

The First International Earth 2.0 (ET) Science Conference: Charting the Mission Roadmap

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We are pleased to announce that the first annual science meeting of the Earth 2.0 (ET) space mission will be held in Shanghai this August. The meeting will focus on relevant scientific research and promote the development of the mission. Major topics to be covered include (but are not limited to): Transit Exoplanets, Microlensing Exoplanets, Follow-up Observations, Asteroseismology, Stellar Activity and Archaeology of the Galaxy, Time Domain Astronomy, Binary Stars and Black Hole Binary Stars, Solar System Science and Solar System Science. The main agenda and content include: (1) The first in-person meeting and collaboration of the full ET science team, including invited plenary talks, contributed talks, panel discussions, parallel sessions, and poster sessions; (2) Official establishment of multiple Science Working Groups (SWGs). Each SWG will introduce and discuss its key scientific questions, how ET data can be used to address these questions, and how to organize team efforts in preparation for the 2028 satellite launch — including target selection, observation and data analysis, ET observation simulations, pipeline development, and follow-up observation plans; (3) Official announcement of the ET data rights and publication policy, as well as the procedures and guidelines for becoming a formal member of the ET science team; (4) Discussion of future ET science conferences and sub-meetings.