The UNESCO World Heritage site of the Harbour of Porto, Portugal. © photo Wikimedia Commons.
INTRODUCTION

CLUE+ is the interfaculty research institute for Culture, Cognition, History and Heritage of the Vrije Universiteit Amsterdam (VU). The institute’s mission is to investigate fundamental societal questions and phenomena, revolving around VU’s Connected World profile theme and in particular around the role of culture, knowledge, history and heritage in processes of digitization, globalization, migration and urbanization. Such socially embedded research demands broad, interdisciplinary approaches, which are much more difficult to achieve in single faculties, departments or research groups. Elaborating these approaches in well defined, joint research programmes helps CLUE+ staff to become more competitive and to align with the strategic agendas of the principle funding agencies, which are also increasingly anchored in society.

CLUE+ unites highly qualified researchers from various VU faculties (Humanities, Religion and Theology, Sciences, Business Administration and Economics, Social Sciences and Law; from young talents to full professors). Other interdisciplinary research centres have joined the institute, such as the Stevin Centre, Abraham Kuyper Centre, Accord and ACASA, and new centres have been created under the umbrella of CLUE+, such as the Environmental Humanities and Religious History Centres and the International Association of Landscape Archaeology. This size, combined with interdisciplinarity and quality, is a key strength of CLUE+ and contributes greatly to its viability. It has had a positive impact on innovation, international visibility and competitiveness, as will be highlighted in this annual report for 2019. Part I of this report provides a qualitative evaluation, Part II contains a quantitative report.

Gert-Jan Burgers
Director CLUE+
German Flakturm (Flak tower) at the Augarten Park in Vienna. This bunker was built by the Nazi’s during the Second World War. It provided shelter for the Viennese but it was also equipped with so called Flak anti aircraft guns to protect the city of Vienna against air raids.

© Photo Bert Brouwenstijn, CLUE+.
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CLUE+ aims to make crucial contributions to science and society, with fundamental research (e.g. on the history of Connected Worlds, knowledge formation or the archaeology of European landscapes), closely interlinked with applied studies (e.g. on digital tools, governance models or heritage planning). In many of these fields, CLUE+ research is of the highest standards and (inter-)nationally agenda setting, which is acknowledged amongst others by the acquisition of recent prestigious grants (e.g. NWO, Templeton and EU-projects), by prizes and awards, international rankings and memberships in (inter-)national scientific and advisory boards. Vital to CLUE+’s competitiveness is its external orientation. CLUE+ researchers lead or participate in extensive collaborations and networks.
Most of the international collaborations concern joint participation in research projects and programme grants (e.g. NWO, KP7, Hera), joint papers and conferences, exchange of PhD students and staff, software and data exchange, policy development or consultancy. CLUE+ also explicitly promotes Public (e.g. heritage boards and municipalities) - Private (e.g. NGOs, foundations and companies) and Partnerships. Like the academic collaborations, these greatly increase the institute’s chances of acquiring funding in NWO, EU or other project calls. This also goes for collaborations in the Netherlands. Here, the UVA (University of Amsterdam) is a natural point of reference for joint ventures, as is the city of Amsterdam (e.g. companies, museums) but collaborations include academic, public and private partners throughout the country. This societal anchoring is further promoted through a strategic valorization programme, including:

- outreach (e.g. public lectures, television documentaries);
- participation in public debates;
- free access to research results;
- consultancy;
- development of tools;
- participatory community-based research.

Key to the success of CLUE+ is the strategic use of a range of facilities and funds, aimed at integrating researchers from various disciplines; e.g. grants to explore new interdisciplinary themes or to organize innovation workshops, consortium building, PPP’s and valorization activities, visiting fellowships, talent funds, labs for spatial digital tooling and participatory governance. The facilities are also to encourage a network-like structure, which is another basic strength of CLUE+; the overarching programmes facilitate dynamically interacting smaller research groups, each with their own Principle Investigator. This is the level where PhD supervision and mentorship is most intense and where young talented researchers are discovered. These groups organize themselves, build networks and arrange conferences and debates around themes that often crosscut those of the programmes. Integration of this network is guaranteed by sound management, run by the director, a policy officer and four programme coordinators. Together, they stimulate discussions, innovations, grant proposals and, fundamentally, a climate of cohesion. They also ensure that policy is turned into practice, oversee the budget, and make sure that targets are met.

In order to bring about and guarantee cohesion between the various research groups, there are four central overarching thematic programmes, which have been carefully delineated to accommodate interdisciplinary and diverse research groups. Each programme is coordinated by a distinguished senior CLUE+-scholar. All themes include several interlocking and cross-linked sub-themes (e.g. religion, conflict, migration, environment, the digital world inter alia); they all involve close collaboration between different disciplinary research groups within CLUE+, as well as with partner institutions from various scientific fields, internationally, nationally and locally.

→ PhD Mediterranean Archaeology Stefan Kooi uses a high-end Drone to map parts of the coastal area of the isle of Evia in Southwestern Greece.

↑ HERILAND workshop held at the Faculty of Architecture and the Built environment of the TU Delft.
These four programmes are:

**RESEARCH CLUSTER 1: LANDSCAPE AND HERITAGE**

**PROGRAMME COORDINATOR:** PROF. DR. GERT-JAN BURGERS

**AIMS AND THEMES**

The aim of this programme is to promote a critical and spatial approach to history and heritage, with which to foster socially inclusive as well as economically and environmentally sustainable living environments. The programme’s focus is on the heritage, historical development and present-day transformation of regions, cultural landscapes and urban environments, the historical background of current spatial and environmental issues and the changing role and meaning of cultural heritage in our living space and in society in general. Governance policies and economic strategies related to heritage and cultural landscapes are also central concerns, in particular those aiming at sustainable societies. Moreover, spatial digital techniques such as remote sensing, 3D modeling and geodesign tools are refined and tested in this programme. In 2019, research basically expanded on the following subthemes, defined in the context of the VU profile themes of Connected World, Governance for Society and Science for Sustainability:

- **Connected Ancient Worlds** [FGW: ACASA]
  - Research conducted in the context of the Amsterdam Center of Ancient Studies and Archaeology, from text-based studies of ancient taxation systems to archaeological surveys of interconnectivity and early urbanization.
- **The history and archaeology of European landscapes** [FGW: Dept. of AHA; Science faculty]: Research projects that take a landscape approach with a broad and coherent view on socio-economic, technological and ecological developments, on the history of religions, mentalities and values and on changes in organization, administration and politics.
- **Heritage landscapes** [ACASA/Archaeology; Art & Culture/Heritage department; Spatial Economics/Spinlab]. CLUE+ members are at the forefront of international research into critical heritage studies: they investigate ‘landscapes of war and trauma’ to raise awareness of sites of painful WWII heritage, they study the heritage of energy regimes, or they analyse the history of heritage landscapes.
- **Designing with history** [ACASA/Archaeology; Art & Culture/Heritage department; Spinlab; FSW Public administration]. These groups study and participate in governance structures, advisory boards and planning committees, in particular with regard to the reuse and redevelopment of monuments and cultural landscapes and, more generally, in relation to urban regeneration and regional transformation projects.
- **Landscape, heritage and e-science techniques** (Spinlab; ACASA/Archaeology);
e.g. development of remote sensing, 3D-modeling and geodesign tools to be employed for research, as well as spatial planning and design.

RESEARCH PROJECTS AND GRANTS
In 2019 the cluster again united interdisciplinary groups of researchers around common themes, organized in a series of national and international research projects and programme grants (e.g. NWO Free Competition Humanities, NWO Talentprogramme Vidi, Investment Grants, EU-KP7, EU-Marie Curie IF). The consortiums represented in these projects also include public bodies and private partners, apart from academic partners. Most of their output concerns joint papers and conference proceedings, software and data exchange, policy development and consultancy. The major research projects and grants are:

- **Terranova** (EU Marie Curie Actions ITN, run by Sjoerd Kluiving). This project, with 15 PhDs distributed over a range of European partners, but coordinated by CLUE*/VU, aims at improving our diachronic, long-term understanding of landscape histories and land-use strategies in Europe in the Holocene and Anthropocene.

- **Heriland** (EU Marie Curie Actions ITN, run by Gert-Jan Burgers). Heriland provides

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3D Reconstruction by Bert Brouwenstijn (ACASA & CLUE*) of a grave monument excavated at the archaeological site of L’Amastuola in Southern Italy.

Above: parts of the monument as found on site.

Below: final reconstruction of the monument.

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15 PhD researchers throughout Europe with advanced training in the frame of a series of societal transformation processes considered to be key challenges to the heritage management of the 21st century.

- **What went into the melting pot?** (NWO Free Competition Humanities), run by Jan Paul Crielaard; with two PhD candidates and a Post-doc researcher. This project is about land-use, agriculture, and craft production as indicators for the contributions of Greek migrants and local inhabitants to the so-called Greek colonization in Italy (ca. 800-550 BC).

- **Exploded View** (Mondriaanfonds, Amsterdam Fonds voor de Kunst), run by Gert-Jan Burgers and Krien Clevis. Exploded View brings together artists, designers, landscape architects and stakeholders with the public to activate landscape parks for the future. The project focuses on the Parco Regionale dell’Appia Antica in Rome and the Amstelpark in Amsterdam.

- **Portable Antiquities of the Netherlands** (NWO Investment Grant Large, run by Nico Roymans and Stijn Heeren). The aim of PAN is to document and publish finds of archaeological interest, mainly those of metal, found by members of the general public and in private collections. By publishing the collections online, the objects and their find locations are made available for heritage purposes, academic research, museums, and members of the general public to enjoy.
**NEXUS 1492. New World Encounters in a Globalising World** (EU-7th Framework Programme, led by Leiden University), run by Gareth Davies of the VU Faculty of Science.

- **Hericcoast. Management of Heritage in Coastal Landscapes**, (funded by the European programme Interreg). This project aims to improve regional policies for heritage management in maritime and fluvial regions. In the context of this project, CLUE+ postdoc Linde Egberts (Faculty of Humanities) is investigating how heritage and tourism are related in coastal regions in Europe.

- **Finding the limits of the Limes** (NWO Talentprogramme Vidi), run by Philip Verhagen who, with two PhDs, aims to apply spatial dynamic modelling to reconstruct and understand the development of the cultural landscape in the Dutch part of the Roman Limes.

- **Paying for All the King’s Horses and All the King’s Men – A Fiscal History of the Achaemenid Empire** (NWO Talentprogramme Vidi), run by Kristin Kleber. With a postdoc and Phd she works on a new understanding of taxation, administration and the spending pattern of the Persian Empire.

**KEY PUBLICATIONS**

- **Gerritsen, F., Özbal, R. 2019**: a seventh millennium settlement in the Eastern Marmara region of Turkey, *Documenta Praehistorica*. 
November 2019 saw the kick-off of two brand new European projects coordinated by CLUE+ staff and engaging interdisciplinary consortiums and a total of 30 PhD students in the ambitious aim of creating a new generation of researchers in the field of environmental and heritage studies: TERRANOVA and HERILAND. Both won a Horizon2020 Innovative Training Network (ITN-) grant worth EUR 4 million. The first, coordinated by Sjoerd Kluiving, is called TERRANOVA: The New Learning Initiative between Humanities and Science. This project aims to identify major historical shifts in resource use and energy regimes and provide options for the future transition to a low-carbon society. Regional and continental syntheses will be used to anchor a new generation of landscape and climate change models which include the effects of past human actions and generate scenarios for landscape management and rewilding. TERRANOVA trains 15 PhDs in an international consortium. The second ITN granted, coordinated by Gert-Jan Burgers, is called HERILAND. Cultural Heritage and the Planning of European Landscapes. It is a consortium consisting of six key academic organizations, with 22 partners in civil society and business. It aims to empower a new generation of cultural heritage managers, able to investigate heritage in a framework of societal challenges, ranging from democratization to the digital turn. Its 15 PhDs will be provided with advanced training, combining theoretical and instrumental knowledge in a series of research seminars, living labs and secondments with public and private partners.

VALORIZATION
Societal themes and challenges are point of departure of most of the research in the CLUE+ programme ‘Landscape and Heritage’, whether this was focused on connectedness and globalisation in antiquity [e.g. ‘Melting Pot’, ‘Urbanet’], on modern policies of landscape development [e.g. Terranova, Heriland] or on the social and economic value of heritage in coastal landscapes [e.g. Hericoast]. Also, to foster the societal value of the research
outcomes, close collaboration with public and private partners is a vital element in many of the projects. All this goes in particular for the project Exploded View, started in 2019 by Krien Clevis and Gert-Jan Burgers. Central to the project is collaboration between CLUE+ researchers and artists. The aim of Exploded View is to explore two landscape parks, the Via Appia Park in Rome and the Amstelpark in Amsterdam. It does so by inviting an international group of artists, designers, academics and students each with accumulated knowledge and extensive experience in the field of cultural landscapes, to approach the parks in unexpected ways and to propose plans for new uses of the parks. Exploded View brings together artists, designers, landscape architects, academics, city planners, ecologists, curators, researchers, local experts and park users, in order to exchange and develop new perspectives on these two parks within current urban transformations.

### MEDIA ATTENTION

- Klimaatontkenning ‘lite’ in het antropoceen. Sjoerd Kluiving. 27/10/2019 (Radio Swammerdam)
- Toen Nederland leegliep. Stijn Heeren. 26/10/2019 (De Volkskrant)
- Verborgen kampgeschiedenissen. Rob van der Laarse. 11/10/2019 (Rianne Lindhout Wetenschapsredactie)
- Podcast: De Limes Leeft, “Fibula’s voor mannen en vrouwen”. Stijn Heer 04/10/2019 (Maand van de Geschiedenis: Romeinen.nl)
- In 1944 vlogt Joodse Eva haar leven. Rob van der Laarse. 21/05/2019 (interview De Kanttekening)
RESEARCH CLUSTER 2: GLOBAL HISTORY, HERITAGE AND MEMORY

PROGRAMME COORDINATOR: PROF. DR. SUSAN LEGÊNE

AIMS AND THEMES
This research theme is concerned with the question of long term social and economic changes in history, of political transformations, and their resonance in heritage practices, memory and memorialization. Major social changes imply changes in power relations, culture, social structure, religion, economic organization as well as the natural environment with a more than local impact, which leave societies profoundly altered. Such changes include, for instance, the formation of national, imperial, colonial and postcolonial states, the emergence of plantation systems, global markets and the history of enslavement, indenture and other forms of forced labour, wage labour and industrialization, urbanization, the acceleration of communication and information, secularization, the rise of world religions, the growth of long range migration, and environmental degradation and climate change. Research in ‘Global history, heritage and memory’ addresses different aspects of such overarching changes in Europe, Asia, Africa and the Americas in relation to practices of memorialization and processes of heritage formation from Late Antiquity till the present.

The research cluster includes a number of working groups, studying the following subthemes, in cooperation with partners inside and outside VU Amsterdam:

■ Global history and heritage in a (post) colonial world
  Studies: European culture of imperialism, world heritage sites and conflicts; transnational lifewriting; (extra-)territoriality and identity; colonialism and historiography.
  Includes: the Migration and Diversity Centre at VU, and the ‘Platform for transnational life writing (Unhinging the national framework)’.

■ History and heritage of slavery and the slave trade
  Studies: the economic impact, memories and geographies of slavery and the slavery trade.
  Includes: the Mapping Slavery initiative, Werkgroep Slavernijstudies, which cooperates with NINsee, the Amsterdam Museum and the Bijlmer Parktheather in the Platform Slavernijverleden (funded by the Municipality of Amsterdam), and the NWO-funded research project ‘Slaves, commodities and logistics’, in cooperation with the International Institute of Social History and the University of Leiden.

→ Replica of the Halve Maen VOC ship. In September 1609 the British captain Henry Hudson departed on behalf of the VOC on the original ship to search for a New Northerly route to Asia.

From The Netherlands Slavery Heritage Guide.
© Mapping Slavery Project, photo by Bert Brouwenstijn, CLUE+
PART 1: QUALITATIVE SECTION

- **Globalization, urbanization and knowledge**
  Studies: imperialism and science; interrelations between globalization and the making, transmission and appropriation of knowledge in an urban context.
  Includes: the Stevin Centre for the History of Sciences and Humanities [VU] and the working group ‘Knowledge and the city, ca. 1450 – ca. 1800’ and the project ‘Urbanizing nature’ at the University of Antwerp.

- **Cultures and sacral geographies of religious groups**
  Cultures and sacral geographies of religious groups: this subtheme is concerned with subjects such as national and global bible belts; religious landscapes; religion, civil society and nation states and the impact of the Soviet legacy on post-Soviet Orthodoxy; the subtheme links up with the Amsterdam Centre for Religious History [ACRH] (https://www.acrh.eu/), the Digibron project (http://www.digibron.nl/), the Biblebelt Network (http://www.dutchbiblebelt.org/), the European Bible Belts-project (https://www.nwo.nl/en/research-and-results/research-projects/i/54/27054.html) and the Theology after Gulag research group (http://www.in-a-sec.com/blog/item/26-theology-after-gulag-research-group).

- **Living with water**
  Studies: human survival strategies in relation to water; natural disasters; harvesting from the sea; harbours and water fronts.
  Collaborates with: Amsterdam Sustainability Institute, the Amsterdam Centre for Religion and Sustainable Development and the Environmental Humanities Centre.

Members of the research cluster ‘Global history, heritage and memory’ regularly discuss ongoing research in seminars, notably the Global History Seminar, the seminars under the aegis of the Werkgroep Slavernijverleden, the Migration and Diversity Centre, the Stevin Center for History of Sciences and Humanities, the Amsterdam Center for Religious History and the Environmental Humanities Center.
RESEARCH PROJECTS AND GRANTS

2019 was a very successful year for researchers of this CLUE+ cluster. They have acquired funding for new projects, they organized workshops, expert meetings and symposia and they have been highly active in making the results of their work visible for a wider audience. Members of this cluster also made significant progress in preparing the submission of research proposals in 2020. The major research projects and grants [new and ongoing] in this cluster are:

- **Coping with drought.** An environmental history of drinking water shortages and climate adaption in the Netherlands, 1550-1850. Research project Open Competition (2019-2024). (Prof. dr. Petra van Dam): Drought as a result of human-induced climate change is an urgent challenge worldwide. This project investigates societal resilience to drought in coping with shortages of drinking water. In the Netherlands, before the introduction of piped water in the nineteenth century, the access to drinking water was highly flexible and adaptable. People procured water from multiple sources: groundwater, rainwater, and surface water. The research question is: in what ways did the practices and norms and values regarding the provisioning and use of drinking water develop in the Netherlands during the period 1550-1850, and how did they contribute to societal resilience to drought under differing environmental and social conditions?

- **Colonial Normativity - Corruption and difference in colonial and postcolonial histories of empire and nations.** Research project Open Competition NWO (2019-2024); Collaboration with UGM Yogyakarta. (Prof. dr. Susan Legêne): Corruption is the misuse of power and resources for private gain. Contemporary corruption is often linked to the history of colonial state formation. How these two relate has never systematically been researched. This international programme compares the role of corruption in Dutch and Indonesian histories of state-formation and economic development.
PART 1: QUALITATIVE SECTION

**Archive, Heritage and History.** Project funded by the Vereniging Nederlands Tijdschrift voor Geneeskunde (Association of the Dutch Journal of Medicine, 2019-2020). (Dr. Ab Flipse): The aim of this project is to make available the archive and heritage of the Dutch Journal of Medicine for medical historians, general historians and other interested parties. The project focuses on mapping and making available the archive and the journal’s heritage, whilst also investigating the journal’s transformation. By combining an inventorying approach with research, the project will result in a historical summary of the evolution and impact of the Dutch Journal of Medicine, as well as making public a valuable, well-inventoried archive.

**The Aim and Concept of the Java Railway Station Architecture Periode 1867 – 1942.** PhD project funded by the Indonesian Endowment Fund for Education (LPDP Indonesia), carried out by architect Harmilyati Sulistyani. (2014-2020).

**Engaged women in decolonization and the Cold War Indonesia: Mobility, Citizenship and Socio-Political Encounters, 1940s – 1980s.** PhD project funded by the Indonesian Endowment Fund for Education (LPDP Indonesia), carried out by Wydia Fitria Ningsih (UGM). (2015-2021)

**Fair for All: Making room for fairness in the globalised economy.** NWO Talentprogramme Veni research project (2016-2019). (Dr. Benjamin Ferguson). Benjamin Ferguson’s Veni project “Fair for All: Making Room for Fairness in the Globalised Economy” considers how we should balance increases in individual welfare that are generated through economic transactions with the distribution of this welfare between those involved in the transaction. The project aims to develop a theory of fair transaction that is sensitive to both welfare levels and welfare distribution that can be applied to these and similar cases.

**Germans as Enemy Citizens.** PhD project funded by NWO PhD's in the Humanities, carried out by Marieke Oprel (2015-2019). Oprel’s project focuses on German nationals in the Kingdom of the Netherlands, who were declared enemy citizens because of their German citizenship in the aftermath.
1. In search of lost scents – Reconstructing the volatile heritage of the Avant Garde. PhD project partially funded by NWO Creativity Industry, IFF Europe, Koninklijke Nederlandse Akademie voor Wetenschappen and the Vrije Universiteit Amsterdam and is carried out by Caro Verbeek (2014 – 2019). At the core of this project are several olfactory reconstructions and interventions based on written art historical sources and chemical analysis (gaschromatography). In collaboration with the fragrance industry and several heritage institutions, Caro Verbeek diffuses (or puts 'on sniff') these art historical scents and studies their effects, ideally leading to the awareness of a ‘period’ nose.

2. Traveling Translator. Rosey Pool (1905-1971) A Dutch Cultural Mobilizer in the Transatlantic Century. Biographical PhD project funded by the NWO PhD’s in the Humanities (2014 -2019), carried out by Lonneke Geerlings. She combines a biographical approach with archival and interpretation techniques from digital humanities, thus invoking a rich, transatlantic context of Rosey Pool, who in all respects lived through and actively engaged with the difficult episodes of what Hobsbawm characterized as the ‘Age of catastrophe’.

3. Unhinging the National Framework: Platform for Life-writing and Transnationalism. Research project funded by CLUE* and the Department of Language, Literature and Communication (VU) carried out by Dr. Babs Boter. Boter is convenor of the international expert group “Unhinging the National Framework: Platform for Life-Writing and Transnationalism.” The affiliated researchers, coming from various disciplinary backgrounds, investigate the lives of men and women whose life-work, including the building of socio-cultural and professional networks, questioned and transgressed the national boundaries that existed or emerged during the twentieth century. Jointly the researchers intend to show how these life-stories add new, transnational perspectives to the entangled histories of the first and second world war, decolonization, the Third World project and the Cold War. They will also demonstrate how these life-stories may work as leverage instruments to unhinge methodological nationalism and colonial determinism in post-war historiography. As part of this collaborative project, the platform hopes to set off a dialogue between PhD candidates and senior researchers currently working on biographies, and biographers who published work on comparable transnational historical figures between 1980 and 2015, and who will be asked to revisit their life-writing in the context of “Unhinging the National Framework.”

4. Deconstructing the War on Poverty: The rise of a policy failure narrative, 1964-1985. PhD project funded by NWO PhD’s in the Humanities, carried out by Heleen Blommers (supervisor Prof. dr. Karel Davids): In 1964, President Lyndon B.
Johnson launched the War on Poverty. The War on Poverty was the first large-scale domestic anti-poverty program in the United States. Criticism of the program arose almost immediately. By the mid-1980s, these critiques had developed into the widespread belief that the War on Poverty had failed. Whether it actually ‘failed’ or not, the belief has had a profound impact on welfare politics in the U.S. But why and how did this notion that War on Poverty failed become prevalent between 1964 and the mid-1980s? This is the main question of the proposed research. The project will analyze why the program was criticized in the 1960s and early 1970s and explain how these critiques in the 1970s and early 1980s developed into the prevalent idea that the program had failed.
HIGHLIGHTS IN RESEARCH

In 2019 the program has funded several activities of her researchers. They have acquired funding for new projects, they organized panels and symposia and they have been highly active in making the results of their work visible for a wider audience. Members of this cluster also made significant progress in preparing the submission of research proposals in 2020.

- The project ‘Unhinging the National Framework: Platform for Life-writing and Transnationalism’ coordinated by Dr. Babs Boter organized in March, May and October 2019 several expert meetings and the Fourth Annual Symposium Unhinging the National Framework which was held on December 6th, 2019. Both the expert meetings as well as the symposium were very successful and beneficiary for both the program as for the project.

- Prof. dr. Susan Legêne organized in March 2019 three events related to two PhD defenses that result from long term collaboration with the University of the Western Cape in Cape Town. One of these defenses is of Nicky Rousseau, a historian who worked for the Truth and Reconciliation Committee and for the Missing Persons Task Team in South Africa, who defended her PhD thesis Itineraries. A return to the archives of the South African truth commission and the limits of counter-revolutionary warfare at the Vrije Universiteit on March 20th, 2019. The defense of these two theses brings together in Amsterdam a unique group of international scholars with expertise on how, and at how many different levels, society deals with the living history of gross human rights violations. In connection to specific CLUE+ expertise in the fields of law/transitional justice, philosophy of history, and the politics of rituals and sites of memorialization.

- On March 21, 11:00 AM, Rousseau was interviewed by Bart Luirink, on her work at the TRC and her views on historiography of the apartheid state. This public interview (in English) took place at the Zuid Afrika Huis in Amsterdam. On the same day the program in collaboration with NIOD and OPG organized an expert meeting to discuss transitional justice and historians.

- On June 21st, Edwina Hagen and Martijn Icks organized the colloquium “Character Assassination! Media and Mudslinging from Caligula to King Gorilla” at the Hortus in Amsterdam. They invited experts on various periods in Western history to discuss practices of character assassination from an historical
numerous audience members, including VU SCA faculty and students and provided a platform for inspiring discussions.

The project Mapping Hiding Places of Dr. Dienke Hondius received funding for the organization of an international research workshop which has been held on October 23rd, 2019 at the VU. The workshop allowed international experts to discuss the research project both in technical terms (choices for databases and visualisation), and in terms of academic content, presenting and discussing first results. The research project aims to bring together and analyze knowledge about the history of Jews in hiding, in the Netherlands, and throughout Europe.

The two-day international workshop: "Is Gender Dangerous? Unravelling anti-gender and anti-migrant movements and reflecting on the current challenges of doing research on gender." was held on 19-20 September 2019 on the VU University. This event combined a two-day international workshop with the organisation of the interannual meeting of the EASA Network for Anthropology of Gender and Sexuality (NAGS). Organized by An van Raemdonck in cooperation with the Department of Social and Cultural Anthropology and CLUE+ as well as with the Department of Ethnology and Cultural Anthropology, University of Wroclaw and LOVA network, the workshop brought new and strengthened the already existing networks out of which future initiatives, both personally and institutionally based, will certainly emerge. The workshop and keynote lecture attracted numerous audience members, including VU SCA faculty and students and provided a platform for inspiring discussions.

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RESEARCH CLUSTER 3: PARADIGMS OF CREATIVITY

PROGRAMME COORDINATOR: DR. KRISTINE STEENBERGH

AIMS AND THEMES
This cluster centers on the question how cultural production and exchange have developed in the last centuries in a context of ‘creativity’. Creativity is studied not only in terms of the individual producer’s motivations, ambitions, activities, and strategies, but also concerning the social-political surroundings in which innovation and originality have been recurrently promoted as key aspects of an industrial and post-industrial society. Today, creativity is no longer restricted to a finite class of makers, but has become a societal paradigm, including what we might call ‘creative use’ and ‘self-creation’.

Creativity in everyday life and in artistic production is historically conditioned and has changed throughout the ages along with production technologies, mediation processes and reception practices. It is embedded in changing relations of material and immaterial culture, public and private...
spheres, documentary sources and imagined narratives. It is subject to changing contents of value-related concepts such as originality, authenticity and the like, which evolve historically and are instrumentalized to cater for the public, institutional, and individual demand. Therefore this cluster is dedicated to studying expressions of creativity in their specific historical, institutional and societal contexts, in a comparative analysis of early modern, modern, and contemporary practices. In fact, contemporary concepts of creativity are no longer restricted to the idea of the absolute new, but also related to practices of creative reuse, appropriation, (re)mediation, and recontextualization. We therefore need to thoroughly scrutinize the aesthetic, cultural and political practices of mediation, exploration and reflection which have emerged as part of and in response to expressions of creativity. At the same time, research on creativity has to be done in close relation to what is often considered its opposite, namely established traditions, cultural norms and institutional contexts. In the context of these developments, we also have to reconsider notions of authorship and legal conditions of creativity, as well as its relation to the increasingly conflicting notions of innovation and sustainability.

In order to do so, researchers of the cluster study creativity along different perspectives, theoretically and historically. Starting from the self-fashioning and organization of producers of visual, literary, and material artifacts the cluster sets out to specifically address the diverse actors and audiences of creativity and their respective practices, including core concepts such as authenticity, originality and innovation, but also the changing definitions of amateurs and professionals, producers and consumers, of private and public spheres and what it means to participate in culture. Related to this is the exchange between individual actors, commercial and cultural systems as contexts and locations of creative practices. It researchers the influence of the increasing geographical and temporal mobility of actors and objects on concepts of creativity, including the interplay of different layers of temporality which challenge our spatial and temporal concepts of history, including genealogies of art, communities and political geography, as well as the canonization of its narratives and the different processes of inclusion and exclusion at stake. A further focal point are questions of intermediality and (re)mediation, that is the convergences between different media (visual art, literature, film, digital media, design, games) and their respective forms of mediation, and preservation (museums, archives, the public sphere, collective memory), including practices of appropriation, reenactment, versioning, and translation, in physical as well as digital space.

RESEARCH IN THE ARTS
Also methodologically, the cluster aims at exploring new pathways, especially concerning integrated research bridging theory and practice and exploring new experimental ways of humanities research. Reaching out both to curatorial and artistic research, the cluster...
Database on Women Architects and Designers with Geographic Information System (GIS). The Database includes biographies of women architects (civil engineers), interior and landscape designers, and urban planners. © MoMoWo, www.momowo.eu

aims at exploring the possibilities of integrated research in between artists, curators, and university scholars of all disciplines.

Researchers of the CLUE+ cluster ‘Paradigms of Creativity’ are active in the research platform ARIAS – founded in 2016 by the Amsterdam University of the Arts (AHK), Gerrit Rietveld Academy, Amsterdam University of Applied Sciences (HvA), University of Amsterdam (UvA) and Vrije Universiteit (VU Amsterdam) to enable intersections, encounters and collaborations between art-research and research in the humanities, social sciences and the natural sciences.

But they also research the institutional frameworks of artistic production. As an example, in 2019, Suki de Boer defended a PhD thesis on the role of corporate collections, and especially their aims in commissioning artistic work.

In the line of strengthening cooperation in between art & research, the cluster also supported and intensified cooperation with the VU art curator, Wende Wallert. In 2019, students and young researchers cooperated in two exhibitions shown at the VU: “Cabinet of Wonders”, and “What about me. In search of identity”. Furthermore, CLUE+ researcher Sven Lutticken was actively involved in so called ‘trainings for the not yet’, a series of events and
workshops organized by the Basis voor aktuele Kunst (BAK) in Utrecht.

Furthermore, at the end of 2019 a special issue of the Journal of the Association for the Study of the Arts of the Present came out, dedicated to the notion of ‘slowness’. It was co-edited by CLUE+ researchers Erin La Cour and Katja Kwastek, and is one of the results of the successful international conference on slowness, organized at the VU in 2018.

DESIGN RESEARCH
The field of design research within the cluster had to face a very sad loss in 2019, with associate professor Marjan Groot, who had just successfully concluded the international EU project on “Women’s creativity since the Modern Movement” (MoMoWo) passed away unexpectedly.

Very positive news from this area is that the NWO/SIA project “RE-source” (about circular design in urban space), in which CLUE+ researcher Prof. Ginette Verstraete has teamed up with Design Academy, Studio Ester van de Wiel and the City of Rotterdam, won two awards at the Dutch Design Awards 2019. For more information, see the “highlight” below.

LITERATURE CLUSTER
In the Literature cluster, Jacqueline Bel was appointed as Professor in Modern Dutch Literature in the Multatuli Chair in November 2019. The appointment gathered broad attention in the Dutch press, with articles in Volkskrant, NRC, Parool, even Metro, and more. The emphasis on Multatuli’s socially engaged writing in the description of the chair resonates with Paradigms of Creativity’s aims to study creativity in its social-political surroundings.

Diederik Oostdijk published Bells for America. The book traces the bizarre history of the Netherlands Carillon, a monument that the Dutch gave to the United States in the 1950, to thank that country for helping to liberate The Netherlands during World War II, and also for the Marshall Plan. Museum Klok & Peel will mount an exhibit based on Oostdijk’s book called “Klokken voor Amerika” and featuring some of the bells of the Netherlands Carillon and a shorter Dutch version of Oostdijk’s book will also be published. Articles in Eindhovens Dagblad, Tubantia, De Telegraaf, and Elsevier Weekblad have appeared on the findings of the book and the renovation, and Oostdijk was also interviewed on the television program EenVandaag.

↓ The in 2019 appointed Professor in Modern Dutch Literature in the Multatuli Chair, Jacqueline Bel. © photo: Ad Valvas.
RESEARCH PROJECTS AND GRANTS

- **The artistic taste of nations. Art collecting, school classification and identity formation in Western Europe, 1600 – 1800.** NWO Aspasia project (2015-2021). (Dr. Ingrid Vermeulen): The project aims to explore how the school classification of art in the intertwined fields of collecting and scholarship contributed to (national) identity formation in the seventeenth and eighteenth centuries. It thereby hypothesizes that a national orientation on art was not a matter of course in this period.

- **Control Copy: Commodification of the Digital Artwork.** PhD project funded by NWO PhD’s in the Humanities, carried out by Steyn Bergs (supervisor Prof. dr. Katja Kwastek): In this research, case studies originating both from within and from outside the art world are studied, as well as 'hybrid' forms; digital artworks that exist partly in the institutional art world, and partly online. The main objective of the research is to interrogate the interrelations between the commodity character, value, and reproducibility of these artworks. How do these digital artworks critique these relations, and to what extent are they simultaneously formed by them?

- **NWO Grant “Smart Culture – Art and Culture” for Comparative Arts and Media for Prof. dr. Ginette Verstraete (2017-2020).** The NWO Call for Smart Culture – Art and Culture was set up in collaboration with the Taskforce for Applied Research (NRPO SIA) and focuses on research in the fields of art, culture, heritage and media in relationship to creative industries. Its main aim is to make connections between innovative artistic and cultural practices and more comprehensive scientific and social issues.

- **Ter voorkoming van ontsiering?. Decline and demolition in the urban network of Holland in the long eighteenth century (1680-1830).** PhD project funded by NWO PhD’s in the Humanities, carried out by Minke Walda (supervisor Prof. dr. Katja Kwastek): The project analyses the seven most important shrinking towns in the close-knit urban system of Early Modern Holland: Haarlem, Leiden, Delft, Gouda, Hoorn, Enkhuizen and Alkmaar. A comparative analysis, based on archival research, will allow me to investigate in detail the actions and instruments deployed to manage urban decline. This will not only increase our understanding of planning for decline within Dutch urban history, but could also contribute to an international framework on the spatial pattern and management of shrinkage in the past, which can inform both heritage professionals and urban planners and architects facing shrinkage in the future.

KEY PUBLICATIONS

- **La Cour, E. & Katja Kwastek (eds.)** (2019). As Slowly as Possible, special issue of ASAP/Journal 4.3.


HIGHLIGHTED

RE-source: Design Research on the Circular City – sponsored by the Dutch Science Foundation (NWO) – is an inspiring example of the Paradigms of Creativity programme’s aspirations to bring together researchers, designers, artists, social partners, professionals, in interdisciplinary projects that connect the humanities to pressing social and environmental problems. The NWO/SIA project, in which CLUE+ researcher Prof. Ginette Verstraete has teamed up with Design Academy, Studio Ester van de Wiel and the City of Rotterdam, won the Dutch Design Research Award 2019. Moreover, one of the design researchers in the project, Simone Post (sustainable textile design) won the 2019 Dutch Design Award in the category Young Designers.

RE-source is a research project that maps urban waste flows so that they can be used as a source of circular thinking, practice and learning. It develops practices, methods and ideas for a more sustainable city (management), while analysing and providing insight into what the systems, locations and materials required for this purpose look like. It designs strategies to convert residual flows into a constant source of renewable resources. Using the network of the municipality of Rotterdam, RE-source investigates which phases are distinguished, which routes are used and which human and non-human actors, such as locations, professionals, tools, vehicles, and distances, play a role. The project resulted in various propositions for the Municipality of Rotterdam, an exhibition of the research during Eindhoven’s Dutch Design Week (October 2019), an accompanying booklet, two films, and a website: https://www.re-source.info/. Two articles are still in progress.

MEDIA ATTENTION

- “De ‘bevrijdingsklok’ die Nederland aan de VS cadeau gaf, wordt na 65 jaar eindelijk opgeknapt”: Diederik Oostdijk. 24/12/2019 (EenVandaag, television)
- Reframing Luchino Visconti: Film and Art: Ivo Blom. 01/12/2019 (Book review in Positif)
- Het spoor terug: De Watermeesters: Petra van Dam. 21/07/2019 (Radio interview)
- Het spoor terug: Mary Pos. Babs Boter. 17/02/19 (radio documentaire)


AWARDS AND PRICES
- VU/FGW internal Aspasia premie: Joana Ozorio de Almeida Meroz
- Facultaire Onderzoeksprijs 2018-2019: Marijn van Beek
- CLUE+ Go Europe Voucher: Joana Ozorio de Almeida Meroz & Javier Gimeno Martinez

RESEARCH CLUSTER 4: KNOWLEDGE FORMATION AND ITS HISTORY

PROGRAMME COORDINATOR:
PROF. DR. RENÉ VAN WOUDENBERG

AIMS AND THEMES
Research in this cluster is focused on the topic of knowledge: how it is acquired, what its sources are, how genuine sources of knowledge can be distinguished from spurious ones, how different disciplines relate to each other (and to the world), the reliability of knowledge producing institutions like universities and the legal system, how their reliability can be optimized, what epistemic responsibilities universities have, how democracy depends on the free acquisition of knowledge, what responsible research consists in, how to respond to the alleged ‘replication crisis’ in certain areas of research, the relation between knowledge and ethical responsibility, as well as on the analysis of “fake news” and what can be done about it.

Knowledge formation goes on in all fields of learning, and hence this is an interdisciplinary cluster par excellence. Therefore, this cluster features philosophers, theologians, and historians that collaborate with legal scholars, political scientists, ethicists, econometrists and scientists.

Themes:
- Cynicism in ancient Greek Philosophy
- Medieval Arabic Philosophy

RESEARCH PROJECTS AND GRANTS
- Early Modern Philosophy
- Moral Responsibility for individual and collective action.
- The Ethics of Nudging
- Scientism
- Science and Democracy
- Neurophilosophy
- The Nature of the Humanities
- Markets and Morality
- Psychiatry, Ethics, and the Law
- Epistemology and Ethics of Extreme Beliefs

The Social Epistemology of Argumentation (ERC-Consolidator), led by Prof. Dr. Catarina Dutilh Novaes, with two PhDs and two Postdocs. The key question of this project is: ‘What does it take for a process of argumentation to improve our epistemic situation?’

The Epistemic Responsibilities of the University (TWCF), led by Prof. Dr. Rene van Woudenberg, with two PhDs, and two postdocs. Key question: ‘What are the core epistemic values that universities should try to uphold, why, and how?’

Amsterdam Research Climate (TWCF, VU, UvA, Amsterdam Medical Center), led by prof. Dr. Lex Bouter, with one PhD student and one Postdoc. This project studies the influence of the research climate in the four Amsterdam academic institutions (Vrije Universiteit, University of Amsterdam, VUMC and AMC) on responsible conduct of research, by means of a survey on Organizational Research Climate, and the
Publication Pressure Questionnaire. (www.amsterdamresearchclimate.nl)

- **Sustainable Cooperation: Roadmaps to a Resilient Society** (NWO, Zwaartekracht), led by prof. dr. Martin van Hees, with 26 PhDs, and one Postdoc. The aim of this multidisciplinary project of philosophers, social scientists, historians and psychologists is to develop solutions for sustainable development in the areas of care, work, and integration.

- **Knowledgeable Democracy: A Social-Epistemological Inquiry** (NWO Talentprogramme Vidi), led by Jeroen de Ridder, with one PhD and two Postdocs. Key question: ‘How to evaluate and improve the knowledge-producing potential of liberal democracies’. What Good Markets Are Good For - Towards a Moral Justification of Free Markets in Europe (TWCF), led by Prof. dr. G. Buijs, with a number of senior staff at 4 Dutch universities. The guiding hypothesis that this project sets out to corroborate is: “Societies with free-market economies flourish because and in so far as the key market actors (states, businesses and individuals) respect morality, and act virtuously.”

- **Extreme Beliefs. The Epistemology and Ethics and of Fundamentalism** (ERC-SG), led by Dr. Rik Peels, with two PhDs and one Postdoc. The project is devoted to a conceptual and normative assessment of fundamentalist belief.

- **Scientism** (TWCF), led by prof. dr. Rene van Woudenberg, prof dr. Gijsbert van den Brink, Prof. dr. Gerrit Glas, and dr. Jeroen de Ridder, with four PhDs, and five postdocs. The core question is whether science is the only, or even the best, route to obtain knowledge.

- **Belief and Voluntary Control.** (NWO Doctoral Grant for Teachers), executed by Valentin Arts. Core question: ‘Can humans believe at will, i.e. just by deciding to do so?’

- **Two PhD scholarships** (NWO PhD’s in the Humanities) for Ruben Verhagen and Linda Holland.

**KEY PUBLICATIONS**

- Peels, R., de Ridder, J., Haven, T. & Bouter, L., "Value pluralism in research integrity". In: Research Integrity and Peer Review 4[2019], 1-18

**HIGHLIGHTS IN RESEARCH**

- CLUE+ has been able to fund a number of projects and initiatives in the theme “Knowledge Formation and its History”. It has sponsored, among others all of the following:
  - Leon van den Broeke, The Quest for perfection: State, Religion and Art.
  - Jelmer Heeren, grant Early Career Fund
  - Linda Holland, organisation conference by women in Philosophy
  - Jeroen de Ridder, Workshop Political Epistemology
  - Tamerinde Haven, grant Early Career Fund, for Scholar in Residence Centre for Open Science
  - Leon de Bruin, Workshop What is Translation Workshop
  - Marije Martijn, CJ de Vogel Symposium “21 century Plato”.

- **CLUE+ ANNUAL REPORT 2019**
ValORIZATION

In 2018 Ad Verbrugge, Govert Buijs and Jelle van Baardewijk published *Het goede leven en de vrije markt* (Amsterdam: Lemniscaat)—a textbook written for VWO highschool exam candidates. The book is being used by many others as well, and it has elicited quite a bit of discussion. The authors are well sought-after speakers for a wide variety of non-philosophy audiences.

The latter is true as well of Govert Buijs’ book *Waarom werken we zo hard?* It received favorable reviews in such diverging newspapers as *NRC* and *De Telegraaf*. It is one of the public-oriented outputs of his “What Good Markets are Good For” project. We think it is of great value when philosophers engage in public debates!

We think the same of theologians and researchers of religion. Of all VU faculties, the Faculty of Religion and Theology is most often present in the public media. As an output of the Scientism-project, theologian Gijsbert van den Brink published his *En de aarde bracht voort*, in which he discusses whether standard evolutionary theory would entail or require an adaptation, reformulation or rejection of the traditional doctrinal teachings of Christianity. The book, which recently appeared in English, went through 8 Dutch editions and was for many months a bone of discussion in a number of media. One response to the book was published in 2019, a volume in which scientists, theologians and philosophers discuss parts of Van den Brinks book. The volume was edited by, among others, CLUE+ member Rik Peels, and bears the title *En God zag dat het goed was*—which fueled further discussion in the media. One central bone of contention is whether evolutionary theory aggravates the problem of evil.

**MEDIA ATTENTION**

- Stel je voor… dat we kunnen bewijzen dat er een god bestaat. Jeroen de Ridder. 24/12/2019 (Interview voor Nationale Wetenschapsagenda)
- Onze publieke rede is niet krachtig genoeg. Jeroen de Ridder. 21/12/2019 (Nederlands Dagblad)
- Niets ‘bijzonders. George Harinck. 03/08/2019 (Nederlands Dagblad)
- Prerregistratie kwalitatief Onderzoek. Tamarinde Haven. 05/04/2019 (De Psycholoog)

**AWARDS AND PRICES**

- Jan Brouwer Thesis Award Philosophy: Nina de Groot MA
- KNOW VU Award: dr. Carlo Ierna
- NIAS-Lorentz Theme Group Award: dr. ing. Leon de Bruin

↑ Cover of the book *En God zag dat het goed was* (And God saw it was good). Co-edited by CLUE+ member Rik Peels. © Summum Academic Publications.
1.3 LOOKING INTO THE NEAR FUTURE

In 2020 CLUE+ has added a new, fifth programme around the themes of ‘Text, culture, religion and heritage’. With this programme we wish to unite researchers into the dynamics between culture and religion in past and present society: the role of religion in contemporary society, the impact of the religious past today, its manifestation in texts and culture, and the related heritage. We have welcomed Prof. dr. August den Hollander, of the Faculty of Religion and Theology, as coordinator for this programme.

In 2021 we have planned the standard external evaluation of the institute. To us, this evaluation serves two goals. The first is to review our recent achievements, but the second and equally important goal is to identify challenges and opportunities regarding our strategy, mission and vision. The evaluation will be done on the basis of the new Strategy Evaluation Protocol 2021-2027 [SEP], which has recently been established by the board members of the VSNU, KNAW and NWO. We see it as a challenge especially to develop and integrate new initiatives in the area of Open Science, Academic Culture, PhD Policy and Training and Human Resource Policy. The external evaluation of CLUE+ is planned in January 2021. Preparations for this evaluation started in 2019 and in the coming year the Management team of CLUE+ will write the self-evaluation report of the institute regarding the period 2014 – 2019. This report and, eventually, the outcomes of the overall evaluation will give the institute new insights regarding its past strategies and best practices. It will also help in finetuning what can be improved and in anticipating new developments at national and international levels (for example developments in the area of Open Access, Data Risk Management and Diversity/Talent Management).

CLUE+ will also put extra effort in enhancing and extending the networks and themes that have been developed so far. As far as acquisition of funding is concerned, the aim is to continue the very successful line of the last years. To that aim CLUE+ researchers will continue to submit funding applications, especially for the NWO Talent programme, the NWO Free Competition Humanities and the NWO PhD’s in the Humanities, as well as for calls of the European Union (JPI, COST, Horizon2020).

The institute will continue to support activities (organisation seminars, workshops etc.) which are instrumental in preparing for the criteria of national and international calls. To guarantee the continuation of this policy, talent development will be closely monitored along the lines set out for CLUE+ in general. Accordingly, summer schools and honours classes are in our focus, as incubators of talent. Junior researchers will also be stimulated to engage prominently in the various research groups, amongst others with a CLUE+ Early Career Fund and by inviting them to organize workshops, (international) consortium meetings and to write competitive research proposals. The institute will also prepare every two years a call for the Go Europe Voucher which will give researchers the opportunity to prepare for a call for the European Union.
Futuristic architecture in Amsterdam, the Eye Filmmuseum.
Part 2: Quantitative section

2.1 RESEARCH STAFF - TABLE 1

In 2019 the number of staff of the institute has remained stable with respect to the two years before, with the exception of that of PhD’s, which has increased significantly (table 1). As far as the PhD researchers is concerned, two main categories can be recognized. The first category is on the pay roll of VU Amsterdam and is therefore under the condition of employment of the Vrije Universiteit Amsterdam. The second category does not have a labour relation to the Vrije Universiteit Amsterdam but receives funding from internal or external funding agencies i.e. foreign governmental institutions.

As far as the support staff of CLUE+' is concerned, it is composed of the Director, the Policy Officer and a student assistant.
### TABLE 1. RESEARCH STAFF

<table>
<thead>
<tr>
<th>Research unit</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>#</td>
<td>FTE</td>
<td>#</td>
</tr>
<tr>
<td>Scientific staff (tenured staff)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Assistant professor</td>
<td>67</td>
<td>15.4</td>
<td>71</td>
</tr>
<tr>
<td>Associate professor</td>
<td>18</td>
<td>5.86</td>
<td>26</td>
</tr>
<tr>
<td>Full professor</td>
<td>49</td>
<td>16.60</td>
<td>53</td>
</tr>
<tr>
<td>Post-docs</td>
<td>36</td>
<td>18.07</td>
<td>38</td>
</tr>
<tr>
<td>PhD students</td>
<td>61</td>
<td>43.58</td>
<td>70</td>
</tr>
<tr>
<td>Other</td>
<td>3</td>
<td>1.18</td>
<td>11</td>
</tr>
<tr>
<td>Total research staff</td>
<td>234</td>
<td>100.69</td>
<td>269</td>
</tr>
<tr>
<td>Support staff</td>
<td>3</td>
<td>1.3</td>
<td>3</td>
</tr>
<tr>
<td>CLUE+ fellows</td>
<td>3</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Total staff</td>
<td>6</td>
<td>1.3</td>
<td>6</td>
</tr>
</tbody>
</table>

Note 1: Comparable with WOPI categories HGL, UHD and UD; tenured and non-tenured staff

Note 2: Comparable with WOPI category Researcher

Note 3: Standard PhD (employed) and Contract PhDs (externally or internally funded but not employed)

Note 4: These are researchers with research time / FTE who doesn’t fit the previous mentioned categories (Endowed Professor, Research Assistant)

### 2.2 RESEARCH OUTPUT - TABLE 2

CLUE+ links researchers from the Faculty of Humanities, Faculty of Religion and Theology, Faculty of Law and the Faculty of Science. These domains have developed their own scientific output strategies; thus, in the Humanities traditionally there is a strong emphasis on the production of monographs and book chapters, whilst in Science, for instance, co-authored and compact publications in peer reviewed journals are a prerequisite to survive. However, these differences between domains are becoming smaller and smaller.

<table>
<thead>
<tr>
<th></th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Book</td>
<td>48</td>
<td>53</td>
<td>37</td>
</tr>
<tr>
<td>Refereed article</td>
<td>158</td>
<td>211</td>
<td>215</td>
</tr>
<tr>
<td>Non-refereed article</td>
<td>19</td>
<td>27</td>
<td>28</td>
</tr>
<tr>
<td>Book chapter</td>
<td>126</td>
<td>154</td>
<td>117</td>
</tr>
<tr>
<td>PhD thesis</td>
<td>22</td>
<td>37</td>
<td>33</td>
</tr>
<tr>
<td>Professional publication</td>
<td>132</td>
<td>193</td>
<td>135</td>
</tr>
<tr>
<td>Publications aimed at the general public</td>
<td>76</td>
<td>104</td>
<td>93</td>
</tr>
<tr>
<td>Other research output</td>
<td>151</td>
<td>118</td>
<td>97</td>
</tr>
<tr>
<td>Total research output</td>
<td>733</td>
<td>897</td>
<td>755</td>
</tr>
</tbody>
</table>

Note: these figures were taken from Pure on April 14th 2020. Experience has shown that they are always a low estimate. The same applied to the overall output for 2018. In our annual report for 2018, we reported that the institute’s total research output consisted of 824 publications. On April 14th, this was adjusted to 897. We expect to make the same upwards adjustment next year with respect to the 2019 output.
2.3 FUNDING - TABLE 3

As is demonstrated by table 3, 2019 has been particularly successful with regard to the acquisition of external funding. Notably the funding from contract research has doubled with respect to 2018. In table 3 a difference is made between the direct funding and the expenditure of the supporting office of CLUE+ and all other income (research grants, etc.) that has been raised with the support of the institute. This income is administered by the faculties that participate in CLUE+.

<table>
<thead>
<tr>
<th>TABLE 3. FUNDING IN K€</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
<tr>
<td>Direct funding¹</td>
</tr>
<tr>
<td>Research grants²</td>
</tr>
<tr>
<td>Contract research³</td>
</tr>
<tr>
<td>Other⁴</td>
</tr>
<tr>
<td>Total funding</td>
</tr>
<tr>
<td>Expenditure:</td>
</tr>
<tr>
<td>Personnel costs</td>
</tr>
<tr>
<td>Other costs</td>
</tr>
<tr>
<td>Total expenditure</td>
</tr>
</tbody>
</table>

Note 1. Direct funding CLUE+ by the University (basis financiering/ lumpsum budget).
Note 2. Research grants obtained in national scientific competition (e.g. grants from NWO and the KNAW).
Note 3. Research contracts for specific research projects obtained from external organizations, such as industry, government ministries, European organizations and charitable organizations.
Note 4. Funds that do not fit into the other categories.
## 2.4 PhD DEFENCES

The PhD defences mentioned below are (co-)supervised by CLUE+ members. In 2019 thirty-three PhD defended their thesis.

<table>
<thead>
<tr>
<th>FACULTY</th>
<th>NAME</th>
<th>DATE</th>
<th>TITLE THESIS</th>
<th>1ST SUPERVISOR</th>
<th>2ND SUPERVISOR</th>
<th>1ST CO-SUPERVISOR</th>
<th>2ND CO-SUPERVISOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSW</td>
<td>Hermsen, A.S.</td>
<td>January 16, 2019</td>
<td>Now You Know</td>
<td>Prof. dr. P. Kerkhof</td>
<td></td>
<td>Dr. J. Frost</td>
<td>Dr. R.J. Renes</td>
</tr>
<tr>
<td>FRT</td>
<td>Chouliaras, A.</td>
<td>February 7, 2019</td>
<td>The Anthropology of St. Gregory Palamas: the Image of God, the Spiritual Senses, and the Human Body.</td>
<td>Prof. dr. J. Behr</td>
<td></td>
<td>Prof. dr. A. Louth</td>
<td>Dr. H.P.S. Bakker</td>
</tr>
<tr>
<td>FGW</td>
<td>Haverkate, J.M.M.</td>
<td>February 12, 2019</td>
<td>Spindoctors van de Gouden Eeuw</td>
<td>Prof. dr. I.B. Leemans</td>
<td></td>
<td>Dr. D.M.L. Onnekink</td>
<td>Dr. J.W.H.P. Verhagen</td>
</tr>
<tr>
<td>FGW</td>
<td>Joyce, J.A.</td>
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→ Interior of the renewed Hoog Catharijne shopping mall in Utrecht, The Netherlands. © photo: Bert Brouwenstijn, CLUE+. 
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→ Photo by the Dutch 19th century photographer Jacob Olie of the Paleis voor Volksvlijt (Palace of Popular Diligence) in Amsterdam. The palace burnt down in February 1929. It was considered being one of the most beautiful buildings in Amsterdam.

Cover photo: Detail of the renovated Central Station area in Utrecht, The Netherlands.
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