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Evaluating the relative roles of crustal growth versus reworking through continental arc magmatism: A case study from the Ross orogen, AntarcticaGraham Hagen-Peter^{1,2*} and John Cottle¹

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Graham Hagen-Peter short biography: Graham Hagen-Peter is post-doctoral researcher in the Center for Earth System Petrology at Aarhus University in Denmark. He received a B.Sc from the University of Vermont and a PhD from the University of California, Santa Barbara. His research applies geochemistry, geochronology, petrology, and modeling to understand the timescales and mechanisms of the generation and differentiation of continental lithosphere.



John Cottle short biography: John Cottle is a professor in the Department of Earth Science at the University of California Santa Barbara. He received a B.Sc and M.Sc from Otago University and a PhD (2008) from the University of Oxford in Himalayan tectonics. After a postdoctoral position at the National Isotope Geoscience Laboratories in the UK, he joined the faculty at UCSB in 2009. His research focuses on the development and application of in-situ geochronology and geochemistry techniques to understand the evolution of continental crust in collisional orogenic systems.

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