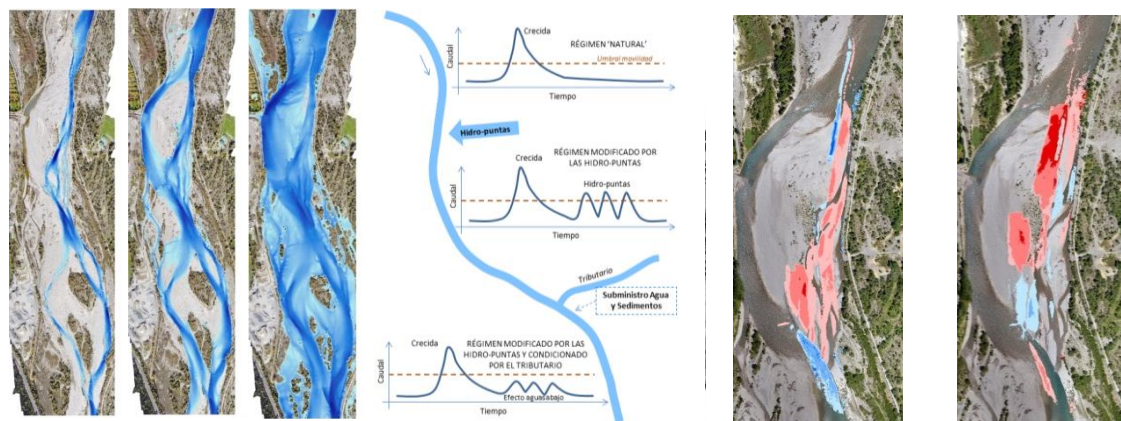


# PhD OPPORTUNITY IN FLUVIAL GEOMORPHOLOGY

## FLUVIAL DYNAMICS RESEARCH GROUP

### UNIVERSITY OF LLEIDA (SPAIN)



The Spanish Ministry of Economy, Industry and Competitiveness (Research, Development and Innovation Secretary) is funding a 4 year PhD Contract. This contract is linked to the research project (**CGL2016-78874-R**): Dinámica morfosedimentaria en ríos de montaña afectados por Hidro-Puntas: Efectos sobre el hábitat e implicaciones para su gestión (MORPHPEAK). Research activity will be developed within the Fluvial Dynamics Research Group at the University of Lleida ([www.fluvialdynamics.com](http://www.fluvialdynamics.com)).

**Brief project outline:** The main objective of MorphPeak is to analyse the effects of hydropeaking on rivers morphosedimentary dynamics, as well as on the availability of physical habitat, and assessing the impacts on the biological communities of impacted river systems. The project is based on a series of hypotheses and a holistic methodological frame comprehensively designed to analyse these interactions at multiple spatial and temporal scales. For the specific purposes of this project, two river reaches located at the Southern Pyrenees will be monitored to study sediment transport, and changes to bed morphology and sedimentology associated to hydropeaking. One of the reach will be located in the Upper Cinca while the second one in the Upper Ésera, both located in the Central Pyrenees. Preliminary results show as the competence and capacity of hydropeaking in these reaches are substantially different, what will control the morphosedimentary dynamics associated to these practises. The project will also benefit of the existent data set obtained in MorphSed ([www.morphsed.es](http://www.morphsed.es)) and other data acquired in the background of previous research activities lead by the Fluvial Dynamics Research Group.

**Potential candidates:** Candidates have to be interested in fluvial geomorphology, especially in morphodynamics, and hydraulic and morphological modelling in gravel-bed rivers.

**Starting date for applications:** 3<sup>rd</sup> October 2017

**Closing date for applications:** 18<sup>th</sup> October 2017

**Further details:** all information and details of this call may be obtained [here](#).

**How to apply:** all instructions will be provided [here](#).

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