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Gilles Ramstein is a director of research at Laboratoire des Sciences du Climat et de l'Environnement (LSCE, France). His initial degree is in physics and since 1992 he has specialized in climate modeling.

He has been responsible for many French and European research projects on the Pleistocene, Quaternary, and Prehistoric climates. He has also been the advisor of many Ph.D. students who have explored and expanded the frontiers of paleoclimatic modeling.

As a climate modeler, he studies very different climate contexts from "snowball Earth" episodes (717–435 Ma) to more recent, and occasionally future, climate situations.

His main research topics he focuses on are:

- Geological time from the Proterozoic to the Cenozoic.

- Investigation of relationships between tectonics, the carbon cycle, and the climate with an emphasis on the impact on the climate and the atmospheric CO_2 cycle of major tectonic events such as plate movements, shrinkage of equatorial seas, mountain range uplift, and the opening/closing of seaways.

- Leading international collaborations on projects on monsoon evolution and the dispersal of human ancestors during the Neogene periods.

- From the Pleistocene to future climate: In this framework, his major interests are interactions between orbital forcing factors, CO_2 and climate. More specifically, his focus is on the response of the cryosphere, an important component of the climate system during these periods, with an emphasis on the development of the Greenland ice sheet at the Pleistocene/Pleistocene boundary and abrupt climate changes driven by ice sheet variations.

He has also published several books and co-edited the French version of "Paléoclimatologie" (CNRS Editions) and contributed to an online master program devoted to educating journalists on climate change (Understanding the Interactions between Climate, Environment, and Society ACCES).

Amélie Landais is a research director at Laboratoire des Sciences du Climat et de l'Environnement (LSCE, France). Her initial degree is in physics and chemistry and, since her Ph.D. in 2001, she has specialized in the study of ice cores.

She has been responsible for several French and European research projects on ice cores working on data acquisition both in the laboratory and in the field, interacting extensively with modelers. She has been the supervisor of ten Ph.D. students and is deeply committed to supporting and training students in laboratory work.

Her main research interests are the reconstruction of climate variability over the Quaternary and the links between climate and biogeochemical cycles. To improve our understanding of these areas, she develops geochemical assays in ice cores (mainly isotopes), performs process studies using laboratory and field experiments, and analyzes shallow and deep ice cores from polar regions (Greenland and Antarctica). Through numerous collaborations and improvement of ice core dating methods, she tries to establish connections with other paleoclimatic archives of the Quaternary.