Towards a new Canadian weather radar network and the roll-out of modern operational radar products for end-users

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The Canadian Weather Radar Replacement Program (CWRRP) is a seven-year infrastructure project that is intended to replace MSC’s (Meteorological Service of Canada) existing network of aging and, in some cases, obsolete weather radars with modern S-Band Dual-Polarized radars. This project is entering a crucial phase as the first five (5) radar has recently been installed, with products already available to the public and other users. The real-time delivery of data from these new radars, both internally and externally, is ensured by the Operational Radar Production team of the Canadian Meteorological Centre (CMC) Operations Division of MSC (Environment and Climate Change Canada).

In this presentation, we will provide an overview of the radar renewal project, including a discussion of preliminary plans for the generation and operational deployment of products to the end-users. The tools used for this deployment, as well as various examples of new radar products that will soon become available will also be presented.

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