



**HAL**  
open science

## Author Correction: Quantifying uncertainties of sandy shoreline change projections as sea level rises

Gonéri Le Cozannet, David Salas y Melia, Thomas Bulteau, Bruno Castelle, Roshanka Ranasinghe, Guy Wöppelmann, Jérémy Rohmer, Nicolas Bernon, Déborah Idier, Jessie Louisor

### ► To cite this version:

Gonéri Le Cozannet, David Salas y Melia, Thomas Bulteau, Bruno Castelle, Roshanka Ranasinghe, et al.. Author Correction: Quantifying uncertainties of sandy shoreline change projections as sea level rises. *Scientific Reports*, 2019, 9, 10.1038/s41598-019-41667-3 . insu-03708722

**HAL Id: insu-03708722**

**<https://insu.hal.science/insu-03708722v1>**

Submitted on 6 Dec 2023

**HAL** is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

# SCIENTIFIC REPORTS

**OPEN**

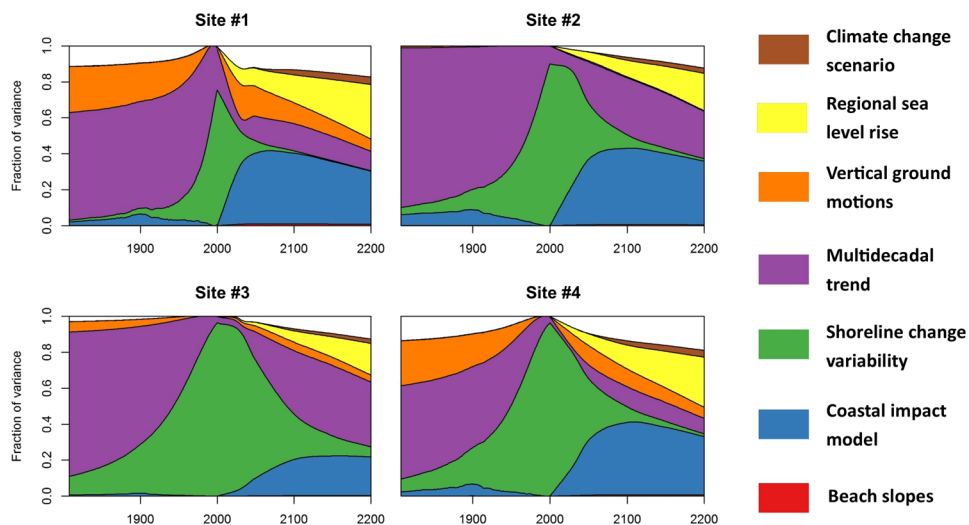
## Author Correction: Quantifying uncertainties of sandy shoreline change projections as sea level rises

Gonéri Le Cozannet<sup>1</sup>, Thomas Bulteau<sup>2</sup>, Bruno Castelle<sup>3</sup>, Roshanka Ranasinghe<sup>4</sup>, Guy Wöppelmann<sup>5</sup>, Jeremy Rohmer<sup>1</sup>, Nicolas Bernon<sup>2</sup>, Déborah Idier<sup>1</sup>, Jessie Louisor<sup>1</sup> & David Salas-y-Méla<sup>6</sup>

Correction to: *Scientific Reports* <https://doi.org/10.1038/s41598-018-37017-4>, published online 10 January 2019

This Article contains an error in Figure 4, where the key was omitted. The correct Figure 4 appears below as Fig. 1.

<sup>1</sup>BRGM, 3, av. Claude Guillemin, BP 36009, 45060, Orleans Cedex 2, France. <sup>2</sup>BRGM, French Geological Survey, Pessac, France. <sup>3</sup>CNRS/Univ. Bordeaux, Pessac, France. <sup>4</sup>IHE Delft/University of Twente/Deltares, Delft, The Netherlands. <sup>5</sup>LIENSs, CNRS - Université de La Rochelle, La Rochelle, France. <sup>6</sup>CNRM, Université de Toulouse, Météo-France, CNRS, Toulouse, France. Correspondence and requests for materials should be addressed to G.L.C. (email: [g.lecozannet@brgm.fr](mailto:g.lecozannet@brgm.fr))



**Figure 1.** Variance-based global sensitivity analysis of the shoreline change model response as a function of time, for the four selected sites in Aquitaine (see Supplementary Material 1). For each date considered, the curves indicate the fraction of the variance of shoreline change projections that could be removed if input parameters were known (see main text). The effect of interactions between parameters is indicated as well. White areas indicate interactions between parameters, corresponding to shoreline positions, which can be only reached if at least two uncertain parameters deviate from their mean (see Methods). The graph reads as follows: for site #1, by 2200, uncertainties in regional sea-level rise projections (yellow) account for approximately 30% of the variance of shoreline change projections.



**Open Access** This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons license, and indicate if changes were made. The images or other third party material in this article are included in the article's Creative Commons license, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons license and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this license, visit <http://creativecommons.org/licenses/by/4.0/>.

© The Author(s) 2019