

Antarctic RINGS:

Characterizing the ice-sheet margin all around Antarctica



<https://www.scar.org/science/rings/home/>

SCAR Action Group RINGS to develop international collaboration

Primary target:

Complete reference topography of the ice sheet margin for robust assessment of ice discharge and mass balance

Three RINGS:

Primary: Constraining current ice sheet change and grounding zone processes

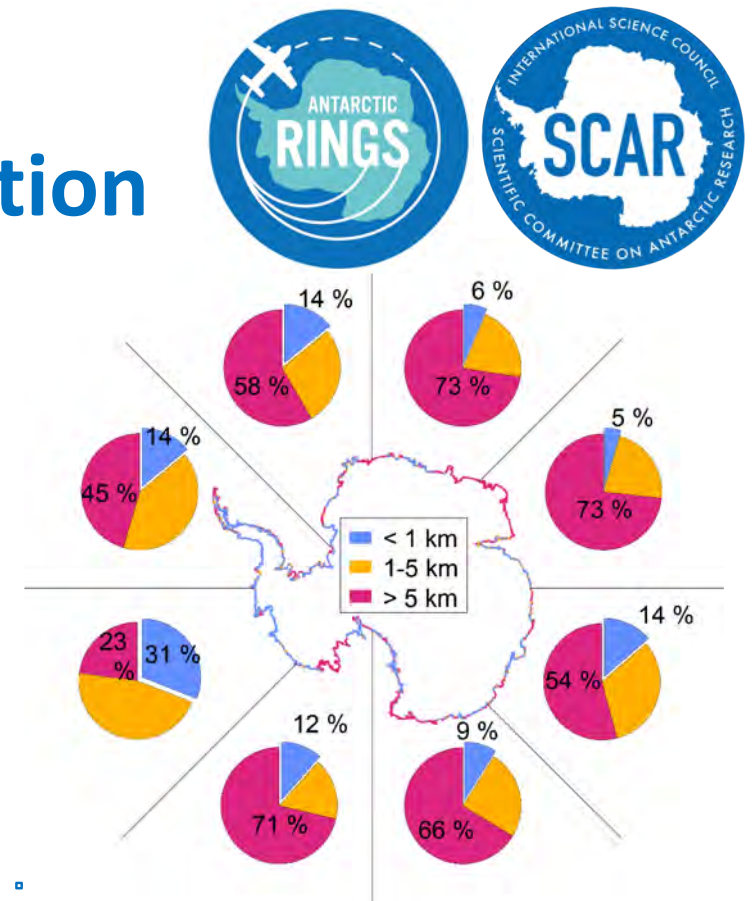
Seaward: Sub-ice-shelf bathymetry and quantification of ice-ocean interactions

Landward: Predicting future evolution by defining morphology, geology and subglacial hydrology

«RINGS» Action Group for 2 years since March 2021

Evaluate knowledge gaps

develop survey protocols and plans



Only 12% of the Antarctic ice-sheet grounding line has radar data within 1 km.

Data source:

BedMachine (Morlighem et al., 2020)

Global membership of SCAR's RINGS Action Group

Google "Antarctic RINGS" for more information and contact kenny@npolar.no to get involved

