



ICT Consultancy for cultural heritage

*Cultural information
digitally available*

Cultural information is made available by -
among others:

- archives,
- museums,
- libraries and
- archeologists.

The public expects this type of information to be available on the WWW. And despite the differences between the various disciplines preferably in one location. That way unsuspected connections can be found, without coincidence or cumbersome manual work.

*Assistance by a
specialist*

To develop information systems facilitating the accessibility and processibility of cultural information there is need for someone with affinity with, education for and experience in this special field. I can provide in this need.

*That clarifies
matters!*

The purpose of my contribution to a project is a thorough understanding of the chosen solution by all stakeholders. Of course by providing a clear report of the analysis and specifications, but also by verbal explanation. That clarifies matters!

Please feel free to contact me - without any obligations.



Curriculum Vitae

Youth

I was born in Eindhoven in the southern part of The Netherlands (1974) and lived in this region throughout my youth. In 1993 I finished pre-university education.

University

After high-school I studied Computing Science at Eindhoven University of Technology. During this program I did optional courses in history, archival and library sciences at various universities. In 1998 I did a traineeship at the Netherlands Historical Data Archive (NHDA). In 2000 I did my Master Thesis on Knowledge Management at Corus in IJmuiden.

Freelance consultant

Since 2000 I am working as a freelance consultant for digital access to cultural information. In that job I contributed to projects of various clients. Some of these projects led to publications.

And...

I am married to Irene and I am the father of Rinske (2003). In my spare-time I like to investigate my family history and I am singing as a tenor in a choir.



An expert contribution to your project

Analysis of the situation and your needs

In a project for digital access to cultural information I can advise you in what the information system should be able to facilitate. Therefore I perform an information analysis. In this analysis questions are answered like:

- Which information is currently stored?
- Is this information correct and sufficient?
- How is information made available?
- How can standards be applied?

The analysis leads to an advise about how to handle and manage your information.

Design and specification

After the analysis I can provide a design for an information structure for the desired information system. A functional specification ("What should the system be able to do?") can be part of that. In consideration with the software-developer can be determined what technology should be used to realise the system.

Support to your project

During the implementation of an information system I can - independently - support the projectmanager in making (technological) choices. Besides that, I can support the communication with the software-developer.



Representation of historical knowledge

New technology and new insights

To support the practical work with theory, I am investigating representation of historical knowledge. Knowledge representation includes among others datamodeling and the inference of new knowledge. The research has two parts.

The development of new knowledge by humans

Knowledge representation serves a problem and therefore supports the process in which the problem is solved. Historical knowledge is used and created by humans.

The knowledge in resources

Knowledge representation should therefore be investigated from that point of view: how is the search for new knowledge organised and which are the properties of historical knowledge and historical reasoning. Accept for the 'dynamic' aspect of the processes, resources are a more 'static' aspect of cultural knowledge. Every resource has its own specific properties and these are captured in models. Existing standards like Dublin Core, TEI and EAD are very important. New standards like RDF en OWL provide new opportunities in making cultural information more accessible and are therefore studied intensively.



References

- Groene Hart Archieven - Gouda, Alphen a/d Rijn, Woerden
- International Institute of Social History - Amsterdam
- Task Force Digital Accessibility of Archives
- Municipal Archives of the City of Leiden
- Dutch Archive for Graphical Design (NAGO)
- Educational centre for information services (Stg GO)
- Municipal Archives of the City of Delft
- Dutch National Archive
- Edita (Royal Netherlands Academy of Arts and Sciences)
- Digital Library of Dutch Literature (dbnl)
- Municipal Archives of the City of Deventer
- Digitaal Erfgoed Nederland
- Netherlands Institute for Scientific Information



Publications

Until now I mostly (co-)published in Dutch. Here I provide the English translation of the title between brackets. Please feel free to contact me and ask for an English explanation or abstract.

- 2006 Zandhuis, I., XML en de toegankelijkheid van ons cultureel erfgoed (XML and the access to our cultural heritage), in: *!Element* (SGML/XML User Group Holland), (expected 2006)
- 2005 Zandhuis, I. , Towards a genealogical ontology for the Semantic Web, in: Humanities, Computers and Cultural Heritage – proceedings of the 16th international conference of the Association of History and Computing, Amsterdam 2005, p. 296-300.
- 2004 Verstappen, Marijke (red.), Virtuele musea soms nog 'n doolhof : IP's Websitetest VII (Virtual museums often still labyrinths: IP web site test VII), *Informatie Professional*, jrg 8 nr 9 (sep. 2004), p.18-31
- Zandhuis, I., Nieuw registratiesysteem voor het NAGO (A new system for registration for the NAGO), in: *NAGONieuws*, jrg 2004 nr 1 (jan 2004)
- 2003 Zandhuis, I., Het gebruik van Encoded Archival Description bij het Nationaal Archief (The use of Encoded Archival Description at the National Archive), in: *Archievenblad*, jrg 107 nr 4 (mei 2003), p.12-13.
- 2002 Zandhuis, I. en Dijksterhuis, T., Dublin Core bij het Deventer IJselfront-project; een project voor sectoroverschrijdende metadata-ontsluiting (Dublin Core at the Deventer IJselfrontproject; a project for discipline independent accessibility of

metadata), in: *Informatie Professional*, jrg 6 nr
3 (mrt 2002), p. 28-31.