



PROJECT MEETING(S) 2014

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**Project Number and Title: IGCP587 Of Identity, Facies and Time:
 The Ediacaran (Vendian) Puzzle YANGTZE GORGES 2014 MEETING**

Date and venue of meeting(s): Yangtze Gorges, Yichang, Hubei Province, China, 11 June-22 June 2014

Work plan of meeting(s) (programme, aims related to the project, etc.):

(about 300 words): In the past twenty years, much progress has been made in Ediacaran paleontology, biostratigraphy, chemostratigraphy, paleoclimatology, paleoceanography, and geochronology. Ediacaran successions in the Yangtze Gorges area of South China have played a role in moving forward the field of Ediacaran stratigraphy. The Ediacaran Doushantuo and Dengying formations are featured prominently in numerous recent investigations: a paleogeographic-stratigraphic framework has been established; diverse spiny acritarchs, macroalgal fossils, Ediacara-type microfossils, and $\delta_{13}\text{C}$ excursions—calibrated against precisely dated ash beds—offer promising tools for the subdivision and correlation of the Ediacaran System in South China and beyond; integration of multiple geochemical proxies and a rich paleontological record allows a better understanding of the Ediacaran evolution of ocean redox structures and marine life. Likewise, renewed investigation of Cryogenian successions in South China has made important progress in the areas of radiometric dating, paleoclimate, and paleogeography. Encouraged by these new advances and emerging data, the Organization Committee proposes (1) a three-day symposium in Yichang focusing on key issues in Ediacaran and Cryogenian stratigraphy, followed by (2) a four-day field trip focusing on Ediacaran Doushantuo and Dengying formations in the Yangtze Gorges area of Hubei Province, and (3) a three-day field trip focusing on Cryogenian successions in neighboring Hunan Province. As the primary goal of this meeting, we hope to achieve some progress toward choosing appropriate criteria for the subdivision of the Ediacaran System and the definition of the Cryogenian System

Names, institute and country of participants to be given financial support:

Six early career/graduate student bursaries distributed. Peter Adamson (pwa24@cam.ac.uk), Uyanga Bold (uyangabold@gmail.com), Huan Cui (hcui@umd.edu), Jan-Peter Duda (jduda@gwdg.de), Qing Tang (qingt@vt.edu), and Zhou Wang (chinawang1988@163.com).

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