



Support of Canadian SMAP Science and Applications by the CSA

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Origins in Hydros

CSA was prepared to contribute significant elements to Hydros:

- Several hardware contributions to spacecraft
- Data processing capability
- Canadian Science Team support

When SMAP was initiated, CSA was unable to define and commit to new space segment contributions in a timely manner.

Strong Canadian interest in SMAP science, and requests from EC and AAFC, led us to establish a NASA-CSA Implementing Arrangement regarding Canadian SMAP activities.



CSA support of Canadian SMAP Science



Sun-Earth System Sciences supported EC in coordinating development of the Canadian SMAP Science Plan (2009-2012).
(thank you, Stéphane Bélair)

GRIP (Government Related Initiatives Program) investing with AAFC and EC in activities related to validation and use of SMOS and preparation for SMAP (2008-present).

SESS supporting 5 universities in pre-launch validation campaigns, algorithm development and science in preparation for SMAP: strong collaboration with EC and AAFC.

Bravo for CanEx-SM10 and SMAPVEX12 !





Next

SESS grants to universities (2 year duration) now starting second year. Need to discuss renewal.

Continue to explore synergy with other missions, i.e., RCM, SWOT.

Outreach and applications by others.

Seriously examine how Canadian SMAP science may enhance the work to be done as part of the Arctic Boreal Vulnerability Experiment (ABOVE).

