Santiago, Chile, 18th April 2019

Re: Invitation to deliver a talk and submit a chapter to the GBR9, Chile, January 2021

Dear Dr. Megan Williams,

The 9th international Gravel Bed River Workshop will take place in Villarrica, Chile, during 11-15 January, 2021. The general theme of the workshop is "GBR 2021: Processes, resilience, and management in a changing environment". The design will be similar to previous GBR workshops, in order to preserve the high quality standard of the workshop, although we added to the classical topics some more novel ones. We are planning for pre-, post- and mid-workshop field trips, and we are envisaging the classical workshop publications (a book of the workshop and a special volume in a journal). The workshop is scheduled to be free online web-streamed as in the previous edition in Japan. The workshop will have 14 sessions, each of which will be composed by one main keynote (40 minutes), a complementary keynote (20 minutes), and long time for a joint discussion.

The draft of the scientific program has recently been set and agreed by the local organizing and the scientific advisory committees (see attached table), and we are now inviting distinguished scientists to deliver oral presentations to the workshop. We are pleased to invite you to deliver a keynote presentation on *Interactions between fluvial and coastal systems.* This is scheduled to be one of two presentations in the session entitled *Gravel bed rivers beyond their watersheds*. Of course you are welcome to suggest changes to the title of your invited talk and to invite co-authors. As we envisage that yours will be the complementary talk of the session, your agreement to deliver the presentation does not come with an explicit request to submit a written chapter to be included in the workshop book, but if you agree to send a paper this will be very much appreciated. Otherwise, we will invite you to submit a paper to a special issue of a journal after the workshop. Should you wish to contribute to the book, the manuscript (details to follow) will be due by February 2020 in order to have enough time for a full peer review before the workshop. Written discussions of your paper and a reply may be added immediately after the workshop as in previous editions.

Please let us know if you need further details on the workshop or on the invited talk and paper.

Sincerely yours in the name of the local organizing committee,

Cristian Escauriaza, Luca Mao, Hernan Alcayaga

Scientific Advisory Committee: Ellen Wohl, Astrid Blom, Chris Paola, Daizo Tsutsumi, Massimo Rinaldi, James Bathurst and Guido Zolezzi

Sessions	Tentative title of the Main and Complementary talks/chapters
1. Gravel-bed rivers at the scale of grains	M: Gravel bed roughness and sediment patches in gravel bed rivers C: Sediment sorting and patchiness in gravel bed rivers
2. Sediment transport processes	M: Reconciling granular flow theory and sediment flux in rivers C: Recent advances on bedload monitoring
3. Advances in physical modelling	M: Recent advances in modelling gravel bed rivers under unsteady flow conditions C: Flume experiments on steep slopes
4. Advances in numerical modelling	M: Sediment connectivity and budgets for river management at the basin scale C: Advances on 3D models in gravel-bed rivers
5. Gravel-bed rivers affected by extreme disturbances	M: Volcanic lahars and gravel-bed rivers C: GLOFS and gravel bed rivers
6. Vegetation and large wood in gravel-bed rivers	M: Morphodynamic effect of riparian vegetation in gravel-bed rivers C: Modelling large wood dynamics in gravel-bed rivers
7. Not only gravel in gravel-bed rivers	M: Microplastic in gravel-bed rivers C: Recent advances in zoogeomorphology in gravel-bed rivers
8. Gravel bed rivers beyond their watersheds	M: The need of fine sediment delivery to coastal areas C: Interactions between fluvial and coastal systems
9. River assessment	M: Integrating the concept of river sensitivity in the management of gravel bed rivers C: Integrated assessment of river health
10. River restoration	M: Long-term effectiveness of river restoration projects C: Historical changes on long-impacted rivers
11. People and gravel-bed rivers	M: Rivers and people (indigenous perspective) C: People perception and management of gravel bed rivers
12. Energy and gravel-bed rivers	M: Dam removal. Opportunities and controversies C: Hydropower and gravel bed rivers: learning from the past and facing current challenges
13. New tools for advanced studies of gravel-bed rivers	M: Drones in GBR studies C: CT Scans and gravel-bed rivers
14. Advances in monitoring of gravel-bed rivers	M: Current applications and potentials of eDNA tools in gravel-bed rivers C: Advances in monitoring systems for floods