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Datasets on the work habits of international building researchers

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DOI (link to publication from Publisher):
[10.54337/aau507456682](https://doi.org/10.54337/aau507456682)

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Publication date:
2022

Document Version
Publisher's PDF, also known as Version of record

[Link to publication from Aalborg University](#)

Citation for published version (APA):

Johra, H. (2022). *Datasets on the work habits of international building researchers*. Department of the Built Environment, Aalborg University. DCE Technical Reports No. 305 <https://doi.org/10.54337/aau507456682>

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DEPARTMENT OF THE BUILT ENVIRONMENT
AALBORG UNIVERSITY

Datasets on the work habits of international building researchers

Hicham Johra



Aalborg University
Department of the Built Environment
Division of Sustainability, Energy & Indoor Environment

Technical Report No. 305

**Datasets on the work habits of
international building researchers**

by

Hicham Johra

October 2022

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Published 2022 by
Aalborg University
Department of the Built Environment
Thomas Manns Vej 23
DK-9220 Aalborg Ø, Denmark

Printed in Aalborg at Aalborg University

ISSN 1901-726X
Technical Report No. 305

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1. Foreword

The aim of this technical report is to provide and describe the datasets collected for the study of work habits in the international building research community. The analysis of this data is presented in the conference paper Johra et al., 2023 [1] presented at NSB 2023 - 13th Nordic Symposium on Building Physics, 12 – 14 of June 2023 (<https://www.en.build.aau.dk/web/nsb2023>).

2. Dataset description

The collected data consists of time series for:

- The activity level (number of different versions of a document per day) of online collaborative documents over periods of time in between regular coordination meetings about the progress of that document.
- The daily abstract submission rate to an international conference on building physics during the call for abstracts.
- The hourly abstract submission rate to an international conference on building physics during the last day of the call for abstracts.
- The daily review of abstract submission rate during the abstract review process of an international conference on building physics.

This dataset takes the form of an Excel spreadsheet file (attached to this report) with 4 data sheets. Each data sheet is a table with a header and data points. The description of the datasets in each data sheet is as follows:

- *Data collaborative docs*: dataset about the number of versions and activity level of different collaborative Google documents over time (remaining time before the deadline of a coordination meeting about the progress of that document) for a given evaluation period. The description of each data column (data header) is as follows:
 - *Document name*: anonymized denomination of the collaborative document from which the data has been extracted. Each document name corresponds to a unique collaborative document.
 - *Period number*: numbering of the evaluation period of time during which the activity (number of versions per day and normalized daily activity) is measured.
 - *Document type*: the type of the collaborative document: *Text* for text documents, *Spreadsheet* for spreadsheet documents (tables).
 - *Remaining time (number of days before deadline)*: The number of days before the deadline of the current evaluation period during which the activity is measured.
 - *Activity - number of versions per day*: The number of recorded versions of a given document per day. The new version of a document is recorded when a contributor has made some changes to that document.
 - *Normalized daily activity [%]*: The normalized daily activity is calculated as the number of recorded versions of a given document per day divided by the total number of recorded versions over an entire evaluation period during which the activity is measured. All normalized daily activity for a given document over an entire evaluation period sums up to 100%.
 - *Day type*: States if the considered day is a weekday or a weekend.
 - *Day of the week*: States what the considered day is: Monday, Tuesday, Wednesday, Thursday, Friday, Saturday or Sunday.
 - *Year*: States the year of the considered day: 2021 or 2022.

- *Data abstract submissions 1*: The number of abstracts submitted to an international conference on building physics during the call for abstracts as a function of the time remaining before the submission deadline. The description of each data column (data header) is as follows:
 - *Remaining time (number of days before deadline)*: The number of days before the original deadline (before the extension) for the submission of abstracts to the conference.
 - *Number of abstract submissions per day*: The number of abstracts that were submitted to the conference on each day.
 - *Day type*: States if the considered day is a weekday or a weekend.
 - *Day of the week*: States what the considered day is: Monday, Tuesday, Wednesday, Thursday, Friday, Saturday or Sunday.
 - *Remark*: Information on events related to the call for abstracts of this conference.

- *Data abstract submissions 2*: The number of abstracts submitted to an international conference on building physics during the call for abstracts as a function of the time (hours) remaining before the submission deadline on the very last day (after the extension of the deadline) of the call for abstracts. The description of each data column (data header) is as follows:
 - *Time of the day (CEST)*: Local time (Central Europe Summer Time) of the conference.
 - *Remaining time (number of hours before deadline)*: The number of hours before the final abstract submission deadline on the very last day (after the extension of the deadline) of the call for abstracts.
 - *Number of abstract submissions per hour*: The number of abstracts that were submitted to the conference on each hour on the last day.
 - *Day of the week*: It is a Wednesday.

- *Data review process*: The number of abstract reviews submitted during the abstract review process of an international conference on building physics by its scientific committee (reviewing team). The description of each data column (data header) is as follows:
 - *Remaining time (number of days before deadline)*: The number of days before the deadline for the submission of abstract reviews to the conference.
 - *Number of abstract review submissions per day*: The number of abstract reviews that were submitted to the conference on each day.
 - *Day type*: States if the considered day is a weekday or a weekend.
 - *Day of the week*: States what the considered day is: Monday, Tuesday, Wednesday, Thursday, Friday, Saturday or Sunday.

References

- [1] H. Johra, L. Rohde, A.R. Hansen (2023). Do international building researchers mostly work right before the deadline? Yes, according to empirical data (Submitted: under review). Proceedings of the 13th Nordic Symposium on Building Physics – NSB 2023.

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