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# Reading in Europe—Challenges and lessons learned from the case studies of the READ-IT project

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## Abstract

This article reflects on the challenges of combining humanistic and computational research perspectives within the framework of a multicultural and multilingual Digital Humanities project. It analyses the approach of Reading Europe Advanced Data Investigation Tool, a European project funded by JPI-CH, to the framing of its case studies within a wider perspective of interdisciplinary collaboration between humanities, digital humanities, and data science scholars. The analysis of sources ranging chronologically from the 18th century to the present and technologically from manuscript diaries to social media defines a new framework for the history of reading focused on the centrality of the human experience of the reader, and on the evolution of the medium through which reading is conducted. The interdisciplinary collaboration of the project develops a shared laboratory space where practices, languages, and research cultures converge to address both microscope and macroscope questions on the history of reading.

## 1 Introduction

The importance of books and reading is unquestionable in modern society, but unaddressed questions still remain. Up to now, scholars have studied the circulation of books and the ideas they convey, identified the factors that facilitate or impede the reception of such ideas in different cultural groups, but have not yet succeeded in delineating the impact of reading on the history and society of Europe. Knowledge has significantly increased over the last 40 years regarding what, where, and when people read, with focus shifting from implied or model readers to historical and empirical evidence of reading practices (Iser, 1974; Eco, 1979; Murray, 2018; Fuller and Rehberg Sedo, 2019; Ouvry-Vial, 2019; Price, 2019). Nevertheless, two major questions remain unanswered: why and how do people read? The increasing availability of digitized historical sources and the proliferation of born-digital media are multiplying the sources of possible evidence, though issues are emerging about the ownership and reliability of such large-scale datasets (Rowberry, 2019). New challenges are opening up that can only be addressed through collaboration between the

disciplines of the Humanities, Digital Humanities, and Data Science.

Up to now, we have lacked a systematic and integrative approach and the tools to study the experience of reading, the effects on readers and their lives, the outcomes of reading, and what affects the reading experience of the general public within this new research paradigm. Furthermore, there are still gaps between in-depth studies and computational studies, the conceptualizations of reading in different disciplines, and the interrelation between the results of micro-scale disciplinary and macroscopic scale interdisciplinary studies (Hitchcock, 2014).

In this scenario, the questions of why and how people read should be instantiated into a set of operational challenges bridging disciplines, studies of different sources, and studies at different geographical and enquiry scales:

- a) What kind of transaction exists between a reader and a text?
- b) What role does the environment play in this transaction?

- c) Have emotions related to reading changed throughout time and space in Europe?
- d) Is it possible to sketch out the portrait of something resembling the ‘European reader’?

The Reading Europe Advanced Data Investigation Tool (READ-IT)<sup>1</sup> project addressed these questions through a unique large-scale, user-friendly, open access, semantically enriched investigation tool to identify and share groundbreaking evidence about 18th–21st century Cultural Heritage of reading in Europe. It was a three-year (2018–21) transnational, interdisciplinary R&D project funded by the Joint Programming Initiative for Cultural Heritage. READ-IT consists of a robust consortium of five academic partners from four European countries (Institute of Czech Literature, Academy of Sciences, Prague; The Open University, UK, including the SME IN2; Utrecht University-DH Lab, Netherlands; CNRS-IRISA, Rennes and Le Mans Université-3LAM, France).

Within the work plan of READ-IT, the collection of case studies was the first significant milestone. Use cases collected in READ-IT are challenging the previous approaches adopted in projects such as the UK-Reading Experience Database (UK RED, 1996–2018),<sup>2</sup> the ANR-funded ‘Reading in Europe: Contemporary Issues in Historical and Comparative Perspectives’ project (2014–17),<sup>3</sup> and the Listening Experience Database project (2012 to present)<sup>4</sup> by going beyond the current state of the art of use cases and by requiring a significantly deeper analysis of sources.

The interdisciplinary collaboration between digital humanists, human and social sciences scholars, and computer scientists investigated innovative ways of gathering new resources through crowdsourcing and web-crawling as well as linking and reusing pre-existing datasets. READ-IT thus aims to ensure the sustainable and reusable aggregation of qualitative data, allowing an in-depth analysis of the Cultural Heritage of reading.

Case studies occupy a central place in the definition of the READ-IT data model and tools, guiding the identification of common issues, dimensions of analysis, and sources for validating and testing both the conceptual framework and the database. Case studies also configure a common research agenda for a multidisciplinary community of researchers on reading, built combining different approaches and sources spanning from social media, students’ diaries, and letters, from the 18th century up to today, in Czech, French, German, Italian, and Dutch. Current case studies include: ‘Digital Reading Experiences Through Social Media’, ‘Self-reflection’, ‘The places where we read’, ‘Reading in school diaries’, ‘Multilingual reading and sources’, ‘Reading and the reception of Romanticism’, and ‘Reading and censorship’ (Vignale *et al.*, 2019).

The set of case studies encompasses a rich ‘human archive’ in multiple media and languages depicting a transaction between reading subjects and reading materials from the 18th century to the present, including web scraping and social media crowdsourced evidence of reading experiences. In this regard, the case studies define a significant corpus of approaches and questions concerning the phenomenon of reading. Specifically, the significance of the case studies depends on the breadth of periods and locations and most importantly to the different perspectives concerning situations of reading, lasting emotions and memories, immediate responses, or changes in readers’ habits.

This article presents and discusses the outcomes of the interdisciplinary collaboration and knowledge creation arising from the READ-IT case studies. It highlights the lesson learned from collecting, discussing, and addressing this variety of sources, research questions, and methods, the development of interoperability and the bridging of people, disciplines, and results.

## 2 Discussion

The outcome of READ-IT is not a database of reading experiences, but a toolbox that can be adopted in a wide range of studies and that can support interoperability of research data to facilitate collaborations. The information value of the corpora of case studies derives from the opportunity to address a complex system of needs concerning different research questions, sources, and activities through a dialogue between the Information and Communications Technology (ICT) and Digital Humanities (DH) scholars who created the underlying data model and the Humanities and Social Sciences (HSS) researchers who adopted it (Flanders, 2013).

The analysis of the case studies followed three main directions: (a) research questions and focus (i.e. the aspects of reading that are the subject of the research), (b) the type of source of reading experience and the scale of the study (i.e. depth and quantity), (c) research practices and interoperability of data (i.e. expected generated data, competency questions, and issues related to the reuse of data outside the specific case study). The analysis of the case studies produced a set of requirements that were used in the development of a data model (Antonini *et al.*, 2019) and a Reading Experience Ontology (Vignale *et al.*, 2020; Antonini *et al.*, 2021). The resulting model shifted the focus beyond the factual aspects of experience that were addressed in previous projects (who, where, when, and what), to the phenomenological aspects of reading, such as the reader’s state of mind (habits, aims, emotions, and achievements) and the articulation of





