General Theme 2
2.2

The long-held paradigm that rivers formed before the onset of sedimented-stabilizing vegetation have significant differences to those that developed later has been challenged. Several recent studies suggest that large, deeply channelled, perennial rivers were developed in the Proterozoic despite a lack of vegetation, and that morphometric parameters for large fluvial channels might have remained within a narrow range over almost 2 billion years. This session seeks to further examine and test this challenge with new research on the architecture and morphodynamics of fluvial systems that developed in the absence of rooted vegetation. We encourage contributions on four topics:

1) fluvial systems on Mars and other planets,
2) influence of vegetation on fluvial style,
3) pre-vegetation fluvial systems on Earth,
4) rivers in modern deserts and barren landscapes.