N E W S
E ⊙ E

A Digital Investigator for Historical Newspapers

NewsEye is a research project advancing the state of the art and introducing new concepts, methods and tools for digital humanities by providing enhanced access to historical newspapers for a wide range of users. With the tools and methods created by NewsEye, crucial user groups will be able to investigate views and perspectives on historical events and development and, as a consequence, the project will change the way European digital heritage data is (re)searched, accessed, used and analysed.
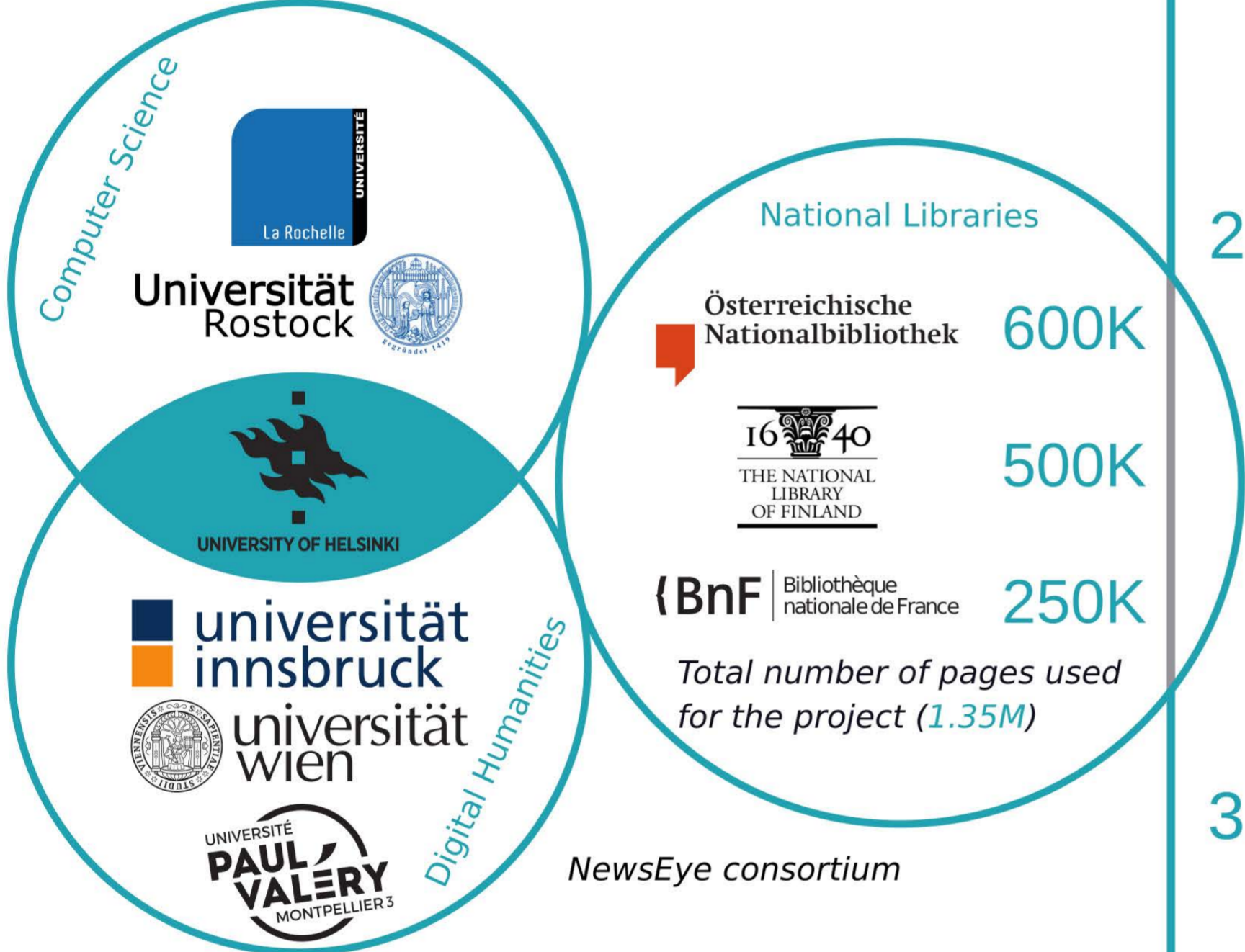
Workflow

The core concept of NewsEye is a seamlessly integrated armoury of tools and methods that will improve the users' capability to access, analyse and use the content in the digital libraries of historical newspapers.

Four Case Studies: the inner test material used by the project's humanities research groups will be from European newspaper datasets from the three partner libraries focusssing on the period 1850-1950.

1. Media & Journalism

4 NewsEye case study topics

Computer Science

La Rochelle UNIVERSITÉ

Universität Rostock

UNIVERSITY OF HELSINKI

universität innsbruck

universität wien

UNIVERSITÉ PAUL VALÉRY MONTPELLIER 3

Digital Humanities

National Libraries

Österreichische Nationalbibliothek	600K
16 40 THE NATIONAL LIBRARY OF FINLAND	500K
{BnF Bibliothèque nationale de France	250K

Total number of pages used for the project (1.35M)

NewsEye consortium

2. Gender

Text Recognition & Article Separation

> Article Separation
> Automatic Text Recognition
> Layout Analysis

Semantic Text Enrichment

> Named entity recognition
> Stance detection
> Novelty detection
> Event detection

3. Migration

4. Nationalism & Revolutions

Dynamic Text Analysis

> Viewpoint and comparative Analysis
> Query-specific analysis and linking trend analysis
> Contextualized topic modeling

Personal Research Assistant

> Automated and personalized analysis
> Natural language report generation
> Explanation of estimated relevance and evidence

User Interface

An insight into European Cultural Heritage: NewsEye will produce a user interface, the NewsEye Demonstrator, through which the developed tools and the three national collections selected for the project will be accessible to the public.

🐦 @NewsEyeEU

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