

Congo River users Hydraulics and Morphology – CRuHM
Special Session, International Conference on Large African Rivers
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The Congo River Basin is the largest in Africa, and second largest in the world after the Amazon, with potential to support regional economic growth through sustained green energy and large scale irrigated agriculture for food security. The basin also offers potential for navigation necessary to facilitate regional interconnection for mobility of good and services. In this complex and data scarce area, efforts are needed to develop appropriate analysis approaches that can improve the understanding of the hydrology and water resources systems, and assess various water resources planning and management strategies while accounting for impacts of future environmental and societal changes.

The Royal Society – DFID Capacity Building Facility is currently funding a research and capacity building project for the Congo River Basin, namely: “**Congo River user Hydraulics and Morphology – CRuHM**”, for the period 2016-2020. The project is led by a consortium of partner institutions in the United Kingdom and sub-Saharan Africa, including University of Bristol and University of Leeds, UK; University of Kinshasa, DRC; University of Dar es Salaam, Tanzania; and Rhodes University, South Africa. The overall project objective consists of carrying out large scale hydraulic and geomorphological science research on the main channels of the Congo River in order to address the severe lack of basic knowledge and understanding in these water engineering fields for the world’s second largest river, with consequent economic benefits to both vital river navigation transport and hydroelectric schemes.

During the International Conference on Large African Rivers in Algeria, May 2018, CRuHM will organise a special session with the aim to share research findings with the wide community of researchers, academics, and professional of water resources in Africa. In addition to CRuHM investigators, the special session also welcomes communications from other ongoing research and development initiatives in the Congo River Basin.

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