

Andreas Weber
Assistant Professor
Science, Technology & Policy Studies
Email: a.weber@utwente.nl
Web address: <https://people.utwente.nl/a.weber>



Personal profile

Andreas Weber is an assistant professor in the department of Science, Technology and Policy Studies (STePS). Most of his research and teaching examines the relationship between **Science, Technology and Culture (=STC)** from a long-term and global perspective. Andreas has a special interest in the history of natural history and chemistry in insular Southeast Asia and Europe. This includes research into how computational technologies can be used to increase access to and learn from biodiversity heritage collections gathered in colonial Indonesia. His research in the digital heritage domain also allows him to reflect upon how the growing use of computational technologies impacts research in the humanities, and, more generally, our understanding of culture and technology in society.

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*. *Itinerario* is published by Cambridge University Press (CUP).

Andreas has also co-curated an internationally well-received museum exhibition on the history of recycling. The exhibit was on display 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 gymnasias) in History and German Language and Literature from the University of Bamberg (2006).

Research output

Semantic Annotation of Natural History Collections

Stork, L., Weber, A., Gassó Miracle, E., Verbeek, F., Plaat, A., van den Herik, J. & Wolstencroft, K., Dec 2019, In : *Web Semantics*. 59, 13 p., 100462.

Locations of Knowledge in Dutch Contexts

Dijksterhuis, F. J. (ed.), Weber, A. (ed.) & Zuidervaart, H. (ed.), 21 Oct 2019, Koninklijke Brill NV, Leiden. 322 p. (*Knowledge Infrastructure and Knowledge Economy*; vol. 6)

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

Dijksterhuis, F. J. & Weber, A., 21 Oct 2019, *Locations of Knowledge in Dutch Contexts*. Davids, K. & Stewart, L. (eds.). Koninklijke Brill NV, Leiden, p. 1-14 14 p. (*Knowledge Infrastructure and Knowledge Economy*; vol. 6).

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

Weber, A., 26 Sep 2019, In : *BMGN : the Low Countries historical review*. 134, 3, p. 72-95

The Semantic Field Book Annotator

Stork, L., Weber, A. & Wolstencroft, K., 19 Jun 2019.

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

Mostert, T. & Weber, A., 7 May 2019, In : *Itinerario*. 43, Special issue 1, p. 1-13 13 p.

Automated semantic annotation of species names in handwritten texts

Stork, L., Weber, A., van den Herik, J., Plaat, A., Verbeek, F. & Wolstencroft, K., 7 Apr 2019, *Advances in Information Retrieval: 41st European Conference on IR Research, ECIR 2019, Proceedings, Part I*. Azzopardi, L., Stein, B., Fuhr, N., Mayr, P., Hauff, C. & Hiemstra, D. (eds.). Cham: Springer, p. 667-680 14 p. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); vol. 11437 LNCS).

Notes on the reviewing of learned websites, digital resources and tools

Post, A-L. & Weber, A., Dec 2018, In : *Isis*. 109, 4, p. 796-800

Building a WebVR environment to bring historical shipping data alive

Calisto, L. F., Dobraja, I., Gu, Y., Weber, A., van Lottum, J., Huetink, M. & Kraak, M. J., 31 Aug 2018, p. 1. 1 p.

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

Stork, L., Weber, A., Gasso Miracle, E. & Wolstencroft, K., 13 Jun 2018, In : *Biodiversity Information Science and Standards*. 2, e25839.

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

Weber, A., May 2018, In : *Journal of Modern History*. 90, 2, p. 415-417 3 p.

Priming Digitisation: Learning the Textual Structure in Field Books

Stork, L., Wolstencroft, K., Weber, A., Verbeek, F. & Plaat, A., Apr 2018.

Towards a Digital Infrastructure for Illustrated Handwritten Archives

Weber, A., Ameryan, M., Wolstencroft, K., Stork, L., Heerlien, M. & Schomaker, L., Mar 2018, *Digital Cultural Heritage*. Ioannides, M. (ed.). Springer, p. 155-166 12 p. (Lecture Notes in Computer Science LNCS; vol. 10605).

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

Weber, A., 2018, In : *Studium*. 11, 3, p. 178-190 13 p.

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

Stork, L., Weber, A., Gasso Miracle, E. & Wolstencroft, K., 2018.

From Handwritten Manuscripts to Linked Data

Stork, L., Weber, A., van den Herik, J., Plaat, A., Verbeek, F. & Wolstencroft, K., 2018, *Digital Libraries for Open Knowledge: 22nd International Conference on Theory and Practice of Digital Libraries, TPDL 2018, Porto, Portugal, September 10–13, 2018, Proceedings*. Méndez, E., Crestani, F., Ribeiro, C., David, G. & Correia Lopes, J. (eds.). Springer, Vol. 11057. p. 330-334 4 p. (Lecture Notes in Computer Science; vol. 11057)(Information Systems and Applications, incl. Internet/Web, and HCI).

Laborious Transformations: Plants and Politics at the Bogor Botanical Gardens

Weber, A. & Wille, R-J., 2018, In : *Studium*. 11, 3, p. 169-177 8 p.

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

Weber, A. (ed.) & Wille, R-J. (ed.), 2018, (Accepted/In press) In : *Studium*. 11, 3

Studying Colonial Nature: Foreign Naturalists in the Dutch Indies in the Early 19th century

Weber, A., 2018, (In preparation).

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

Kraak, M. J., Weber, A., van Lottum, J. & Engelhardt, Y., 2018, p. 413-414. 2 p.

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

Weber, A., Dec 2017, *Compound Histories Materials, Governance and Production, 1760-1840*. Roberts, L. & Werrett, S. (eds.). Leiden: Koninklijke Brill NV, Leiden, p. 205-225 20 p. (Cultural Dynamics of Science; vol. 2).

Verslag uit de jungle is ook jungle van papier: interview door Geertje Dekkers met Andreas Weber en Lambert Schomaker
Weber, A., 3 Jul 2017, In : Volkskrant. p. 20-20 1 p.

World histories of science and material exchange

Weber, A., Jun 2017, In : Journal of World History. 28, 1, p. 178-183 5 p.

A Linked Data Approach to Disclose Handwritten Biodiversity Heritage Collections

Stork, L. & Weber, A., 2017, p. 10-13. 4 p.

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.)

Weber, A., 2017, In : Isis. 108, 2, p. 453-454 4 p.

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

Weber, A., 2017, *Dingen die ergens toe dienen: Verhalen over materiële cultuur van wetenschap*. van Gelder, E., Jorink, E., Nieuwland, I., Rijks, M. & Spruit, A. (eds.). Uitgeverij Verloren, p. 32-35 4 p.

Over zilver essays en sjoemelende muntmeesters in Nederland en de voormalige koloniën

Weber, A., 29 Nov 2016, p. -.

Making sense of illustrated handwritten archives

Weber, A., Ameryan, M., Stork, L., Wolstencroft, K., Gasso Miracle, E., Nijssen, S., Wiering, M., Heerlien, M., Thijssen, M., Huetink, M., Verbeek, F., Plaat, A., Kok, J., Roberts, L. L., van den Herik, J. & Schomaker, L., 13 Oct 2016, p. -.

Making sense of illustrated handwritten archives

Schomaker, L., Weber, A., Thijssen, M., Heerlien, M., Plaat, A., Nijssen, S., Verbeek, F., Lew, M., Gasso Miracle, E., Wolstencroft, K., Suvyer, E., Verheij, B., Wiering, M., Dekker, R., Kok, J., Roberts, L. L. & van den Herik, J., 11 Jul 2016, *Conference abstracts Digital Humanities 2016*. Krakow, p. 764-766

Book review of: Of Whales and Dinosaur. The Story of Singapore's Natural History Museum, written by Kevin Y.L. Tan

Weber, A., 2016, In : Bijdragen tot de taal-, land- en volkenkunde. 172, 1, p. 150-151

Book review of: Trade and Empire in Early Nineteenth Century Southeast Asia. Gillian Maclaine and his Business Network by Knight, G. Roger

Weber, A., 2016, In : Bijdragen tot de taal-, land- en volkenkunde. 172, 4, p. 573-574

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

Weber, A., 25 Jun 2015, p. -.

Mineral futures in the making: The Rare Earth Information Center (RIC) in Iowa as case

Weber, A., 3 Mar 2015, p. -.

Book review of: Das Kosmoskop, Karten und ihre Benutzer in der Pflanzengeographie des 19. Jahrhunderts by Nils Güttler

Weber, A., 2015, In : Isis. 106, 2, p. 459-460

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

Weber, A., 26 Sep 2014.

Governing fluids: Hydrometers in Dutch Empire, 1780-1830

Weber, A., 10 Apr 2014.

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

Weber, A., 2014, In : History of science. 52, 3, p. 297-318

Book review of: Der grüne Baron. Georg Heinrich von Langsdorff, der Humboldt Brasiliens, und seine Expedition von Rio de Janeiro zum Amazonas 1822-1829 by Dieter Strauss

Weber, A., 2014, In : Jahrbuch für europäische Überseegeschichte. 14, p. -

Book review of: Ein Leben für die Zoologie. Die Reisen und Forschungen des Johan Baptist Ritter von Spix by Klaus Schönitzer

Weber, A., 2014, In : Jahrbuch für europäische Überseegeschichte. 14, p. 309-311

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

Weber, A., 2014, In : Studium. 7, 1, p. 56-57

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.)

Weber, A., 2014, In : Sehepunkte. 14, 11, p. -

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

Weber, A., 2014, In : Sehepunkte. 14, 11, p. -

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

Weber, A., 2013, In : Tijdschrift voor geschiedenis. 126, 1, p. 136-137

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

Weber, A., 8 May 2012, Leiden: Leiden University Press. 278 p.

Book review of: Der Humbolt von Java. Leben und Werk des Naturforschers Fanz Wilhelm Junghuhn (1809 - 1864).

Weber, A., 2012, In : Bijdragen tot de taal-, land- en volkenkunde. 2012, 1, p. 151-153

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

Weber, A., 2011, In : Bijdragen tot de taal-, land- en volkenkunde. 2011, 2-3, p. 340-342

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

Weiss, M. & Weber, A., 2011, In : Teylers magazijn. 2011, p. 11-13 3 p.

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

Weber, A. & Gommans, J., 2011, In : Itinerario. 35, 3, p. 7-16

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

Weber, A. & Schulte Nordholt, H., 2010, *Merajut sejarah ekonomi Indonesia: Essays in honour of Thee Kian Wie 75 years birthday*. Lindblad, J. T. & Purwanto, B. (eds.). Yogyakarta: Ombak, p. 41-88

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

Weber, A. & Schulte Nordholt, H., 2010, In : Itinerario. 34, 1, p. 9-34

Sprache im 'Zwischenraum': Adriaan David Cornets de Groot jun. (1804-1829) als multilingualer Grenzgänger im zentraljavanischen Surakarta

Weber, A., 2010, *Sprachgrenzen – Sprachkontakte – kulturelle Vermittler. Kommunikation zwischen Europäern und Außereuropäern (16.-20. Jahrhundert)*. Häberlein, M. & Keese, A. (eds.). F. Steiner Verlag, p. 223-243 20 p. (Beitrag zur

Europäischen Überseegeschichte; vol. 97).

Encountering the Netherlands Indies: Caspar G.C. Reinwardt's Field Trip to the East (1816-1822)

Weber, A., 2009, In : Itinerario. 33, 1, p. 45-60 15 p.

Activities

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 boomkickers: 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

Expertenwissen, Rohstoffkreisläufe und Chemie in den niederländischen Kolonien um 1800

Andreas Weber (Speaker)

30 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 → ...

Digital Humanities conference 2019 (Event)

Andreas Weber (Reviewer)
2019

Internship development and supervision

Andreas Weber (Participant), Marti Huetink (Coordinator), Lambert Schomaker (Participant)
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 Sep 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

Studying Colonial Nature: Foreign Naturalists in the Dutch Indies in the Early 19th century

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

International Symposium: Managing Alliances: Plant Science at Bogor Botanical Gardens, 1817-2017

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

International Symposium: Managing Alliances: Plant Science at Bogor Botanical Gardens, 1817-2017

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

Governance and Ethics of Technology (CuriousU: international summer school)

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 (CHF), Philadelphia

Andreas Weber (Visiting researcher)

Aug 2015 → May 2016

Making Governance Work: Paper in the Dutch Empire, 1790-1820

Andreas Weber (Speaker)

1 Feb 2015

Governance and Ethics of Technology (CuriousU: international summer school)

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

Joppe van Driel (former PhD student) (Recipient), Andreas Weber (Recipient) & Lissa Roberts (Recipient), 2016

Best Poster Award IEEE eScience Conference 2018

Lise Stork (Recipient), Andreas Weber (Recipient), Eulalia Gasso Miracle (Recipient) & Katherine Wolstencroft (Recipient), 1 Nov 2018

John C. Haas postdoctoral fellowship (Chemical Heritage Foundation, CHF)

Andreas Weber (Recipient), 2015

Young Talent award of the Faculty of Behavioural, Management and Social sciences (BMS) of the University of Twente (2019)

Andreas Weber (Recipient), 14 Jan 2019

2017	Lorem ipsum dolor sit amet
2016	Lorem ipsum dolor sit amet
2015	Lorem ipsum dolor sit amet
2014	Lorem ipsum dolor sit amet
2013	Lorem ipsum dolor sit amet