

i. Foreword

The materials contained in this review report document the current progress within the decadal GeoPRISMS science initiative. We describe the history of the program and its connections to MARGINS before it and document the progress towards the science objectives and goals for community building along with updates on national and international partnerships.

The documents before you were prepared with significant community input through the contribution of science ‘nuggets’ which provide a short description and illustration of ongoing and completed research efforts. An ad-hoc review writing committee was responsible for the writing of most chapters. It based the documentation of scientific progress on the nuggets, newsletter articles, and the primary literature. The ad-hoc committee met in person for two days in July in Eugene, OR. It worked on-site and remotely using the collaborative editing tools provided through Google docs.

The committee consisted of the following former or current steering committee members, in alphabetical order: John Jaeger (University of Florida), Maureen Long (Yale University), Julia Morgan (Rice University), Sarah Penniston-Dorland (University of Maryland), Peter van Keken (University of Michigan; GeoPRISMS Office) and Paul Wallace (University of Oregon). The citation database that is maintained by Andrew Goodwillie (Lamont-Doherty Earth University) was expanded with contributions from Liz Hajek (Pennsylvania State University), Tyrone Rooney (Michigan State University) and Gene Yogodzinski (University of South Carolina). Andrew Goodwillie also provided materials for maps and the description in 4.3 of the MARGINS and GeoPRISMS data management systems maintained by LDEO. We received contributions to individual chapters from Geoff Abers (Cornell, last MARGINS chair) and Tyrone Rooney. A draft of Chapter 1 was shared and discussed with cognizant program managers. The award information contained in this document was obtained from NSF (from the program managers and from the publically available award information). The appendices that provide background information and metrics were compiled by the GeoPRISMS Office. Anaïs Férot formatted the document.

We quoted liberally from the GeoPRISMS Science and Implementation Plans and science nuggets in this document. We mostly avoided strict quotations to improve the flow of the narrative; we find this appropriate since both this document and the science and implementation plans are documents written by committees with many authors. This review document is a continuation of the community-driven documentation of GeoPRISMS.

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