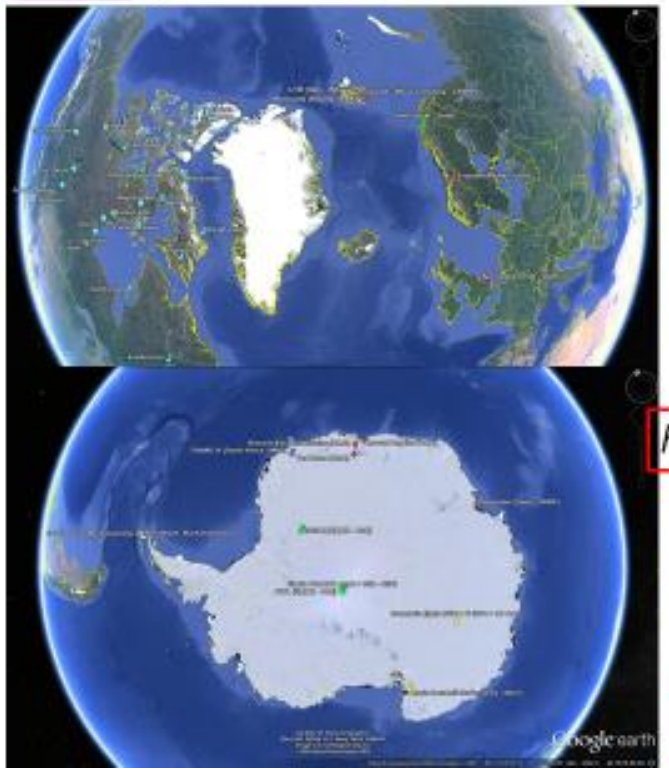
GRAPE on-line workshop, 1-3 July 2020

GRAPE (a joint SCAR PS and GS expert group) main objective: intensify the **international efforts** to build and coordinate a robust network of collaborations able to **answer a variety of Weather and Space Weather related needs at bi-polar lat** through ad hoc **data sharing and models development, aiming to support science hot topics and applications impacted by the neutral/ionized atmosphere.**

NETWORK AND DATA

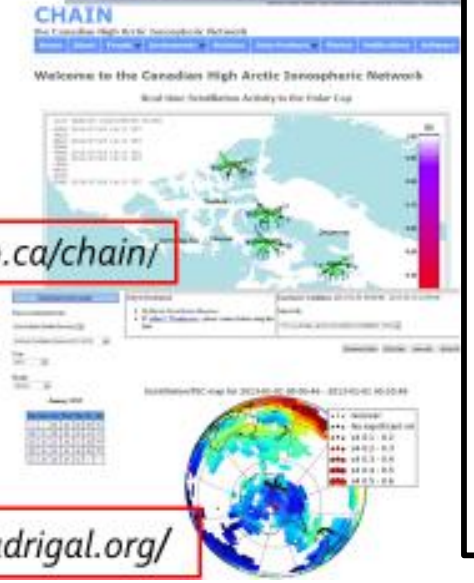
VISIT WWW.GRAPE.SCAR.ORG

GNSS network – Northern and Southern Hemisphere



www.eswua.ingv.it

http://chain.physics.unb.ca/chain/



http://cedar.openmadrigal.org/

GRAPE 2012-2020 ACTIVITIES

- **Publications** (full list at www.grape.scar.org) and a **special issue (https://doi.org/10.4401/ag-6366)**
- **Scientific sessions at Conferences & Workshops: SCAR OSC 2012-2020, URSI (International Union of Radio Science), BSS (Beacon Satellite Symposium)**
- **Training and capacity building:**

  25 PhD students from:

  EUROPE, ASIA, AFRICA, S. AMERICA

- **Support ECRs & Countries with *developing Antarctic Program***

- **Dissemination & Communication**
- **Interaction with the SCAR board (*PS and GS officers*), with the URSI board (www.URSI.org, particularly with Commissions G, H, F, J).**

MODENA (IT), 2010

DAVOS (CH), 2018

GRAPE
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THANKS