All sources are digital and online, and have been accessed in 2016 and early 2017, unless date specified. Courtesy of all data providers.

UPPER LEFT CORNER: FRONT COVER - PHOTO AND GLOBE
Part of Skigarden. Photo by Stein Tronstad, 2014.


Basemap data from Natural Earth (http://www.naturalearthdata.com/) and SCAR Antarctic Digital Database (ADD), version 7.0 (http://add.scar.org/), to which the Norwegian Polar Institute (NPI) has contributed Dronning Maud Land map data.

UPPER EDGE: 3D ILLUSTRATION
Place names are selected from NPI place names database (http://placenames.npolar.no/) and SCAR Composite Gazetteer Antarctica database (https://data.aad.gov.au/aadc/gaz/scar/), to which the Norwegian names are contributed.


The basemap data are derived from SCAR ADD database, except the exposed ice, which is extracted in-house by visual interpretation of U.S. Geological Survey (USGS) Landsat Image Mosaic of Antarctica (LIMA) (http://lima.usgs.gov/).


CENTRE: MAIN MAP
Place names are selected from NPI place names database, and secondary from SCAR gazetteer. For the British (west) and Australian (east) claims, place names approved by the respective authorities have been selected from SCAR gazetteer.

The facilities presentation is based mainly on COMNAP spreadsheet.
Elevation points are mainly collected from NPI 1:250 000 map sheets in Dronning Maud Land. A few heights are derived from USGS provided Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) Global Digital Elevation Model (GDEM) Version 2 (http://gdex.cr.usgs.gov/gdex/).

Ice shelf edges are from SCAR ADD database, with updates digitized in-house from USGS / National Aeronautics and Space Administration (NASA) Landsat 8 imagery mainly of 2016, available at https://earthexplorer.usgs.gov/.


Grounding lines within Dronning Maud Land are extracted from Depoorter, Mathieu A; Bamber, Jonathan L; Griggs, Jennifer; Lenaerts, Jan T M; Lijtgenberg, Stefan R M; van den Broeke, Michiel R; Moholdt, Geir (2013): Antarctic masks (ice-shelves, ice-sheet, and islands), link to shape file. doi:10.1594/PANGAEA.819147

Bare land data and moraines are extracted from the NPI geology database.

Ice shelf edges, ice rises, grounding lines, bare land and moraines outside Dronning Maud Land are derived from SCAR database.

Lakes are from SCAR ADD database.

The exposed ice presentation originates from interpretation of USGS LIMA product.

Hill shade and elevation contours have been generated based on three DEMs: Helm, V., Humbert, A., and Miller, H.: "Elevation and elevation change of Greenland and Antarctica derived from CryoSat-2", The Cryosphere, 8, 1539-1559, doi:10.5194/tc-8-1539-2014, 2014; RAMP2; and ASTER GDEM. The hill shade is exaggerated and made transparent.


LOWER LEFT/RIGHT CORNERS: SATELLITE IMAGE MAPS

Place names from NPI place names database.

Facilities are plotted from COMNAP dataset.

Satellite imagery are prepared from USGS/NASA Landsat 8 scenes.

LOWER LEFT CORNER: FLOW SPEED MAP

Ice shelves and coastlines are derived from SCAR ADD database.


The outline of mainland Norway for comparison is based on Natural Earth data.

LOWER RIGHT CORNER: BED ELEVATION MAP
Ice shelves and coastlines are derived from SCAR ADD database.


BACK SIDE: PLACE NAME INDEX
Place names are derived from NPI (Norwegian entries) and SCAR (non-Norwegian entries) gazetteers.

BACK SIDE: DRONNING MAUD LAND
Basemap data are derived from SCAR ADD database.

BACK SIDE: ANTARCTICA
Facilities are derived from COMNAP spreadsheet.
Basemap data are derived from SCAR ADD database.