

contents

<i>Preface</i>	1
I. INTRODUCTION	5
A. Object of the research: some definitions	7
B. Aims and methods	15
C. Models and reality in the field of digital reconstructions	16
D. Attempts to define international standards	34
E. Terminology	36
F. Methodology	62
G. Metadata and paradata in the light of the semantic web	64
H. Accessibility: projects and online platforms	70
II. UNCERTAINTY: CLASSIFICATION AND VISUALISATION	73
A. Methods to assess uncertainty	78
B. Uncertainty visualisation techniques	92
C. Colour and visualisation of information	113
D. Classification of uncertainty	143
E. Uncertainty levels: challenges and critiques	167
III. CASE STUDY: DFG VIEWER AND UNCERTAINTY SCALE	187
A. Description for Wikipedia and Wikidata	192
B. Proposal of a method to declare uncertainty	200
C. Application and validation	202
D. Results	203
E. Uncertainty and level of detail	214
F. Uncertainty visualisation variants	216
G. Making uncertainty data interoperable	226
H. Applying the scale to other models	243

IV. CONCLUSIONS	247
------------------------	------------

V. APPENDIX	253
--------------------	------------

Appendix 1. Chronology of definitions	255
Appendix 2. Some documentation schemes	305
Appendix 3. Speyer Synagogue reconstruction: handout	320
Appendix 4. Speyer Synagogue reconstruction: workflow	336

<i>Acknowledgements</i>	355
<i>List of Figures</i>	357
<i>Bibliography</i>	373