

Interactive comment on “SELEN⁴ (SELEN version 4.0): a Fortran program for solving the gravitationally and topographically self-consistent Sea Level Equation in Glacial Isostatic Adjustment modeling” by Giorgio Spada and Daniele Melini

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We thank Dr. Gowan for the positive feedback about our work. In SELEN4, any ice sheet model can be implemented, provided that it is discretized into disc-shaped elements and given in the proper SELEN-compliant format, described in the User guide. For the moment, we have included a realization of the chronology of ICE-6G. Following Dr. Gowan's suggestion, we shall also provide other models of the ICE-X family in forthcoming releases. We are also planning, in a future version, to include a routine for the computation of the isostatic and rotational Green's functions. This shall be done

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as soon as a manageable and easy-to-use code is available. We would be happy to test any ice model that Dr. Gowan has produced, in order to verify its compatibility with SELEN4.

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