

Datasets on the work habits of international building researchers

Johra, Hicham

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

Creative Commons License
CC BY 4.0

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>

General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal -

Take down policy

If you believe that this document breaches copyright please contact us at vbn@aub.aau.dk providing details, and we will remove access to the work immediately and investigate your claim.



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

© Aalborg University

Scientific Publications at the Department of the Built Environment

Technical Reports are published for timely dissemination of research results and scientific work carried out at the Department of the Built Environment at Aalborg University. This medium allows publication of more detailed explanations and results than typically allowed in scientific journals.

Technical Memoranda are produced to enable the preliminary dissemination of scientific work by the personnel of the Department of the Built Environment where such release is deemed to be appropriate. Documents of this kind may be incomplete or temporary versions of papers—or part of continuing work. This should be kept in mind when references are given to publications of this kind.

Contract Reports are produced to report scientific work carried out under contract. Publications of this kind contain confidential matter and are reserved for the sponsors and the Department of the Built Environment. Therefore, Contract Reports are generally not available for public circulation.

Lecture Notes contain material produced by the lecturers at the Department of the Built Environment for educational purposes. This may be scientific notes, lecture books, example problems or manuals for laboratory work, or computer programs developed at the Department of the Built Environment.

Theses are monographs or collections of papers published to report the scientific work carried out at the Department of the Built Environment to obtain a degree as either PhD or Doctor of Technology. The thesis is publicly available after the defence of the degree.

Latest News is published to enable rapid communication of information about scientific work carried out at the Department of the Built Environment. This includes the status of research projects, developments in the laboratories, information about collaborative work and recent research results.

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

Table of Contents

Table of Contents 5

1. Foreword 6

2. Dataset description 7

References 9

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.

Recent publications in the Technical Report Series

Hicham Johra. Thermal properties of common building materials. DCE Technical Reports No. 216. Department of Civil Engineering, Aalborg University, 2019.

Hicham Johra. Project CleanTechBlock 2: Thermal conductivity measurement of cellular glass samples. DCE Technical Reports No. 263. Department of Civil Engineering, Aalborg University, 2019.

Hicham Johra. Cleaning Procedure for the Guarded Hot Plate Apparatus EP500. DCE Technical Reports No. 265. Department of Civil Engineering, Aalborg University, 2019.

Hicham Johra. Long-Term Stability and Calibration of the Reference Thermometer ASL F200. DCE Technical Reports No. 266. Department of Civil Engineering, Aalborg University, 2019.

Hicham Johra, Olena K. Larsen, Chen Zhang, Ivan T. Nikolaisson, Simon P. Melgaard. Description of the Double Skin Façade Full-Scale Test Facilities of Aalborg University. DCE Technical Reports No. 287. Department of Civil Engineering, Aalborg University, 2019.

Hicham Johra. Overview of the Typical Domestic Hot Water Production Systems and Energy Sources in the Different Countries of the World. DCE Technical Report No. 288. Department of Civil Engineering, Aalborg University, 2019.

Hicham Johra. Thermal Properties of Building Materials - Review and Database. DCE Technical Report No. 289. Department of the Built Environment, Aalborg University, 2021.

Hicham Johra. Instant District Cooling System: Project Study Case Presentation. DCE Technical Reports No. 290. Department of the Built Environment, Aalborg University, 2021.

Hicham Johra. Performance overview of caloric heat pumps: magnetocaloric, elastocaloric, electrocaloric and barocaloric systems. DCE Technical Reports No. 301. Department of the Built Environment, Aalborg University, 2022.

Martin Veit, Hicham Johra, Experimental Investigations of a Full-Scale Wall Element in a Large Guarded Hot Box Setup: Methodology Description. DCE Technical Reports No. 304. Department of the Built Environment, Aalborg University, 2022.

