

# 1 **Acknowledgements**

2 *Acknowledgements* - We thank the many observers who participated in age-ratio and family size  
3 counts of goose flocks and those who determined social status when entering their sightings of  
4 marked geese on *geese.org*: Thanks to Yke van Randen who provided *geese.org* data, Gerard  
5 Troost who provided data from *trektellen.org*, the Dutch Association of Goose Catchers who  
6 caught the goose families for tagging with GPS transmitters and Helmut Kruckenberg and Peter  
7 Glazov who majorly contributed to the 2016 Kolguyev expedition which was funded by a National  
8 Geographic Society Grant to AK (GEFNE141-15). PRG was financially supported by the European  
9 Commission through the program Erasmus Mundus Master Course - International Master in  
10 Applied Ecology (EMMC-IMAE) (FPA 532524-1-FR-2012-ERA MUNDUS-EMMC).