

 	Contributor roles data sheet	11-04-2024
---	------------------------------	------------

<i>Output title</i>	Des données numériques aux connaissances pluridisciplinaires : enjeux de documentation et de formalisation
<i>Corresponding author</i>	Violette Abergel, Anaïs Guillem
<i>Contributors</i>	Violette Abergel (1) , Pierre Arese (1) , Florent Comte (1) , Iwona Dudek (1) , Anaïs Guillem (1, 2) , Antoine Gros (1, 3, 4) , Kévin Réby (1)
<i>Affiliations</i>	1 MAP - UPR 2002 - Modèles et simulations pour l'Architecture et le Patrimoine 2 LMU - Ludwig Maximilian University [Munich] = Ludwig Maximilians Universität München 3 LMGC - Laboratoire de Mécanique et Génie Civil 4 LISPEN - Laboratoire d'Ingénierie des Systèmes Physiques et Numériques
<i>url</i>	https://hal.science/hal-04576767
<i>DOI</i>	
<i>Citer (optionnel)</i>	

<i>Contributions data reported by Pierre Arese</i>
--

Conceptualisation	Violette Abergel, Pierre Arese, Florent Comte, Iwona Dudek, Anaïs Guillem, Antoine Gros, Kévin Réby
Data curation	Violette Abergel, Pierre Arese, Florent Comte, Iwona Dudek, Anaïs Guillem, Antoine Gros, Kévin Réby
Formal analysis	
Funding acquisition	Livio De Luca
Investigation	
Methodology	Violette Abergel, Pierre Arese, Florent Comte, Iwona Dudek, Anaïs Guillem, Antoine Gros, Kévin Réby ?????
Project administration	Livio De Luca, Aurore Pfitzmann
Resources	Pascal Benistant
Software	
Supervision	Livio De Luca
Validation	Livio De Luca
Visualization	Violette Abergel, Pierre Arese, Florent Comte, Anaïs Guillem, Antoine Gros, Kévin Réby
Writing – original draft	Violette Abergel, Pierre Arese, Florent Comte, Anaïs Guillem, Antoine Gros, Kévin Réby
Writing – review & editing	Violette Abergel, Pierre Arese, Florent Comte, Iwona Dudek, Anaïs Guillem, Antoine Gros, Kévin Réby

From : <https://credit.niso.org/contributor-roles-defined/>

Conceptualization – Ideas; formulation or evolution of overarching research goals and aims.

Data curation – Management activities to annotate (produce metadata), scrub data and maintain research data (including software code, where it is necessary for interpreting the data itself) for initial use and later re-use.

Formal analysis – Application of statistical, mathematical, computational, or other formal techniques to analyze or synthesize study data.

Funding acquisition - Acquisition of the financial support for the project leading to this publication.

Investigation – Conducting a research and investigation process, specifically performing the experiments, or data/evidence collection.

Methodology – Development or design of methodology; creation of models.

Project administration – Management and coordination responsibility for the research activity planning and execution.

Resources – Provision of study materials, reagents, materials, patients, laboratory samples, animals, instrumentation, computing resources, or other analysis tools.

Software – Programming, software development; designing computer programs; implementation of the computer code and supporting algorithms; testing of existing code components.

Supervision – Oversight and leadership responsibility for the research activity planning and execution, including mentorship external to the core team.

Validation – Verification, whether as a part of the activity or separate, of the overall replication/reproducibility of results/experiments and other research outputs.

Visualization – Preparation, creation and/or presentation of the published work, specifically visualization/data presentation.

Writing – original draft – Preparation, creation and/or presentation of the published work, specifically writing the initial draft (including substantive translation).

Writing – review & editing – Preparation, creation and/or presentation of the published work by those from the original research group, specifically critical review, commentary or revision – including pre- or post-publication stages.