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## Research plans for future prediction of the earth environment through comprehensive observation, experiment and model

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The subcommittee for large-scale scientific research plans under the Science Council of Japan made a questionnaire in 2009 for large-scale research plans. In this presentation, I like to overview the proposals responding the questionnaire in the category of the earth environment.

The proposals can be grouped into four research plans of (A) Observation of the near-earth space, (B) Satellite earth observation, (C) Comprehensive observation of atmosphere, ocean, lakes and marshes, and (D) Prediction and assessment of the earth environment by climate and meteorological models.

Researches of the earth environment are planned by various governmental bodies associated with environmental protection measures and policy making, so that it is difficult to grasp the entire aspect of the large-scale researches planned in Japan, and also difficult to make a clear separation between basic science and applied science. It is, therefore, necessary to have more reviews and discussion by the community before finalizing the road map. It is also important to conduct further questionnaires to survey more ideas.

Keywords: Science Council of Japan, Large-scale research plan, Earth environment