

 <p>Agreement on the Conservation of Albatrosses and Petrels</p>	<p>Sixth Meeting of the Population and Conservation Status Working Group</p> <p><i>Virtual meeting, 24 – 25 August 2021 (UTC+10)</i></p> <p>The distribution, abundance, status and global importance of giant petrels (<i>Macronectes giganteus</i> and <i>M. halli</i>) breeding at South Georgia</p> <p>Sally Poncet, Anton C. Wolfaardt, Christophe Barbraud, Ronnie Reyes-Arriagada, Andrew Black, Robert B. Powell, Richard A. Phillips</p>
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SUMMARY

Information on the status of giant petrels breeding at South Georgia was previously based on studies at a small number of the archipelago's breeding sites. Here, we report the results of the first complete archipelago-wide survey of breeding northern *Macronectes halli* and southern *M. giganteus* giant petrels in the austral summers 2005/2006 and 2006/2007. We estimate that 15,398 pairs of northern and 8803 pairs of southern giant petrels bred at South Georgia. These are the largest and second largest populations at any island group, representing 71.0% and 17.3%, respectively, of updated global estimates of 21,682 pairs of northern and 50,819 pairs of southern giant petrels. A comparison of counts at locations surveyed in both 1986/1987–1987/1988 and 2005/2006–2006/2007 indicated increases of 74% and 27% in northern and southern giant petrels, respectively, over the intervening 18–20 years. The greater increase in northern giant petrels was likely influenced by the recovery of the Antarctic fur seal *Arctocephalus gazella* population at South Georgia, which provides an abundant but transient food resource (carrion). Due to allochryony, this provides greater benefits to northern giant petrels. The large, and increasing, population of king penguins *Aptenodytes patagonicus* at South Georgia also provides a potentially valuable food resource. The flexible and opportunistic foraging behaviour of giant petrels has contributed to their positive population trends. Other, more specialised, seabirds such as albatrosses have declined at South Georgia in recent decades mainly because of problems at sea, compounded by greater predation pressure from the increasing populations of giant petrels.