CENTRE FOR INFORMATION MODELLING
AUSTRIAN CENTRE FOR DIGITAL HUMANITIES

Annual Report 2020

CENTRE FOR
INFORMATION-MODELLING
AUSTRIAN CENTRE FOR
DIGITAL HUMANITIES

UNI GRAZ

INTRODUCTION

2020 was a year that further advanced the digital transformation. The ZIM's profile meshed perfectly with this development and the creation of digital representations of cultural heritage data and objects has been advanced in 2020 in a large number of projects funded by the EU (H2020, Erasmus+, DARIAH ERIC, ERC), Austrian funding agencies (FWF, funding programmes of the Austrian Academy of Sciences), and funders outside of Austria (Mellon Foundation, British Academy), as well as regional funders (Styria Region) and direct contributions from individual research partners (University of Roehampton, University of Salzburg).

The ZIM has thus been able to consolidate its position as an internationally renowned research unit while maintaining its function as a local partner for a large number of third-party funding projects in the Faculty of Humanities. Leif Scheuermann's ERC win, only one year after his habilitation in 2019, speaks to the world-class research being done here. The ZIM is the first humanities department at the University of Graz to succeed in such a prestigious application. In the past year, relations with the partners of the University's field of excellence "Dimensions of Europeanisation" and the research network "Human Factor in the Digital Transformation" have also been further developed (cooperation with the Centre for Jewish Studies, and the Institutes for Pedagogical Professionalisation, for System Sciences and for Economics).

The year 2020 began with BMBWF events on the state of the digital transformation in Austria. The ZIM was actively involved in those events, one of which was explicitly planned and organised at the initiative of ZIM („Digital Humanities in Österreich" 24.1.2020). In the national research landscape, ZIM maintained its leading position, with Walter Scholger taking the role of spokesperson for the CLARIAH consortium (the Austrian organisation within the EU DARIAH network) and with the beginning of the project "Digital Transformation of the Austrian Humanities" led by the University of Graz (BMBWF funding), while Helmut Klug and his team are still working on the final phase of its predecessor project, KONDE. Walter Scholger's activity on the board of the Association of Digital Humanities in the German-speaking world (DHd), Martina Scholger's leadership of the Technical Council of the TEI, and the review activities of many staff members for international research funding agencies and international publications are further signs that the ZIM enjoys an excellent reputation within the scientific community.

2020 will certainly be remembered by most as the year of the pandemic - and our Centre was able to directly contribute in line with its research objectives, with a review of museums' digital responses to COVID19 by Chiara Zuanni and Sabrina Melcher (http://digitalmuseums.at/). However, COVID19 also caused us problems: the upcoming conference of the International Association of Digital Humanities, the "DH Conference", hosted by the University of Graz, was postponed from 2022 to 2023; we had to cancel events, and had to cancel many of our own planned appearances. International guests such as the JESH Fellow Zarko Vujosević (Belgrade) and the doctoral students from our cooperation with the University of Potenza could only be reached via video conference. These collaborations were nevertheless personally and academically enriching!

Despite all the hurdles, the conversion to online teaching has been successful, so that digital formats for teaching and examinations are now established. The first students of the Master's programme, which was established in 2017, have earned their academic degrees, and we would like to offer our collective congratulations. The ZIM is also pleased and honoured that some graduates are taking up doctoral studies with us. In 2020, we were able to modernise the curriculum of the Master's programme "Digital Humanities" and are pleased that the discipline is now part of all curricula at the Faculty of Humanities as elective subject. This once again underlines the bridging function of ZIM and the digital humanities in general, which continuously picks up on current technical developments and integrates them meaningfully into research work in the humanities.
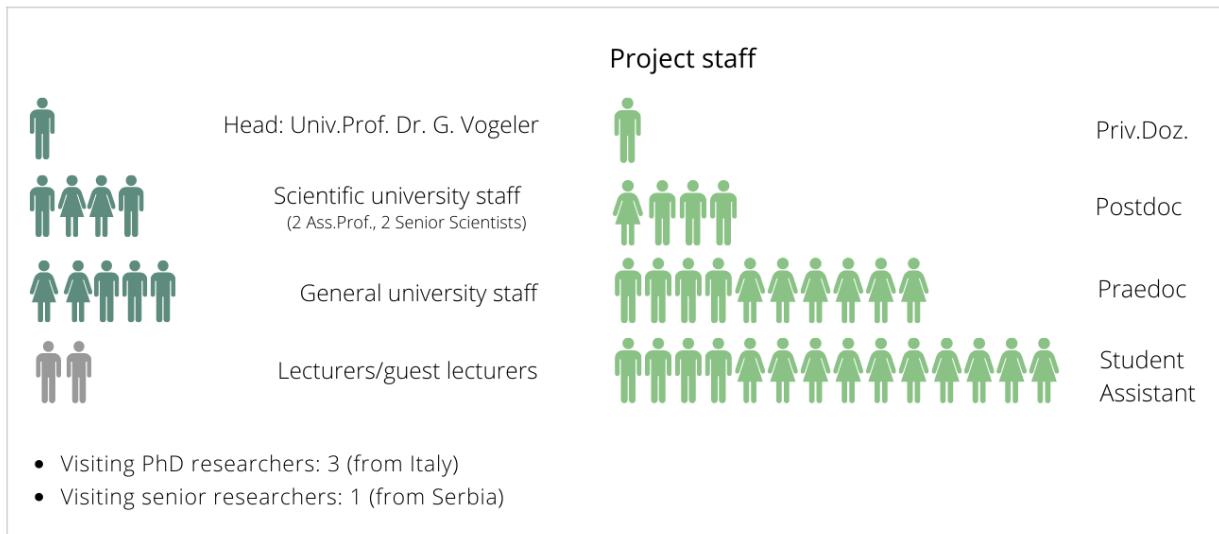
The acquisition of third-party funding in particular would not be possible without the hard work on the technical infrastructure of the centre, the GAMS. In 2020, it also led to our recognition as a CLARIN-B-Center in the European research infrastructure for language resources, thanks to the tireless work of Gerlinde Schneider. This infrastructure functions smoothly thanks to the faculty's generous endowment of non-scientific staff and the dedicated support of the university IT. Johannes Stigler has taken on the task of adapting GAMS to new technical developments as part of an extensive migration project and is tirelessly driving it forward. With his retirement in 2021, he will leave a sizeable gap that can only be filled by the team spirit of all scientific and technical staff. This is all the more our concern because GAMS, as a major outcome of the research activities at ZIM, formulates the humanities faculty's answer to the pressing questions of research data management and preservation.

2020 was a year that further advanced the digital transformation - and ZIM played its role responsibly and with international respect. At the core of this success is the ZIM staff - and so I can look ahead to 2021 with optimism.

Georg Vogeler,
Graz, 7th February 2021

STAFF

ZIM includes 41 members of staff, of which 29 through 3rd party funding.

Project staff

Head: Univ.Prof. Dr. G. Vogeler		Priv.Doz.
Scientific university staff (2 Ass.Prof., 2 Senior Scientists)		Postdoc
General university staff		Praedoc
Lecturers/guest lecturers		Student Assistant

- Visiting PhD researchers: 3 (from Italy)
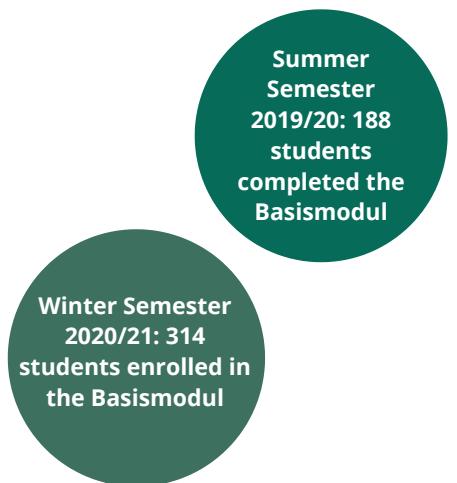- Visiting senior researchers: 1 (from Serbia)

- Bleier, Roman, Mag. MA PhD
- Böhm, Astrid, BA. MA.
- Bürgermeister, Martina, Mag. MA.
- Charvat, Vera, Mag.phil.
- Clausen, Hans, BA MA
- Decker, Erna Gisela
- Dörfler, Franz, BA
- Eibinger, Julia, BA.
- Fruhwirth, Alexander, BA
- Galka, Selina, BA. BA. MA.
- Gangl, Gerlinde, BA.
- *Glatz, Christina, Mag.
- *Hobisch, Elisabeth, Mag. Dr.phil. Bakk.phil.
- Karadkar, Unmil, PhD
- Klug, Helmut Werner, Mag. Dr.phil.
- Koch, Carina, Mag.phil. MA.
- Krottmaier, Sina, BA. BA.
- Lang, Sarah, Mag.phil. BA.
- McLaughlin, Duncan Jeffrey, PhD
- Melcher, Sabrina, Bakk.phil.
- Pollin, Christopher, BA MA

- Posch, Reinhard, Mag.phil.
- Raunig, Elisabeth, BA.
- Saric, Sanja, MA.
- Scheuermann, Leif, Priv.-Doz. Dr.phil.
- Schneider, Gerlinde
- Scholger, Martina, Mag. Dr.phil.
- Scholger, Walter, Mag.phil.
- Sonnberger, Jakob, BA
- Steiner, Christian, Mag.phil. MA
- Steiner, Elisabeth, Mag.phil. MA.
- Stigler, Johannes, Ass.-Prof. Mag. Dr.phil.
- Stoff, Sebastian, BA BA MA MA MA
- *Strohhäcker, Marisa, BEd
- Stüger, Marie, BA.
- Tosques, Fabio, M.A.
- Tscherne, Niklas, BA
- Vasold, Gunter, Mag.
- Vogeler, Georg, Univ.-Prof. Dr.phil. M.A.
- Winslow, Sean Michael, PhD
- Zuanni, Chiara, Ass.-Prof. PhD

* also based in other Institutes

TEACHING

Basismodul

The Basismodul is a module for undergraduates in the Faculty of Humanities, introducing them to key themes in the digital field, with a focus on the digital transformation of humanities research. For example, it covers the functioning of the World Wide Web; media theory and the Web 2.0; information finding for humanities research (e.g. through online archives and library services); digital safety and security; copyright and data protection; cultural institutions in the digital space; digital research methods for textual sources and digital editions; social media research.

Summer Semester 2019/20: 188 students completed the Basismodul

Winter Semester 2020/21: 314 students enrolled in the Basismodul
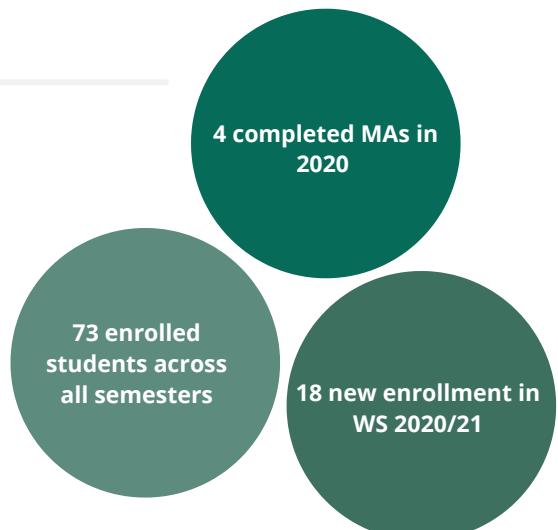
Certificate "Informationsmodellierung"

7 certificates awarded in 2020

Students at the Faculty of Humanities can take this module as part of their elective subjects. The module offers an overview of electronic media and their technological, social and historical implications, and an introduction to digital methods for working with textual sources and with semantic web technologies. At the end, the students receive an official certificate by the University of Graz to document their additional qualification.

MA Digital Humanities

ZIM launched the first MA in Digital Humanities in Austria in 2017/2018. It is a two years MA organised in five modules:

- Module A: Introduction to the Digital Humanities
- Module B: Data structures and Programming
- Module C: Specialised digital methods
- Module D: Sustainability and Research Data
- Module E: Theories and uses of digital humanities research

4 completed MAs in 2020

73 enrolled students across all semesters

18 new enrollment in WS 2020/21

Doctorates

ZIM participates in the Doctoral Programme "Digital Transformation", led by the Human Factor in Digital Transformation research network at the University of Graz.

Besides, there are currently 5 PhD candidates at the Centre for Information Modelling, working on a digital edition of alchemical texts (Sarah Lang), versioning systems in digital humanities (Martina Bürgermeister), multimodal digital editions (Hans Clausen), Linked Open Data between the humanities and life sciences (Christian Steiner), and Knowledge-based Resource Discovery for data in the humanities (Christopher Pollin).

INFRASTRUCTURE

The Centre for Information Modelling develops GAMS (Humanities Asset Management System), within the framework of a large number of collaborative projects with both internal and external university partners, and taking into account the specific requirements of humanities research.

GAMS is a fully OAIS (Open Archival Information System)-compliant asset management system for the management, publication and long-term archiving of digital resources from the Humanities. It enables scholars, researchers and students to manage and publish resources, with a permanent identification and enriched with metadata.

GAMS was first certified as a trusted digital repository in alignment with the principles of the Data Seal of Approval in 2014. Since 2019 we carry the CoreTrustSeal. GAMS is also registered with the Registry of Research Data Repositories.

Since 2019, ZIM is one of around 20 CLARIN-B Centres. CLARIN stands for "Common Language Resources and Technology Infrastructure" and it is the European Research Infrastructure Consortium (ERIC) providing access to digital language data for scholars in the social sciences and humanities.

CLARIN B-Centres are Service Providing Centres and constitute the core of this ERIC. These are units that offers access to resources, services, and tools on a sustainable basis and have passed a series of strict requirements, guaranteeing their conformity to the ERIC.

RESEARCH SPOTLIGHT

Digital Asset Management

This research area focuses on the archive and presentation of humanities research data, also with the development of the GAMS infrastructure.

Stefan Zweig digital catalogues and makes available online materials (manuscripts, typescripts, notebooks, diaries) relating to the work of Stefan Zweig, now dispersed in multiple archives in Austria, Israel, and the United States. The project was led by the Literature Archive Salzburg and ZIM was the technical partner, responsible for the digital archiving of the data with the application of Web of Data technologies.

The project *Picturing Migrant Workers' Lives* contributes to expand the existing *Visual Archive Southeastern Europe* (VASE), in cooperation with the University of Basel, and it aims to develop a visual archive of photographs and postcards.

Digital Editions

Examples of projects exploring the representation of humanities data are:

- A digital edition of the Acts of the Imperial Diet of Regensburg in 1576, in collaboration with the Bavarian Academy of Sciences.
- The *Digital Edition Publishing Cooperative for Historical Accounts*, looking to the potential of developing broad standards for producing semantically enriched digital editions of accounts.

This research area focuses on the representation and analysis of humanities sources and text corpora, drawing on semantic web technologies and the research strand on digital asset management.

ZIM projects draws also on different digital methods to develop digital analysis and research approaches. An example are the two projects that were funded in the ÖAW "go!digital" call:

Distant Spectators: Distant Reading for periodicals of the Enlightenment (PI Martina Scholger; with the Institute for Romance at the University of Graz and TU Graz) uses stylometric, network, and sentiment analysis, as well as topic modelling, to trace the evolution of topics and styles in multilingual texts from the 18th century.

go! digital NEXT GENERATION

Becoming Urban - A Geoinformationsystem for the city of Graz in the long 19th century (PI Leif Scheuermann) is instead using GIS to digitise older maps and research textual sources documenting the evolution of the city of Graz in the 19th century, in collaboration with the GrazMuseum.

Digital Museology

This research area focuses on the digitisation of cultural heritage, the digital transformation of museums and their impact on cultural audiences.

Projects in this area focus on the:
- Digitisation of cultural heritage: using 3D and multispectral technologies (through two work packages in DiTAH).
- Digital skills in museums: the Erasmus+ project *Digital Culture. Improving the Digital Competences and Social Inclusion of Adults in Creative Industries* is developing a MOOC contributing to digital literacy training.
- Digital engagement research: for example, in the HFDT-funded project on the use of museums digital materials in education during the pandemic.
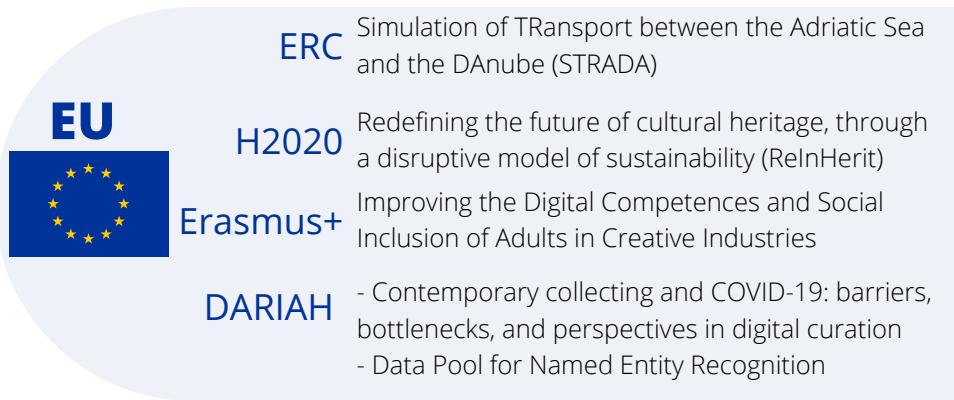
Science Communication

Helmut W. Klug is leading the FWF project *Cooking Recipes of the Middle Ages: Corpus, Analysis, Visualisation.* Additional FWF funding, for the project *Science Ink,* enables the communication of digital humanities research methods to a broader audience.

Impact

Chiara Zuanni led the development of a map of museum digital initiatives during the pandemic, which has been included among key resources for cultural organisations by major international organisations (ICOM; NEMO; Europeana).

PROJECTS

ZIM is currently leading, or participating in, a series of research projects funded by the European Union (with Leif Scheuermann winning an ERC Consolidator Grant in 2020), by the Austrian Government (with Georg Vogeler leading a consortium of universities in a flagship project funded by BMBWF), by the Austrian Science Fund (FWF), and by a series of other international, national, and regional funders.

EU

ERC	Simulation of TRansport between the Adriatic Sea and the DAnube (STRADA)
H2020	Redefining the future of cultural heritage, through a disruptive model of sustainability (ReInHerit)
Erasmus+	Improving the Digital Competences and Social Inclusion of Adults in Creative Industries
DARIAH	- Contemporary collecting and COVID-19: barriers, bottlenecks, and perspectives in digital curation - Data Pool for Named Entity Recognition

FWF
Austrian Science Fund

- Between Composition and Reception: The Authority of Medieval Charters
- Cooking Recipes of the Middle Ages: Corpus, Analysis, Visualisation
- Der Reichstag von 1576
- Kofler intermedial. Kommentierte Werkausgabe Werner Kofler (Radio, Film, Theater)
- Picturing Migrant Workers' Lives
- Power and Diplomacy. The Illuminated Charter in France
- Retain Domain Specific Functionalities in a Generic Repository with Humanities Data
- The Mediality of Diplomatic Communication: Habsburg Envoys in Constantinople in the Mid-17th Century
- Science Ink

BMBWF
Digitale Transformation der österreichischen Geisteswissenschaften

ÖAW
Austrian Academy of Sciences

- Becoming Urban - A Geoinformationsystem for the city of Graz in the long 19th century
- Distant Spectators: Distant Reading for periodicals of the Enlightenment
- Sentiment analysis for 18th century multilingual corpora
- Einrichtung des Österreichischen Zentrums für Digitale Geisteswissenschaften (Beteiligung der ÖAW)
- CLARIAH-AT Consortium

Other Funders

- Digital Edition Publishing Cooperative for Historical Accounts
- University of Virginia/Stanford University Digital Publishing Cooperative: Infrastructure for the Creation, Publication, and Discovery of Digital Scholarly Editions and Projects
- ADHO Annual Digital Humanities Conference 2023
- British Academy Hearth Tax Online Project
- Digitale Edition Stefan Zweig
- Spring School "Linked Data and the Semantic Web for Humanities research"
- The Human Factor in Digital Transformation

Land Steiermark
Lead: Centrum für Jüdische Studien Digitale Erinnerungslandschaft - digitale Erinnerungspädagogik im Umgang mit den Opfern des Nationalsozialismus.

NETWORKS

ZIM is active in a series of networks and its staff contributes to national and international associations.

European Research Infrastructures

ZIM is a CLARIN-B centre, active within the DARIAH-EU ERIC, where it participates in different working groups with leading roles.

ZIM is also co-leading with the ÖAW the development of CLARIAH-AT, the consortium of institutions that coordinates and promotes Austrian activities in the European research infrastructures CLARIN (Common Language Resources and Technology Infrastructure) and DARIAH (Digital Research Infrastructure for the Arts and Humanities).

Digital Humanities Associations

ZIM will be hosting the 2023 Digital Humanities conference by ADHO, the Alliance of Digital Humanities Organisations.

Besides, ZIM members are active within the German, Italian, and Austrian digital humanities associations and, in 2020, have presented at their annual conferences, participating also in their scientific committees.

In addition, ZIM is active in the Research Data Alliance and in the Text Encoding Initiative community. Martina Scholger is Chair of the TEI Technical Council.

Digital cultural heritage associations

ZIM members participates also in digital cultural heritage networks, such as ICARUS, the International Centre for Archival Research, the Austrian Digital Art History community, and Europeana Pro.

In addition, Chiara Zuanni is a member also of museum and heritage networks, such as the Austrian Museum Association and the Association of Critical Heritage Studies (in 2020, participating in the scientific committee for its biennial conference).

INTERNATIONALISATION

In 2020, ZIM staff members have participated - physically or virtually - in events organised by a range of international institutions and organisations. In addition, their research has been featured in a range of media outlets.

ACADEMIC EVENTS
Organisation of an event

Lang, Sarah; Klecker, Elisabeth; Fiska, Patrick; Soukupt, Werner; Fröstl, Michael: *Alchemische Labore. Textliche und materielle Hinterlassenschaften*, Vienna, Austria, 19.02.2020 - 21.02.2020.

Scheuermann, Leif; Reinard Patrick: *Digitale Geschichtswissenschaften und Geschichtsvermittlung in Corona-Zeiten: Herausforderungen – Lösungsansätze – Erfahrungsberichte*, Trier, Germany, 27.11.2020.

Bleier, Roman; Sahle, Patrick; Meiners, Ole; Piotrowski, Swantje: *Coding the Sources – Digitales Edieren in den Geisteswissenschaften. Online Summerschool und Workshop*. Lübeck. 17.08.2020 - 27.08.2020.

Lunchtime Lectures

The Lunchtime Lectures series aims to present current research in the digital humanities to a broad audience. In 2020, we welcomed the following speakers:

- 29. January 2020: Mag. Sabine Fauland (Museumsbund Österreich), *Digitale Transformation in Museen? Zur aktuellen Lage in Österreich.*
- 17. June 2020: Doz. Dr. Zarko Vujosevic (University of Belgrad), *Diplomatarium Serbicum Digitale.*
- 21. October 2020: Dr. Bernhard Geiger (TU Graz), *Understanding Neural Networks with Information Theory.*
- 4. November 2020: Dr hab., prof. IH PAN Marek Słoń (Polish Science Academy), *Geoportal und Quelleneditionen.*
- 16. December 2020: Dr Gabriele Gattiglia und Dr Francesca Anichini (University of Pisa), *Digital archaeological data and research challenges.*

Participation in an event

Böhm, Astrid; Klug, Helmut W.: Die (hyper-)diplomatische Transkription und ihre Erkenntnispotentiale., Bergischen Universität Wuppertal, Wuppertal, Germany, 06.02.2020 - 07.02.2020.

Böhm, Astrid; Klug, Helmut W.: Netzwerktreffen ,Historische Wissens- und Gebrauchsliteratur' , Netzwerk ,Historische Wissens- und Gebrauchsliteratur' , Marburg, Germany, 09.01.2020 - 11.01.2020.

Scholger, Martina: COST Action Distant Reading for European Literary History. Joint Action Meeting, Malaga, Spain, 17.02.2020 - 19.02.2020.

PUBLICATIONS
Edited collections/books

Knaller, Susanne; Pany-Habsa, Doris; Scholger, Martina (Eds.): *Schreibforschung interdisziplinär. Praxis-Prozess-Produkt.* Bielfeld: transcript 2020.

Scheuermann, Leif (Ed.): *Simulation von Handel und Transport in der Antike - Digital Classics Themenheft 6,1.* Heidelberg: Propylaeum 2020.

Journal papers

Koncar, Philipp; Fuchs, Alexandra; Hobisch, Elisabeth; Geiger, Bernhard C.; Scholger, Martina Scholger; Helic, Denis : *Text sentiment in the Age of Enlightenment: an analysis of spectator periodicals,* in: Applied Network Science 5 (2020). DOI: ttps://doi.org/10.1007/s41109-020-00269-z

Lang, Sarah; Spielhofer, Lukas: *Digitale Lernplattformen und Open Educational Resources im altsprachlichen Unterricht I: Technische Spielräume am Beispiel 'Grazer Repositorium antiker Fabeln' (GRaF),* in: Zeitschrift für digitale Geisteswissenschaften 5 (2020), o.S. DOI: 10.17175/2020_004

Lang, Sarah: *Book Review of: Benedek Láng, "Real Life Cryptology. Ciphers and Secrets in Early Modern Hungary",* in: Journal for Intelligence, Propaganda and Security Studies -,1/2019 (2020), 140-142.

Lang, Sarah: *Combined book review of: Katherine Ellison, Susan Kim (eds.), A Material History of Medieval and Early Modern Ciphers. Cryptography and the History of Literacy, Routledge: Oxford 2018. & Katherine Ellison, A Cultural History of Early Modern English Cryptography Manuals, Routledge: Oxford 2017.* in: Journal for Intelligence, Propaganda and Security Studies -,2/2019 (2020), 157-159.

Scheuermann, Leif: *Editorial: Simulation von Handel und Transport in der Antike,* in: Digital Classics online 6,1, Simulation von Handel und Transport in der Antike - Digital Classics Themenheft (2020), 1-4. DOI: https://doi.org/10.11588/dco.0.0.73396

Scheuermann, Leif: *Geschichte der Simulation / Simulation der Geschichte. Eine Einführung,,* in: Digital Classics online 6,1, Simulation von Handel und Transport in der Antike - Digital Classics Themenheft (2020), 4-32. DOI: https://doi.org/10.11588/dco.0.0.73395

Scheuermann, Leif: *Rez.: Dunn, Stuart, A History of Place in the Digital Age, London/New York: Routledge 2019.* in: Orbis Terrarum: Internationale Zeitschrift für historische Geographie der Alten Welt 18 (2020), 290-193.

Scholger, Martina: *Taking Note. Challenges of Dealing with Graphical Content in TEI,* in: Journal of the Text Encoding Initiative 12 (2020), -. DOI: https://doi.org/10.4000/jtei.2800

Spielhofer, Lukas; Lang, Sarah: *Digitale Lernplattformen und Open Educational Resources im altsprachlichen Unterricht II: Didaktische Spielräume am Beispiel ‚Grazer Repositorium antiker Fabeln' (GRaF),* in: Ianus: Informationen zum altsprachlichen Unterricht 41 (2020), 31-43.

Steiner, Christian: *The CANTUS Network Project,* in: Musik und Liturgie in der Diözese Passau im Mittelalter (= Veröffentlichungen des Instituts für Kulturraumforschung Ostbaierns und der Nachbarregionen) 73 (2020), 1-12.

Zuanni, Chiara: *Heritage in a digital world : Algorithms, data, and future value generation,* in: LIMINA - Grazer theologische Perspektiven 3 (2020), 236-260.

Contributions in a collection / Book chapters

Bleier, Roman; Klug, Helmut W.: *Funktion und Umfang des Kommentars in Digitalen Editionen mittelalterlicher Texte: Eine Bestandsaufnahme,* in: Lukas, Wolfgang; Richer, Elke (Eds.), Annotieren, Kommentieren, Erläutern. Aspekte des Medienwandels. (Beihefte zu editio 47). Berlin: deGruyter 2020, 97-112.

Böhm, Astrid; Klug, Helmut W.: *Quellenorientierte Aufbereitung historischer Texte im Rahmen digitaler Editionen: Das Problem der Transkription in mediävistischen Editionsprojekten.* in: Martin Fischer (Ed.), Digitale Methoden und Objekte in Forschung und Vermittlung der mediävistischen Disziplinen. Akten der Tagung Bamberg, 08.–10. November 2018 (Bamberger interdisziplinäre Mittelalterstudien. 15). Bamberg: Univ. of Bamberg Press 2020, 51-72.

Böhm, Astrid: *Aspekte von Performanz in der Kalenderliteratur des Spätmittelalters,* in: Betzwieser, Thomas; Schneider, Markus (Eds.), Aufführung und Edition. Berlin: De Gruyter 2020 (Beihefte zu editio, 46), 1-14. DOI: https://doi.org/10.1515/9783110639261

Bürgermeister, Martina: *An Empirical Study of Versioning in Digital Scholarly Editions,* in: Associazione per l'Informatica Umanistica e la Cultura Digitale (Eds.), La svolta inevitabile: sfide e prospettive per l'Informatica Umanistica. 2020, 55-60.

Bürgermeister, Martina: *Becoming Urban: Ein Spiel mit Räumen,* in: Schöch, Christof (Ed.), DHd 2020 Spielräume: Digital Humanities zwischen Modellierung und Interpretation. Paderborn: - 2020, 277-278.

Bürgermeister, Martina: *Extending Versioning in Collaborative Research,* in: Bleier, Roman; Winslow, Sean M. (Eds.), Versioning Cultural Objects. Norderstedt: BoD 2020, 171-190.

Clausen, Hans; Vejvar, Martin: *Edition und Textanalyse im digitalen Medienwandel. Die Wiener Ausgabe sämtlicher Werke Ödön von Horváths und die digitale Edition von Geschichten aus dem Wiener Wald.* in: Betzwieser, Thomas; Schneider, Markus (Eds.), Aufführung und Edition. Beihefte zu editio. Berlin/Boston: De Gruyter 2020.

Fuchs, Alexandra; Geiger, Bernhard; Hobisch, Elisabeth; Koncar, Philipp; More, Jacqueline; Sarić, Sanja; Scholger, Martina: *Das Theater mit dem Theater: Thementransfer in den Spectators,* in:

Christof Schöch (Ed.), DHd 2020 Spielräume: Digital Humanities zwischen Modellierung und Interpretation. Konferenzabstracts. Paderborn: Universität Paderborn 2020, 291-292. DOI: 10.5281/zenodo.3666690

Fuchs, Alexandra; Geiger, Bernhard; Hobisch, Elisabeth; Koncar, Philipp; Sarić, Sanja; Scholger, Martina: *Behind the Scenes of the Spectators: Uncovering Anonymous Authors in Periodicals of the Enlightenment,* in: Digital Humanities conference 2020 (Ed.), Book of Abstracts. Ottawa: Digital Humanities conference 2020 2020, 574.

Gerhalter, Katharina; Schneider, Gerlinde; Pollin, Christopher; Hummel, Martin: *An annotated corpus of adjective-adverb interfaces in Romance languages,* in: LREC 2020 (Ed.), Proceedings of the 12th Language Resources and Evaluation Conference LREC 2020, Marseille. Marseille: LREC 2020, 946–950.

Klug, Helmut W.: *Performanzmarker in mittelalterlichen Kochrezepttexten als Unterscheidungsmerkmal bei mehrfacher Textüberlieferung: Parallelüberlieferung? Variante? Lesart?* in: Betzwieser, Thomas; Schneider, Markus (Eds.), Aufführung und Edition. Berlin: De Gruyter 2020 (Beihefte zu edito, 46), 43–54. DOI: https://doi.org/10.1515/9783110639261

Lang, Sarah: *Die Fabel lehrt - Fabula docet. Das Grazer Repositorium antiker Fabeln als fachdidaktische digitale Ressource,* in: Krešimir Matijević (Ed.), Funktion und Aufgabe digitaler Medien in Geschichtswissenschaft und Geschichtsunterricht (Abhandlungen der Arbeitsgemeinschaft Geschichte und EDV, 3). Gutenberg: Computus Druck 2020, 103-116.

Lang, Sarah: *Digitale Annotation alchemischer Decknamen,* in: Nantke, Julia; Schlupkothen, Frederik (Eds.), Annotations in Scholarly Editions and Research. Functions, Differentiation, Systematization (https://doi.org/10.1515/9783110689112). Berlin: De Gruyter 2020, 201–220.

Leipert, Martin; Vogeler, Georg; Seuret, Mathias; Maier, Andreas; Christlein, Vincent: *The Notary in the Haystack -- Countering Class Imbalance in Document Processing with CNNs,* in: Bai X., Karatzas D., Lopresti D. (Eds.), International Workshop on Document Analysis Systems. Cham: Springer 2020, 246-261. DOI: 10.1007/978-3-030-57058-3_18

Sarić, Sanja; Schneider, Gerlinde: *Dimensions of Digital Humanities,* in: Maja Gerovska Mitev (Ed.), International Week Innovation in Humanities and Social Sciences. Skopje: Ss. Cyril and Methodius University, Faculty of Philosophy 2020, 27.

Sarić, Sanja; Scholger, Martina: *Topic Modeling der Hugo-Schuchardt-Korrespondenz – Möglichkeiten und Grenzen,* in: Christof Schöch (Ed.), DHd 2020 Spielräume: Digital Humanities zwischen Modellierung und Interpretation. Konferenzabstracts. . Paderborn: Universität Paderborn 2020, 369-371. DOI: 10.5281/zenodo.3666690

Scheuermann, Leif; Schmölzer, Astrid: *Saxa loquuntur. Über die Bedeutung der Materialität römischer Inschriften in virtuellen Zeiten.* in: Mira Berghöfer; Anne-Elisabeth Beron; Fabian Etling; Gianna Hedderich; Melanie Stralla; Anne Wilken (Eds.), (un)documented. Berlin: de Gruyter 2020, n.n. DOI: https://doi.org/10.1515/9783110692631-005

Scheuermann, Leif: *Digitalisierung der universitären Lehre am Fallbeispiel der Altertumswissenschaften,* in: Kresimir Matijevic (Ed.), Funktion und Aufgabe digitaler Medien in Geschichtswissenschaft und Geschichtsunterricht. Gutenberg: Computus Druck 2020, 177-185.

Scholger, Martina: *Gedankenexperiment in der Konzeption von Kunstwerken,* in: Knaller, Susanne; Pany-Habsa, Doris; Scholger, Martina (Eds.), Schreibforschung interdisziplinär. Praxis – Prozess – Produkt. Bielefeld: transcript 2020, 207-222.

Scholger, Martina: *Thorn, Erwin,* in: Beyer, Andreas; Savoy, Bénédicte; Tegethoff, Wolf; (Eds.), Allgemeines Künstlerlexikon (AKL). Die Bildenden Künstler aller Zeiten und Völker. Berlin: De Gruyter 2020.

Scholger, Walter: *Urheberrecht und offene Lizenzen im wissenschaftlichen Publikationsprozess,* in: Kaier, Christian; Lackner, Karin; Schilhan, Lisa (Eds.), Publikationsberatung an Universitäten. Ein Praxisleitfaden zum Aufbau publikationsunterstützender Services. Bielefeld: Transcript 2020, 123-147.

Vejvar, Martin Andreas; Clausen, Hans: *Edition und Textanalyse im digitalen Medienwandel. Die Wiener Ausgabe sämtlicher Werke Ödön von Horváths und die digitaleEdition von Geschichten aus dem Wiener Wiener Wald,* in: Betzwieser, Thomas, Schneider, Markus (Eds.), Aufführung und Edition. Berlin: Walter de Gruyter 2020, 197-209.

Vogeler, Georg, Schlögl, Matthias; Vasold, Gunter: *Data exchange in practice: Towards a prosopographical API,* in: Fokkens, Antske (Ed.), BD2019. Biographical Data in a Digital World 2019. Proceedings of the conference held in conjunction with Recent Advances in Natural Language Processing 2019, Varna 5-6 September 2019. Wien, Budapest: CEU 2020 (CEUR-WS), http://dx.doi.org/10.17613/yw4h-5f09

Vogeler, Georg; Schlögl, Matthias; Vasold, Gunter; : *Prosopographische Interoperabilität – Stand der Dinge,* in: Schöch, Christof (Ed.), DHd2020: Spielräume. Digital Humanities zwischen Modellierung und Interpretation. 7. Jahrestagung des Verbands Digital Humanities im deutschsprachigen Rau. Paderborn u.a.: DHd 2020, 348-350.

Vogeler, Georg: *Das Semantic Web als Giant Global Kontext?* in: Simon Meier, Gabriel Viehhauser und Patrick Sahle (Eds.), Rekontextualisierung als Forschungsparadigma des Digitalen. Norderstedt: Books on Demand 2020 (Schriften des Instituts für Dokumentologie und Editorik, 14), 71-80.

Vogeler, Georg: *Digital Edition of Archival Material - Machine Access to the Content. On the role of Semantic Web technologies in digital scholarly editions,* in: Christel Loubet (Ed.), Digitizing Medieval Sources – L'édition en ligne de documents d'archives médiévauxChallenges and Methodologies – Enjeux, méthodologie et défis. Turnhout: Brépols 2020 (ARTEM, 27), 37-56. DOI: 10.1484/M.ARTEM-EB.5.117327

Vogeler, Georg: *Digitising Charters: Benefits and Pitfalls,* in: Olivier Canteaut, Olivier Guyotjeannin, Olivier Poncet (Eds.), Actes royaux et princiersà l'ère du numérique (Moyen Âge-Temps modernes). Pau: Presses de l'Université de Pauet des Pays de l'Adour 2020, 113-124.

Vogeler, Georg: *Research possibilities created by making manuscript images available online,* in: Marjana Tomic (Ed.), Empowering the Visibility of Croatian Cultural Heritage through the Digital Humanities. Cambridge: Cambridge Scholars Publishing 2020, 16-39.

Vogeler, Georg: *Von der prosopographischen Datenbank zum Netzwerk von historischen Personen,* in: Irmgard Fees, Claudia Märtl, Andreas Rehberg, Jörg Voigt (Eds.), Kirche und Kurie des Spätmittelalters im Brennpunkt des Repertorium Germanicum (1378-1484). Berlin u.a.: DeGruyter 2020 (Bibliothek des Deutschen Historischen Instituts in Rom), +. (in Druck)

Zuanni, Chiara: *From digital engagement to digital sustainability: a case-study with 3D models,* in: Rodney Harrison et al. (Eds.), ACHS Conference. London: University College London 2020, 244.

Zuanni, Chiara: *Rapid-response collecting and the making of future heritage,* in: Rodney Harrison, et al. (Eds.), ACHS Conference. London: University College London 2020, 616.

Digital outputs

Galka, Selina; Hofer, Georg; Klug, Helmut W.; Neundlinger, Helmut; Steiner, Elisabeth; Thoma-Stammler, Michaela: Karl Wiesinger: Digitale Edition der Tagebücher (1961–1973), 2020.

Pollin, Christopher: Interpreting In War – I I W. Datenbank der Dolmetscher_innen und Übersetzer_innen im Spanischen Bürgerkrieg auf Seiten der Republik, 2020.

Schneider, Gerlinde; Pollin, Christopher; Gerhalter, Katharina; Hummel, Martin: Adjective-Adverb Interfaces in Romance. Open-Access Database (=AAIF-Database), 2020.

Other publications

Wareham, Andrew; Dellinger, Theresa; Vogeler, Georg; Sonnberger, Jakob; Shand, Mike: *New representations of wealth distribution in Restoration England.* [Hoboken]: Economic History Society / Wiley & Sons 2020.

Zuanni, Chiara: *Digital responses from locked-down museums.* University of Manchester: Cultural Practice Magazine 2020.

Zuanni, Chiara, Sabrina Melcher: *Eine Karte der digitalen Initiativen von Museen während COVID-19.* online: ICOM Österreich 2020.

Zuanni, Chiara, , Sabrina Melcher: *Mapping der digitalen Reaktionen von Museen während des Corona Lockdowns.* online: Museumspraxis (Museumsbund Österreich) 2020.

Zuanni, Chiara: *Mapping museum digital initiatives during COVID-19.* online: Europeana Pro 2020.

CONFERENCE PRESENTATIONS

Bleier, Roman: *Digitale Edition der Reichstagsakten*, for: Coding the Sources – Digitales Edieren in den Geisteswissenschaften. Online Summerschool und Workshop. Lübeck. 25.08.2020.

Böhm, Astrid; Klug, Helmut W.: *Die hyperdiplomatische Transkription als Hilfsmittel zur disziplinenübergreifenden Aufbereitung historischer Schriftquellen: überbewertet, untergenutzt, ungenutzt?*, for: Historische Schrift- und Schriftlichkeitsforschung12. Jahrestagung, Universität Regensburg, 24.-26. September 2020, Gesellschaft für germanistische Sprachgeschichte e.V., Regensburg (Germany), 25.09.2020.

Böhm, Astrid; Klug, Helmut W.: *Potential(e) hyperdiplomatischer Transkriptionen deutschsprachiger mittelalterlicher Texte*, for: Die (hyper-)diplomatische Transkription und ihre Erkenntnispotentiale., Bergischen Universität Wuppertal, Wuppertal (Germany), 06.02.2020.

Böhm, Astrid: *Transkription von spätmittelalterlichen Texten ‚Grazer Methode'* , for: Netzwerktreffen ‚Historische Wissens- und Gebrauchsliteratur', Netzwerk ‚Historische Wissens- und Gebrauchsliteratur', Marburg (Germany), 10.01.2020.

Bürgermeister, Martina: *An Empirical Study of Versioning in Digital Scholarly Editions.*, for: IX Convegno Annuale AIUCD. La svolta inevitabile: sfide e prospettive per l'Informativa Umanistica, AIUCD, Milan (Italy), 16.01.2020.

Bürgermeister, Martina: *Versionierung von RDF-basierten Daten für den wissenschaftlichen Diskurs in den DH*, for: Modelling the Scholarly Process, AG Graphentechnologien, Vienna (Austria), 21.02.2020.

Clausen, Hans; Schneider, Gerlinde: *CLARIAH-AT TEI Introductory School – Summer School 2019*, Graz, Zentrum für Informationsmodellierung, Universität Graz , 10.09.2019 - 13.01.2020.

del Rio, Gimena; Scholger, Martina; Viglianti, Raffaele: *Un glosario para entender mejor la Text Encoding Initiative en español*, for: #NoviembreHD, Asociación Argentina de Humanidades Digitales, online (Argentina), 19.11.2020.

Geiger, Bernhard; Hobisch, Elisabeth; Koncar, Philipp; Sarić, Sanja; Scholger, Martina: *Distant Spectators: Distant Reading for periodicals of the Enlightenment*, for: dha go!es digital Day, Austrian Academy of Sciences, online (Austria), 25.09.2020.

Klug, Helmut W., Steiner, Christian, Treiber, Fritz: *A journey back in taste: Herbs and Spices in Medieval German Cuisine*. for: „Herbs and Spices", Oxford Food Symposium, Online, 10 July – 2 August 2020.

Leipert, Martin; Vogeler, Georg; Seuret, Mathias; Maier, Andreas; Christlein, Vincent: *The Notary in the Haystack -Countering Class Imbalance in Document Processing with CNNs*, for: Document Analsis Systems 2020, Wuhan (China), 29.07.2020.

Pollin, Christopher; Steiner, Christian: *Datenbasierte Wissensproduktion und –organisation*, for: Universitätsbibliothek Wien, 13.05.2020 - 15.05.2020.

Sarić, Sanja: *Dimensions of Digital Humanities*: for: International Week 2020: Innovation in Humanities and Social Sciences, 17-21 February 2020, Faculty of Philosophy, Skopje, 21.02.2020.

Scheuermann, Leif: *Becoming Urban – Reconstructing the city of Graz in the long 19th century,* for: dha go!es digital Day 2020, Vienna (Austria), 25.09.2020.

Scheuermann, Leif: *Simulation als historische Quelle für die antike Schifffahrt,* for: TRANSMARE Kolloquium WiSe 2020/21Maritime Konnektivität: Fahrzeuge – Routen – Akteure, Transmare Insitut Universität Trier, Trier (Germany), 02.12.2020.

Scholger, Martina: *Aus der Ferne betrachtet. Quantitative Analyse von Zeitschriften des 18. Jahrhunderts im Distant-Spectators-Projekt,* for: Historische Bestseller und alte Scharteken: Neueste Studien zur Buch- und Leser*innengeschichte, Online (Austria), 05.06.2020.

Scholger, Walter; Hannesschläger, Vanessa; Kuzman-Slogar, Koraljka: *Addressing legal and ethical dimensions of the processing of personal data in research contexts: The DARIAH ELDAH Consent Form Wizard,* for: Scholarly Primitives (DARIAH-EU Annual Event 2020), DARIAH-EU ESFRI ERIC, Zagreb (Kroatien), 28.10.2020.

Scholger, Walter; Hannesschläger, Vanessa; Kuzman-Slogar, Koraljka : *Putting data protection into practice: The GDPR and the DARIAH ELDAH Consent Form Wizard,* for: Putting data protection into practice: The GDPR and the DARIAH ELDAH Consent Form Wizard, Ligue des Bibliothèques Européennes de Recherche (LIBER), Social Sciences and Humanities Open Cloud (SSHOC), Online (Netherlands), 13.10.2020.

Scholger, Walter: *Archival Research Practice: Digitization & Orphan Works,* for: ZARAH: Women's labour activism in Eastern Europe and transnationally, from the age of empires to the late 20th century, Central European University, Online (Austria), 12.10.2020.

Scholger, Walter: *CLARIAH-AT: Eine kollaborative Forschungsinfrastruktur als nachhaltige Basis für digitale Geisteswissenschaften in Österreich,* for: Weiterentwicklung der GSK-Forschungsinfrastrukturen in Österreich, BMBWF, online (Austria), 19.10.2020.

Scholger, Walter: *CLARIAH-AT. Digitale Forschungsinfrastrukturen in den Geisteswissenschaften,* for: Digital Humanities in Österreich, Bundesministerium für Bildung, Wissenschaft und Forschung (BMBWF), Vienna (Austria), 24.01.2020.

Scholger, Walter: *Data protection in practice: The DARIAH ELDAH Consent Form Wizard,* for: GDPR and training. How to organize GDPR compliant online events., OpenAIRE, online (Netherlands), 28.10.2020.

Scholger, Walter: *Putting data protection into practice: The ELDAH Consent Form Wizard,* for: Digital Skills and Competences for Future, University of Timisoara, Online (Romania), 16.12.2020.

Scholger, Walter: *Urheberrechtsfragen in der (digitalen) Lehre,* for: Institutskonferenz des Instituts für Sekundarstufe Allgemeinbildung, Pädagogische Hochschule Steiermark, Online (Austria), 22.09.2020.

Scholger, Walter; Hannesschläger, Vanessa: *Rechtliche Aspekte des wissenschaftlichen Publizierens*, Universitätslehrgang Library and Information Studies (Universität Wien), 23.05.2020.

Scholger, Walter; Hannesschläger, Vanessa: Datenschutz und die DSGVO, Universitätslehrgang Library and Information Studies (Universität Wien), 26.10.2020.

Steiner, Christian; Klug, Helmut W.: *Spielräume definieren: Cooking Recipes of the Middle Ages*, for: DHd 2020. Spielräume Digital Humanities zwischen Modellierung und Interpretation. Universität Paderborn, Paderborn (Germany), 02-06. März 2020.

Stoff, Sebastian: *Projektpräsentation & Round Table: Digitale Erinnerungslandschaften. Überlegungen zu einer digitalen Erinnerungspädagogik im Umgang mit den Opfern des Nationalsozialismus,* for: 13. Österreichischer Zeitgeschichtetag 2020. Virtueller Österreichischer Zeitgeschichtetag 2020, Universität Innsbruck, Innsbruck / virtuell (Austria), 18.04.2020.

Vogeler, Georg: *Analysis I: Query (languages); XQuery/XPath, SQL intro,* for: ACDH Digital Prosopography Summer School, ÖAW, Vienna (Austria), 07.07.2020.

Vogeler, Georg: *Analysis II: Query via SPARQL,* for: ACDH Digital Prosopography Summer School, ÖAW, Vienna (Austria), 08.07.2020.

Vogeler, Georg: *Data modelling III: controlled vocabularies; SKOS; HISCO, Geonames, GND, Viaf, Getty,* for: ACDH Digital Prosopography Summer School, ÖAW, Vienna (Austria), 07.07.2020.

Vogeler, Georg: *Menschen in und um Monasterium.net,* for: Das Frontend als „Flaschenhals"? Mediävistische Ressourcen im World Wide Web und ihre Nutzungspotentiale für eine Digitale Prosopographie, Universität Jena, Jena (Germany), 19.02.2020.

Vogeler, Georg: *On the state of the art of editing account books,* for: Private account books in Renaissance Florence, Venice Centre for Digital & Public Humanities (VeDPH) at Ca' Foscari University, Venice (Italien), 30.10.2020.

Vogeler, Georg: *Seals in Monasterium.net,* for: Linked Past 6, online (United Kingdom), 08.12.2020.

Vogeler, Georg: *The RDF/SKOS version of the Vocabulaire Internationale de la Sigillographie,* for: Linked Past 6, online (United Kingdom), 03.12.2020.

Vogeler, Georg: *You own database: Blazegraph, Mariadb, Researchspace, Wikibase; Mongodb; Wisski, PDR, Papilotte, APIS, Cosmotool,* for: ACDH Digital Prosopography Summer School, ÖAW, Vienna (Austria), 07.07.2020.

Zuanni, Chiara: *Collecting in the Digital Age: Contemporary Heritage in the Museum,* for: MAPS (Media Art Preservation) 2020, Ludwig Museum, Budapest (Hungary), 13.02.2020.

Zuanni, Chiara: *DigiCulture: a MOOC for Creative Industries Professionals,* for: IGNITE Digital Roundtables, ÖAW, Vienna (online) (Austria), 29.04.2020.

Zuanni, Chiara: *Digital cultural heritage during the pandemic,* for: Muse From Nowhere, University of Aberdeen, online (United Kingdom), 27.08.2020.

Zuanni, Chiara: *Digital Museology: Cultural Heritage in the Digital Sphere,* for: DH Lecture Series, University of Vienna, Vienna/online (Austria), 27.10.2020.

Zuanni, Chiara: *Digitale Lehrräume,* for: Digitale Lehr-Räume, Verband österreichischer Kunsthistorikerinnen und Kunsthistoriker (VöKK) und das Netzwerk für Digitale Kunstgeschichte in Österreich (DArtHist.at), online (Austria), 25.06.2020.

Zuanni, Chiara: *Dis/Continuities and Digital (R)evolutions in the Participatory Museum,* for: The Art Museum in the Digital Age, Belvedere Museum, Vienna (Austria), 09.01.2020.

Zuanni, Chiara: *Encountering the past in museums: visitors, digital media, and public archaeology,* for: Interreg Project 'Danube´s Archaeological eLandscapes' - first strategy meeting, Universalmuseum Joanneum, Graz/online (Austria), 16.09.2020.

Zuanni, Chiara: *From digital engagement to digital sustainability: a case-study with 3D models,* for: Association of Critical Heritage Studies Biennial Conference: Futures, UCL, London/online (United Kingdom), 27.08.2020.

Zuanni, Chiara: *Heritage in lockdown: researching museum digital practices during the pandemic,* for: Critical Heritage and Place Consumption Seminar series, University of Lincoln, Lincoln/online (United Kingdom), 25.11.2020.

Zuanni, Chiara: *Musei e Social Media,* for: Guest lecture in the MA in Museum Education, Università Roma Tre, Rome (online) (Italy), 16.04.2020.

Zuanni, Chiara: *Museums and the COVID-19 pandemic: researching data and experiences,* for: Museum Big Data, UCL Qatar and The Cyprus Institute, Nicosia/online (Cyprus), 22.10.2020.

Zuanni, Chiara: *Rapid-response collecting and the making of future heritage,* for: Association of Critical Heritage Studies Biennial Conference: Futures, UCL, London/online (United Kingdom), 29.08.2020.

POSTER

Bürgermeister, Martina; Nußmüller, Antonia; Scheuermann, Leif; Holzer, Matthias; Sonnberger, Jakob: *Becoming Urban: Ein Spiel mit Räumen,* for: DHd 2020 Spielräume: Digital Humanities zwischen Modellierung und Interpretation., DHd, Paderborn (Germany), 2020.

Clausen, Hans: *Edition als Wissen,* for: Auftaktveranstaltung zum Doktoratsprogramms HFDT, Forschungsnetzwerk Human Factor in Digital Transformation (HFDT), Graz (Austria), 2020.

Fuchs, Alexandra; Geiger, Bernhard; Hobisch, Elisabeth; Koncar, Philipp; More, Jacqueline; Saric, Sanja; Scholger, Martina: *Das Theater mit dem Theater: Thementransfer in den Spectators,* for: Spielräume, DHd 2020, Paderborn (Germany), 2020.

Schneider, Gerlinde; Vasold, Gunter: *Erweiterung eines Forschungsdatenrepositoriums um ein Modul für die Nachnutzbarkeit und Analyse von Textressourcen*, for: DHd2020. Spielräume, DHd, Paderborn (Germany), 2020.

Steiner, Christian; Klug, Helmut W.; Böhm, Astrid; Raunig, Elisabeth; Laurioux, Bruno; Ardesi, Denise; Poirier, Corentin: *Cooking Recipes of the Middle Ages: Nachnutzbare Ressourcen eines internationalen Forschungsprojekts*, for: DHd 2020. Spielräume Digital Humanities zwischen Modellierung und Interpretation. (Universität Paderborn) 02. bis 06. März 2020.

Vogeler, Georg; Schlögl, Matthias; Vasold, Gunter: *Prosopographische Interoperabilität – Stand der Dinge,* for: DHd2020. Spielräume, DHd, Paderborn (Germany), 2020.

MEDIA COVERAGE

Klug, Hemut W., Treiber, Fritz in: Elke Ziegler, Ö-1 Wissenschaft: *Mittelalter-Küche: Süß-saures Lebenselixier*. 10.03.2020. https://science.orf.at/stories/3200114/

Klug, Hemut W., Treiber, Fritz in: Wissen Aktuell: *Mittelalterliche Küche nachgekocht*. 10.03.2020. https://oe1.orf.at/programm/20200310/591605/Corona-Essen-Kochen

Scheuermann, Leif in: Cathren Landsgesell, *UMFRAGE UNTER WISSENSCHAFTERN Lichtblicke der Wissenschaft für 2021,* Wiener Zeitung, Printmedium, Internet, 31.12.2020.

Scheuermann, Leif in: ORF Steiermark, *Preis für Simulation römischer Transportwege,* Homepage, Internet, 09.12.2020.

Scheuermann, Leif in: Uni Graz, *Römische Reise. Mit dem Eselkarren auf dem Datenhighway: zwei Millionen-EU-Projekt an der Universität Graz folgt antiken Transportwegen zwischen Adria und Donau,* Homepage, Internet, 09.12.2020.

Scheuermann, Leif in: APA Redaktion, *18 in Österreich tätige Forscher erhalten vom ERC Millionen-Förderung,* DerStandard, Printmedium, Internet, 09.12.2020.

Vogeler, Georg in: Claudia Stieglecker, *Alte Daten in neuen Dimensionen Was die Time Machine Vienna leisten muss und leisten kann,* Falter, Printmedium, Internet, 18.11.2020.

Zuanni, Chiara in: *Πανεπιστήμιο Δυτικής Μακεδονίας- Τμήμα Εικαστικών και Εφαρμοσμένων Τεχνών: Ένταξη της έκθεσης «Διαδικτυακή Εικαστική Πανδημία» σε διαδραστικό παγκόσμιο χάρτη ψηφιακών πρωτοβουλιών Μουσείων,* Kozan News, Printmedium, Internet, 24.07.2020.

Zuanni, Chiara in: *Map of digital initiatives from museums during the COVID-19 pandemic,* European Heritage Tribune, Internet, 06.07.2020.

Zuanni, Chiara in: Norbert Swoboda, *Diese Professorin macht das Museum digital,* Kleine Zeitung, Printmedium, 06.03.2020.