

## Accepted Manuscript

Beyond equilibrium: Re-evaluating physical modelling of fluvial systems to represent climate changes

Edwin R.C. Baynes, Wietse I. van de Lageweg, Stuart J. McLelland, Daniel R. Parsons, Jochen Aberle, Jasper Dijkstra, Pierre-Yves Henry, Stephen P. Rice, Moritz Thom, Frederic Moulin



PII: S0012-8252(17)30059-4  
DOI: doi:[10.1016/j.earscirev.2018.04.007](https://doi.org/10.1016/j.earscirev.2018.04.007)  
Reference: EARTH 2617  
To appear in: *Earth-Science Reviews*  
Received date: 6 February 2017  
Revised date: 19 April 2018  
Accepted date: 24 April 2018

Please cite this article as: Edwin R.C. Baynes, Wietse I. van de Lageweg, Stuart J. McLelland, Daniel R. Parsons, Jochen Aberle, Jasper Dijkstra, Pierre-Yves Henry, Stephen P. Rice, Moritz Thom, Frederic Moulin , Beyond equilibrium: Re-evaluating physical modelling of fluvial systems to represent climate changes. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Earth(2018), doi:[10.1016/j.earscirev.2018.04.007](https://doi.org/10.1016/j.earscirev.2018.04.007)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

## **Beyond equilibrium: Re-evaluating physical modelling of fluvial systems to represent climate changes**

Edwin R.C. Baynes<sup>1,\*</sup>, Wietse I. van de Lageweg<sup>1,+</sup>, Stuart J. McLelland<sup>1</sup>, Daniel R. Parsons<sup>1</sup>, Jochen Aberle<sup>2, 7</sup>, Jasper Dijkstra<sup>3</sup>, Pierre-Yves Henry<sup>2</sup>, Stephen P. Rice<sup>4</sup>, Moritz Thom<sup>5</sup>, Frederic Moulin<sup>6</sup>

<sup>1</sup> Geography and Geology, School of Environmental Sciences, Faculty of Science and Engineering, University of Hull, Hull, HU6 7RX, UK.

<sup>2</sup> Department of Civil and Environmental Engineering, Norwegian University of Science and Technology, Trondheim, Norway.

<sup>3</sup> Marine and Coastal Systems, Department Ecology and Sediment Dynamics, Deltares, Boussinesqweg 1, Delft, the Netherlands.

<sup>4</sup> Department of Geography, Loughborough University, Loughborough, LE11 3TU, UK.

<sup>5</sup> Forschungszentrum Küste, Leibniz Universität Hannover/TU Braunschweig, Hannover, Germany.

<sup>6</sup> Institut de Mecanique des Fluides de Toulouse (IMFT), Université de Toulouse, CNRS-INPT-UPS, Toulouse, France.

<sup>7</sup> Leichtweiß Institute for Hydraulic Engineering and Water Resources, Technische Universität Braunschweig, Braunschweig, Germany

\* Now at: Univ Rennes, CNRS, Géosciences Rennes - UMR 6118, 35000 Rennes, France

+ Now at: Antea Group Belgium, Roderveldlaan 1, 2600 Antwerp, Belgium

Download English Version:

<https://daneshyari.com/en/article/8912940>

Download Persian Version:

<https://daneshyari.com/article/8912940>

[Daneshyari.com](https://daneshyari.com)