Personal profile

Andreas Weber is an associate professor in the research group Knowledge, Transformation & Society (KiTeS). Most of his research and teaching examine the relationship between Science, Technology and Society from a long-term historical and global perspective. Andreas has a special interest in colonial histories of natural history, chemistry and sustainability. This includes research into how computational technologies are and can be used to contextualize digitized archives and collections (e.g. biodiversity heritage collections). Andreas is executive board member and WP2 co-lead of HAIcu (digital Humanities - Artificial Intelligence - Cultural heritage, 2023-2029), a large and multi-annual project in the field of digital humanities.

Characteristic of Andreas’ work is that he combines in-depth archival research with more conceptual thinking. Andreas is editor of the book series Emergence of Natural History (ENH), published by Brill publishers, and is associate editor of the international journal Itinerario. Journal of Imperial and Global Interactions. Andreas also develops and coordinates STS PhD training for WTMC - the Netherlands Graduate Research School of Science, Technology, and Modern Culture. Andreas has also co-curated an internationally well-received museum exhibition on the history of recycling. The exhibit was on displayed at the Dutch National Museum for the History of Science and Medicine (=Rijksmuseum Boerhaave) in Leiden from 2015 to 2016, and the Fries Museum from 2016 to 2018. This exhibition has received an ‘honorary mention’ award in the context of the 2016 international Dibner Award for Excellence in Museum Exhibits competition of the American Society for the History of Technology (SHOT). In early 2019, Andreas also won the Young Talent Award of the Faculty of Behavioural, Management and Social Sciences of the University of Twente.

Andreas holds a MA degree (2005) and a PhD, both from Leiden University (2012). In 2015-2016, Andreas was a John C. Haas fellow of the Science History Institute in Philadelphia. Andreas has also obtained a 1. Staatsexamen (=first degree in teacher’s training to teach at German gymnasia) in History and German Language and Literature from the University of Bamberg (2006).

Research output

**Introduction to the Special Issue on Digital Natural and Cultural Heritage: Opportunities and Challenges**

**STS at work: Perspectives on labour: Spring Workshop**

**WTMC Summer School Algorithmic 2023**

**Roundtable: the archives of global history in a time of international immobility**

**From Green Deal to Cultural Heritage: FAIR Digital Objects and common data spaces**

**Data-Driven storytelling through FAIR data: The challenges in discoverability, cross-domain linking and integrating context**

**Matters of Perspective: Local Visual Expertise and Natural History Drawings in Java, 1820-1850**
Opening up diversity: Summer School
Turnhout, E., Beaulieu, A. & Weber, A., 2022, Netherlands Graduate Research School of Science, Technology and Modern Culture, 28 p. (WTMC Series on Teaching and Learning; vol. 2022, no. 02).

The view from somewhere: Geographies of Knowledge and STS (online) : Autumn Workshop

Kunstenaar op Sumatra: De reisdagboeken en natuurtekeningen van Pieter van Oort (1833-1834)

Schreeuwende apen, zingende vogels en fluitende kogels: Natuuronderzoek op Sumatra in oorlogstijd (1833-1834)

Material Sensibilities: Writing Paper and Chemistry in the Netherlands and beyond, ca. 1800

Kunstenaar op Java: De reisdagboeken en natuurtekeningen van Pieter van Oort (1825-1833)

Natural History Collections and Empire

Large-scale zero-shot learning in the wild: classifying zoological illustrations

COLCO 2020: Proceedings of the International Conference Collect and Connect: Archives and Collections in a Digital Age

A New Political Sociology of Science

Datafying non-humans

Emerging innovations as systems: Fall workshop

Epistemic corruption: Summer school

Preface
Trust and truth: Spring workshop

Natuurkundige Commissie Archives Online (Visual edition)

MONK in Practice: Indexing Heterogeneous Handwritten Collections

Over krokodillenvangers en schedeltentoonstellingen

The Human Infrastructure of Artificial Intelligence

Semantic Annotation of Natural History Collections

Locations of Knowledge in Dutch Contexts

The Netherlands as a Laboratory of Knowing: Introduction to Locations of Knowledge in Dutch Contexts

Collecting Colonial Nature: European Naturalists and the Netherlands Indies in the Early Nineteenth Century

The Semantic Field Book Annotator

"Historians Should Explore Rather Than Sticking with What They Know": Interview with Professor Harold Cook, Brown University

Automated semantic annotation of species names in handwritten texts

Linking natural history collections

Notes on the reviewing of learned websites, digital resources and tools
Building a WebVR environment to bring historical shipping data alive  

Book review of: Global Scientific Practice in an Age of Revolutions, 1750–1850. Edited by Patrick Manning and Daniel Rood.  

Priming Digitisation: Learning the Textual Structure in Field Books  

Towards a Digital Infrastructure for Illustrated Handwritten Archives  

A Garden as a Niche: Botany and Imperial Politics in the Early Nineteenth century Dutch Empire  

A Workflow for the Semantic Annotation of Field Books and Specimen Labels  

From Handwritten Manuscripts to Linked Data  

Laborious Transformations: Plants and Politics at the Bogor Botanical Gardens  

Special issue: Laborious Transformations: Plants and Politics at the Bogor Botanical Gardens  


Toward VR eventscapes for spatio-temporal access to digital maritime heritage  

Renegotiating Debt: Chemical Governance and Money in the Early Nineteenth-Century Dutch Empire  

Verslag uit de jungle is ook jungle van papier: interview door Geertje Dekkers met Andreas Weber en Lambert Schomaker  

World histories of science and material exchange  
A Linked Data Approach to Disclose Handwritten Biodiversity Heritage Collections

Book review of: Spaces of Global Knowledge: Exhibition, encounter and exchange in an age of empire by Diarmid A. Finnegan and Jonathan Jeffrey Wright (eds.)

Hout, poep, en hydrometers: Chemische kennis en het bestuur van het Nederlandse koloniale rijk in Azië in de vroege negentiende eeuw,

Over zilver essays en sjoemelende muntmeesters in Nederland en de voormalige koloniën
Weber, A., 29 Nov 2016, p. -.

Making sense of illustrated handwritten archives

Making sense of illustrated handwritten archives


An imaginary of trust: Managing Coins in Java in the early nineteenth century

Mineral futures in the making: The Rare Earth Information Center (RIC) in Iowa as case
Weber, A., 3 Mar 2015, p. -.


Making money circulate: Chemistry and ‘governance’ in the career of coins in the early 19th-century Dutch empire

Governing fluids: Hydrometers in Dutch Empire, 1780-1830

Bitter fruits of accumulation: The case of Caspar Georg Carl Reinwardt (1773–1854)


Book review of: Koloniale Schweiz: Ein Stück Globalgeschichte zwischen Europa und Südostasien (1860-1930) by Andreas Zangger

Book review of: Silent messengers: the circulation of material objects of knowledge in the early modern Low Countries by Sven Dupré and Christoph Lüthy (eds.)

Book review of: Translating Knowledge in the Early Modern Low Countries by Harold J. Cook and Sven Dupré (eds.)

Book review of: Zuivere en toegepaste wetenschap in de tropen by W. van der Schoor

Hybrid Ambitions: Science, Governance, and Empire in the Career of Caspar C.G. Reinwardt (1773-1854)


Book review of: The floracrats: State-sponsored science and the failure of Enlightenment in Indonesia by Andrew Goss

Martinus van Marum en Casper Georg Carl Reinwardt. Vriendschap, planten en musea.

"You turn a page and then there is suddenly something on a turtle": An interview with Jürgen Osterhammel

An Interview with Thee Kian Wie: "I am an Indonesian of Chinese origin and am neither better nor worse than any other average Indonesian"

An Interview with Thee Kian Wie: "I am an Indonesian of Chinese origin and am neither better nor worse than any other average Indonesian"

Sprache im ‘Zwischenraum’: Adriaan David Cornets de Groot jun. (1804-1829) als multilingualer Grenzgänger im zentraljavanischen Surakarta
Encountering the Netherlands Indies: Caspar G.C. Reinwardt's Field Trip to the East (1816-1822)

Activities

Linking and Understanding Sources: Weather, Nature and Agriculture in the Netherlands East Indies, 1800 – 1850
Andreas Weber (Speaker)
22 Aug 2023

Studium Generale Lezing Leiden University: Schedels en vliegende draakjes: over de koloniale wortels van Nederlandse natuurhistorische collecties
Andreas Weber (Speaker)
11 May 2023

Keynote lecture: Research material on climate and meteorology in the Dutch East Indies
Andreas Weber (Keynote speaker)
9 Mar 2023

Surveying climate, nature, and agriculture in Indonesia, 1800 – 1850
Andreas Weber (Speaker)
7 Mar 2023

Crocodiles of Empire: A Collection Ecology of False Gharials from Borneo
Andreas Weber (Speaker)
7 Jul 2022

Contested Expertise: Trust in Science and Technology
Andreas Weber (Chair), Abel Streefland (Chair), Fokko Jan Dijksterhuis (Chair), Tim Overkempe (Chair) & Marijn Prakke (Chair)
17 Jun 2022 → 18 Jun 2022

Lokale visuele expertise en natuurhistorische tekeningen op Java, 1820-1850
Andreas Weber (Speaker) & Sylvia van Zanen (Speaker)
16 Jun 2022

Keynote lecture: Cultural Bias of (Digitized) Natural History Collections
Andreas Weber (Keynote speaker)
3 Jun 2022

PhD examination committee: Krishna Kumar Thirukokaranam Chandrasekar (U Ghent)
Steven Verstockt (Examiner), Sofie van Hoecke (Examiner), Quentin J. Groom (Examiner), Dieter de Witte (Examiner), Andreas Weber (Examiner), Hiep Luong (Examiner) & Aleksandra Pizurica (Examiner)
Jun 2022 → 5 Jul 2022

Annual Meeting of the History of Science Society (HSS) 2021
Andreas Weber (Chair) & Fenneke Sysling (Chair)
20 Nov 2021

Annual Meeting of the History of Science Society (HSS) 2021
Fenneke Sysling (Chair) & Andreas Weber (Chair)
19 Nov 2021

Bridging the collaboration gap: Europeana, DISSCo & DARIAH through FAIR integration of cultural and natural heritage data for interdisciplinary research
Sally Chambers (Speaker), Sharif Islam (Speaker), Tina Loo (Speaker), Andreas Weber (Speaker) & Erzsébet Tóth-Czifra (Speaker)
11 Nov 2021

**German Maritime Museum / Leibniz Institute for Maritime History**
Andreas Weber (Visiting researcher)
8 Nov 2021 → 9 Nov 2021

**Future heritage of smart cities**
Michael H. Nagenborg (Participant), Andreas Weber (Participant), Yashar Saghai (Participant), Sanna Lehtinen (Participant) & Delfina Fantini van Ditmar (Participant)
2 Jul 2021

**Roundtable contribution to "Science, Technology, and Senses"**
Andreas Weber (Speaker)
17 May 2021

**3D Replicas of Nature: Challenges and Opportunities**
Andreas Weber (Speaker)
14 Apr 2021

**Invited seminar talk: Governance of and by Paper: Natural History and the Dutch Empire in Southeast Asia, 1800-1850**
Andreas Weber (Speaker)
15 Mar 2021

**Arcadia: Explorations in Environmental History (Journal)**
Andreas Weber (Reviewer)
19 Feb 2021

**13th International Conference on Agents and Artificial Intelligence, ICAART 2021**
Andreas Weber (Chair), Marieke van Erp (Chair) & Maarten Heerlien (Chair)
4 Feb 2021

**Ambix (Journal)**
Andreas Weber (Reviewer)
Feb 2021

**ACM journal on computing and cultural heritage (Journal)**
Andreas Weber (Guest Editor), Maarten Heerlien (Guest Editor), Eulàlia Gassó Miracle (Guest Editor) & Katherine Wolstencroft (Guest Editor)
2021 → 2023

**Member of doctoral examination committee**
Andreas Weber (Examiner)
2021

**Collect & Connect: Archives and Collections in a Digital Age 2020**
Andreas Weber (Chair), Katherine Wolstencroft (Chair), Eulàlia Gassó Miracle (Chair), Maarten Heerlien (Chair), Jaap van den Herik (Member of programme committee) & Fons Verbeek (Member of programme committee)
23 Nov 2020 → 24 Nov 2020

**Digital Humanities and the Future of Natural History**
Andreas Weber (Speaker)
9 Oct 2020

**Artificial intelligence and digitized natural history collections**
Andreas Weber (Speaker)
Isis (Journal)
Andreas Weber (Reviewer)
13 Aug 2020

Hoe zero shot learning de wereld verandert
Jaap van den Herik (Speaker), Lise Stork (Speaker), Andreas Weber (Speaker) & Katherine Wolstencroft (Speaker)
22 Jun 2020

12th International Conference on Agents and Artificial Intelligence< IACAART 2020
Andreas Weber (Chair), Marieke van Erp (Chair) & Maarten Heerlien (Chair)
22 Feb 2020

Natuurhistorisch erfgoed digitaal
Andreas Weber (Speaker)
20 Feb 2020

7th Digital Humantities Benelux 2020 (Event)
Andreas Weber (Member)
2020

Botanical Networks and Empire
Andreas Weber (Speaker)
10 Dec 2019

Ai in het Museum: Kansen en Uitdagingen
Andreas Weber (Speaker)
26 Nov 2019

Commentary on Panel: Technology and Postcoloniality of/in the Global South
Andreas Weber (Speaker)
26 Oct 2019

International summer course: Technology & Society 2019
Andreas Weber (Organiser) & Jan Peter Bergen (Organiser)
12 Aug 2019 → 19 Aug 2019

Entertainment computing (Journal)
Andreas Weber (Editor)
Aug 2019 → …

Governing Fluids: Hydrometers, Saltpeter and Empire in the Early Nineteenth Century World
Andreas Weber (Speaker)
31 Jul 2019

Over orang-oetangs en vliegende boomkikkers: A.R. Wallace en andere reizigers in het Maleisische Archipel
Andreas Weber (Speaker)
19 May 2019

Notes and Records of the Royal Society of London (Journal)
Andreas Weber (Reviewer)
Mar 2019
Material Sensibilities: Paper, Chemistry, and Recycling in the Netherlands and beyond, ca. 1800
Andreas Weber (Speaker)
27 Feb 2019

Natuurhistorisch erfgoed digitaal
Andreas Weber (Speaker)
20 Feb 2019

Expertenwissen, Rohstoffkreisläufe und Chemie in den niederländischen Kolonien um 1800
Andreas Weber (Speaker)
30 Jan 2019

Digital Needs of Humanities Researchers (in the context of digitized Biodiversity Heritage Collections)
Andreas Weber (Speaker)
14 Jan 2019

12th International Conference on the History of Chemistry 2019
Andreas Weber (Organiser)
2019

Advice on re-design of permanent exhibition OYFO Hengelo
Adri A. Albert de la Bruheze (Advisor) & Andreas Weber (Advisor)
2019 → …

Brill (Publisher)
Andreas Weber (Editor), Aaron Bauer (Editor), Kay Etheridge (Editor) & Dominik Hünniger (Editor)
2019 → …

Digital Humanities conference 2019 (Event)
Andreas Weber (Reviewer)
2019

Internship development and supervision
Andreas Weber (Participant), Marti Huetink (Coordinator) & Lambert Schomaker (Participant)
2019

Itinerario (Journal)
Andreas Weber (Associate Editor)
2019 → …

Contribution to round table discussion
Andreas Weber (Contributor)
7 Dec 2018

The colonial legacy of Dutch natural history collections
Andreas Weber (Participant)
7 Dec 2018

Member of Doctorate Committee (lees- en oppositiecommissie) E. Gassó Miracle (Leiden University)
Andreas Weber (Examiner)
Nov 2018 → 18 Sept 2019
History of Science and Technology in Indonesia
Andreas Weber (Speaker)
16 Oct 2018

Gadjah Mada University
Andreas Weber (Visiting researcher)
15 Oct 2018 → 22 Oct 2018

Acta Universitatis Wratislaviensis. Neerlandica Wratislaviensia (Journal)
Andreas Weber (Reviewer)
5 Oct 2018

Building a WebVR environment to bring historical shipping data alive
Luis Calisto (Speaker), Ieva Dobraja (Contributor), Yuhang Gu (Contributor), Andreas Weber (Contributor), Jelle van Lottum (Contributor), Marti Huetink (Contributor) & Menno-Jan Kraak (Contributor)
31 Aug 2018

Andreas Weber (Speaker)
27 Aug 2018

Itinerario (Journal)
Andreas Weber (Associate Editor)
Jun 2018

Linschoten-Vereeniging (External organisation)
Andreas Weber (Member)
May 2018 → …

Natural Historical Archives as Digital Challenge and Opportunity
Andreas Weber (Keynote speaker)
7 Feb 2018

Early Modern Low Countries (Journal)
Andreas Weber (Reviewer)
2018

Emergence of Natural History (Journal)
Kay Etheridge (Member of editorial board), Aaron Bauer (Member of editorial board), Dominik Hünninger (Member of editorial board) & Andreas Weber (Member of editorial board)
2018

Maritiem Portaal (External organisation)
Andreas Weber (Member)
2018 → 2020

Andreas Weber (Chair), Robert-Jan Wille (Organiser) & Paul Kessler (Organiser)
19 Oct 2017

Andreas Weber (Participant)
19 Oct 2017
9th EUROSEAS Conference 2017
Andreas Weber (Organiser) & Agus Suwygnyo (Organiser)
17 Aug 2017

Plants, Networks, and Empire: Towards a New History of the Botanical Garden in Bogor in the Early Nineteenth Century
Andreas Weber (Speaker)
17 Aug 2017

CuriousU 2017
Andreas Weber (Chair)
Aug 2017

Towards a Digital Infrastructure for Illustrated Handwritten Archives
Mahya Ameryan (Speaker) & Andreas Weber (Speaker)
24 May 2017

BMGN : the Low Countries historical review (Journal)
Andreas Weber (Reviewer)
2017

Brill (Publisher)
Andreas Weber (Editor)
2017 → …

Studying Empire’s Nature: Natural Historical Archives as Digital Challenge and Opportunity
Andreas Weber (Speaker)
17 Nov 2016

Automatische handschriftenherkenning in 19e eeuwse dagboeken als casus voor het MONK-systeem
Andreas Weber (Speaker) & Lambert Schomaker (Speaker)
13 Oct 2016

Making Governance Work: Paper in the Dutch Empire, 1790-1820
Andreas Weber (Speaker)
7 Apr 2016

Natural Historical Archives as Digital Challenge
Andreas Weber (Speaker)
8 Mar 2016

Chemical Heritage Foundation
Andreas Weber (Visiting researcher)
Aug 2015 → May 2016

Making Governance Work: Paper in the Dutch Empire, 1790-1820
Andreas Weber (Speaker)
1 Feb 2015

CuriousU 2017
Andreas Weber (Chair)
Dec 2008

Prizes
'Honorary mention' in the 2016 international competition for the Dibner Award for Excellence in Museum Exhibits of the American Society for the History of Technology, SHOT
van Driel (former PhD student), Joppe (Recipient), Weber, Andreas (Recipient) & Roberts, Lissa (Recipient), 2016

**Best Poster Award IEEE eScience Conference 2018**
Stork, Lise (Recipient), Weber, Andreas (Recipient), Gasso Miracle, Eulalia (Recipient) & Wolstencroft, Katherine (Recipient), 1 Nov 2018

**Best teacher award 2020/21 in the MSc program Philosophy of Science, Technology, and Society**
Weber, Andreas (Recipient), Apr 2021

**Best teacher award 2021/22 in the MSc program Philosophy of Science, Technology, and Society (PSTS)**
Weber, Andreas (Recipient), Mar 2022

**John C. Haas postdoctoral fellowship (Chemical Heritage Foundation, CHF)**
Weber, Andreas (Recipient), 2015

**Young Talent award of the Faculty of Behavioural, Management and Social sciences (BMS) of the University of Twente (2019)**
Weber, Andreas (Recipient), 14 Jan 2019

2017 Lorem ipsum dolor sit amet
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