In 2014 CTR focused on research in the two research programmes, "Textile Economies in the Mediterranean Area (TEMA)" located in the University of Copenhagen, and "Textile Crafts and Cultures (TECC)" primarily located at the National Museum of Denmark. The primary staff of CTR in 2014 consisted of director Marie-Louise Nosch, twenty researchers: Ulla Mannering, Eva Andersson Strand, Karin Margarita Frei, Mary Harlow (UK), Hedvig Landenius-Enggren (SE), Ellen Harlizius-Klück (DE), Berit Hildebrandt (DE), Miguel Ángel Andrés-Toledo (ES), Matteo Vigo (IT), Malgorzata Siennicka-Rahmstorf (PL), Joanne Cutler (UK), Paula Hohti (FI), Salvatore Gaspa (IT), Romina Laurito (IT), Flavia Carraro (IT/FR), Giovanni Fanfani (IT/SE), Caroline Sauvage (FR/USA), Susanne Lervad (DK), Ulla Lund Hansen (DK) and Lone Gebauer Thomsen (DK). The primary staff of CTR in 2014 consisted of director Marie-Louise Nosch, twenty researchers: Ulla Mannering, Eva Andersson Strand, Karin Margarita Frei, Mary Harlow (UK), Hedvig Landenius-Enggren (SE), Ellen Harlizius-Klück (DE), Berit Hildebrandt (DE), Miguel Ángel Andrés-Toledo (ES), Matteo Vigo (IT), Malgorzata Siennicka-Rahmstorf (PL), Joanne Cutler (UK), Paula Hohti (FI), Salvatore Gaspa (IT), Romina Laurito (IT), Flavia Carraro (IT/FR), Giovanni Fanfani (IT/SE), Caroline Sauvage (FR/USA), Susanne Lervad (DK), Ulla Lund Hansen (DK) and Lone Gebauer Thomsen (DK). Administrator Mette Bruun and coordinators Laila Glienke and Egzona Haxha were PA's for Nosch. Research assistant was Peder Flemestad, editorial assistant Cherine Munkholt and laboratory assistant Cristina Olsen. Five PhD scholars (Luise Ørsted Brandt, Vivi Lena Andersen, Charlotte Rimstad, Karolina Hutkova and Cecilie Brøns) and other scholars were employed/affiliated for 1-12 months (Lena Bjerggaard (DE/DK), Lorenz Rahmstorf (DE), Richard Firth (UK), Cécile Michel (FR), Magdalena Ohrmann (SE), Ida Demant (DK), and Solveig Hansen (DK)). Student helpers in 2014 were Sidsel Frisch, Camilla Ebert, Camilla Toft Sørensen, Ulrikka Mokdad, Julie Bjørg Raith, Stine Marie Bøttern, Line Lerke, Louise Ludvigsen, Philip Dons and Ziff Jonker. Gabriela Longitano (IT), Laura Mazzaglia (IT), Lena Erdnüss (DE), Ariel Rosenblum (US) and Mim Tosting (SE) were interns. Visiting PhD scholars were Christopher Britsch (AU), Christoph Kremer (DE), Louise Quillien (FR), Kaamya Sharma (IN), Miao SU (CN), and MA student Rulin Yang (CN). In the National Museum of Denmark the conservators Irene Skals and Anne Lisbeth Schmidt also participated in CTR’s research, as did numerous collaborators from Europe, USA, Canada, Israel, India, Jordan, China, Australia and Russia. Since textile research is primarily conducted by female scholars, CTR has actively sought to recruit male scholars as postdocs or to invite male colleagues as visiting scholars. In 2014 the CTR staff gender balance was 14:4: researchers, 5:0: PhD students and 9:1: student helpers.

In 2014 CTR was subject to its final international evaluation by three international experts who all gave CTR the highest possible grade: excellent. Other important research activities were the final editing of several books, conference proceedings as well as monographs and papers. CTR arranged 19 international conferences, seminars and workshops in 2014, and CTR scholars gave 133 lectures at international conferences in 17 countries. CTR staff also gave 24 interviews in different Danish electronic media, contributed to articles in Danish and foreign newspapers, and made 42 outreach presentations. In 2014, CTR staff and collaborators published 19 papers in journals, 11 papers in anthologies, 13 papers in conference proceedings, 106 book chapters, 38 other types of publications and 7 books.

The total publication productivity 2005-2014 in CTR:

<table>
<thead>
<tr>
<th>Total number of publications:</th>
<th>2005-2014</th>
<th>Peer reviewed</th>
<th>Non-peer reviewed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of journal articles</td>
<td>115</td>
<td>98</td>
<td>17</td>
</tr>
<tr>
<td>Number of conference series*</td>
<td>75</td>
<td>67</td>
<td>8</td>
</tr>
<tr>
<td>Number of books*</td>
<td>35</td>
<td>32</td>
<td>3</td>
</tr>
<tr>
<td>Number of book chapters</td>
<td>394</td>
<td>385</td>
<td>9</td>
</tr>
<tr>
<td>Research reports on web site</td>
<td>39</td>
<td>39</td>
<td>0</td>
</tr>
<tr>
<td>Others</td>
<td>149</td>
<td>43</td>
<td>106</td>
</tr>
</tbody>
</table>

* Number of articles in conference proceedings

* This number includes monographs and anthologies edited by CTR

In 2014 CTR welcomed three new Marie Curie mobility grant scholars, Romina Laurito (IT), Flavia Carrasso (IT) and Caroline Sauvage (US). Two PhD students, Cecilie Brons and Luise Ørsted Brandt submitted their PhD dissertations. The Margrethe Hald prize was awarded for the second time to excellent students with a master’s thesis on a textile topic.

On the 4th of October the temporary exhibition, *Fur – An issue of Life and Death* opened at the National Museum of Denmark. The exhibition is based on new research results gathered from the research programmes Textile Crafts and Cultures and the Northern World.

CTR went on a USA lecture tour 9th-24th November, where joint or individual talks were given and exhibitions and textile collections were visited in Boston, New Haven, New York, Washington, Philadelphia, Poughkeepsie, Princeton, Wisconsin, and Los Angeles. The tour expanded our networks in the USA and enabled us to visit textile collections which are not on display.

CTR and Land of Legends in Lejre organized an experimental workshop in August. Over four days the participants conducted textile experimental work producing textile tools, and worked with fibre preparation, spinning, weaving and plant dyeing.

I 2014 påbegyndte 3 forskere deres Marie Curie mobilitet grant på CTR: Romina Laurito (IT), Flavia Carraro (IT) og Caroline Sauvage (US). To ph.d. stipendater, Cecile Bröns og Luise Ørsted Brandt, afleverede deres afhandlinger. Margrethe Hald prisen blev uddelt for anden gang til specialer om tekstile emner.


CTR og Sagnlandet i Lejre organiserede en eksperimenetel workshop i august. I løbet af 4 dage blev deltagerne bekendt med forskellige arbejdsmetoder såsom fiberforberedelse, spindling, vævning og plantefarvning, samt fremstilling af tekstilredskaber.
TEXTILE ECONOMIES IN THE MEDITERRANEAN AREA (TEMA) (2010-2016)

STAFF
Historian Marie-Louise Nosch, archaeologist Eva Andersson Strand, archaeologist Hedvig Landenius Enegren, philologist Giovanni Fanfani, archaeologist Cecile Brøns, terminologist Susanne Lervad, Indo-European philologist Miguel Angel Andres-Toledo, hittitologist Matteo Vigo, archaeologist and historian Berit Hildebrandt, archaeologist Malgozata Siennicka, assyriologist Salvatore Gaspa, philologist Peder Flemestad, archaeologist Joanne Cutler (UCL), archaeologist Romina Laurito, anthropologist Flavia Carraro, archaeologist Caroline Sauvage. Visiting PhD scholars Christopher Britsch (Wien) and Christoph Kremer (Bochum), visiting MA students Gabriela Longitano and Laura Mazzalía (Catania).

SCIENTIFIC FOCUS AREAS IN 2014
The TEMA group’s aim was partly to conduct individual research projects, such as postdoctoral and PhD projects, and partly to complete joint projects. Of particular note is that the TEMA team in 2014 was often invited as a group to give lectures together, for example in Berlin, Athens, and the USA. Important TEMA academic activities include in 2014:

- We gave in spring a series of joint or individual evening lectures in the Danish Institute in Athens on relevant TEMA research projects in the Mediterranean (Nosch and Cutler; Siennicka and Sarri; Brøns; Hildebrandt and Papadopoulos). The Danish Institute at Athens invited and co-sponsored the events, and the lectures attracted a large audience.

- The BA/MA course given at the University of Copenhagen, “Women in the Ancient World (3rd to 1st millennia BCE)” was organized by Gaspa and Andersson Strand in collaboration with Susanne Kerner, Near Eastern Archaeology. The TEMA team contributed with individual lectures from their specialized fields (Vigo, Hildebrandt, Cutler; Siennicka, Landenius Enegren, Fanfani, Gaspa, Hildebrandt, Andres-Toledo). In addition, Vigo and Andres-Toledo taught full courses on Hittite Grammar and on Avestan and Pahlavi manuscripts respectively.

- The TEMA group organized, hosted and gave lectures at the international conference Textile Terminologies from Orient to the Mediterranean and Europe, 1000 BC to 1000 AD, with 45 speakers from 11 European countries, Israel, Egypt and China. The conference was organized as an ESOF satellite event by Nosch and Gaspa from CTR and Cécile Michel (CNRS), and will be published by this team. From the TEMA group Gaspa, Nosch, Flemestad, Lervad, Andres-Toledo and Hildebrandt gave papers on their fields of expertise.

- The TEMA group was invited in February to Freie universität Berlin to give lectures about our research in the Excellenzcluster 264, TOPOI, Workshop, Fibre Distinction http://www.topoi.org/event/22905/. Nosch gave a keynote speech and other CTR lectures were presented by Siennicka, Kremer, Britsch and Ørsted Brandt.

- At the CTR US lecture tour, the TEMA team lectured individually in many US institutions and also as a team in 3 whole-day seminars at Yale, Hunter College NY, and Loyola Marymount University Los Angeles.

- Collaborations with CNRS: Vigo and Gaspa from CTR received additional funding from the DNRF to spend research time at CNRS and gather information on Hittite and neo-Assyrian textile terminology, respectively. They were hosted by Cécile Michel. In return, PhD student Louise Quillien from CNRS spent research time at CTR in the summer. In July, Andersson Strand, Michel and Catherine Breniquet (Université Clermont-Ferrand 2) conducted joint field work at Kültepe, Central Anatolia based on the study of textile and basket imprints on clay artefacts (bullae) from the Early and Middle Bronze Age levels. This year the recordings provided the identification of new spinning and weaving techniques, and in certain cases, the identification of the fibre material used. The systematic study of imprints clearly demonstrates that textile production during the Early Bronze Age was already well developed. The results will be presented at the European Archaeologists Association (EAA) conference in 2015, and at the 2nd Kültepe International Meeting also in 2015, and published.

- PhD student Cecile Brøns submitted her PhD, Gods and Garments. Textiles in Greek sanctuaries in the 7th to the 1st century BC. The thesis was completed in exactly 3 years and it was defended successfully on 13th February 2015. It is accepted for publication as a monograph in the Ancient Textiles Series, Oxbow Books, Oxford.

Final editing and publication of 3 important anthologies where TEMA members’ research results are presented:

FIRST TEXTILES (2014-2016)
The new collaborative research project First Textiles focusing on Neolithic and Early Bronze Age textile production is directed by Siennicka. In September 2014 she convened a session “Textiles in a social context. Textile production in Europe and the Mediterranean in the 4th and 3rd millennia BCE” in the European Archaeologists’ Association (EAA) meeting in Istanbul. The session explored the social context and cultural aspects of textile manufacture by presenting new research on textiles in various areas of Europe and the Eastern Mediterranean, based on archaeological, ethnographical, textual, iconographic, and experimental evidence. The meeting comprised eighteen oral and three poster presentations. Altogether, 25 authors from 14 countries were involved with papers covering a large number of themes and approaches displaying the many, as yet understudied, topics of prehistoric textile production. The session achieved its main goal of bringing together textile researchers working on different regions to discuss the social context of this fundamental craft.

TEXTILE CRAFTS AND CULTURES (TECC) (2010-2016)

STAFF
Archaeologist Ulla Mantering, geochemist and archaeologist Karin Margarita Frei, archaeologist Eva Andersson Strand, conservator Irene Skals, conservator Anne-Lisbeth Schmidt, photographer Roberto Fortuna, archaeologist Ida Demant, archaeologist Lone Gebauer Thomsen, lab assistant Cristina Olsen, PhD student, archaeologist Luise Ørsted Brandt, PhD student, archaeologist Charlotte Rimstad, PhD student, archaeologist Vivi Lena Andersen and intern, MA student Ariel Rosemblum (US). Prof. Emerita Ulla Lund Hansen and archaeologist Lene B. Frandsen (Varde Museum) also participated in the scientific work. Margarita Gleba from the McDonald Institute for Archaeological Research, University of Cambridge and Bodil Holst from University of Bergen were linked to the TECC research programme. Collaboration with Prof. Kristian Kristiansen, University of Gothenburg and the researchers employed in the ERC research programme The Rise. Travels, transmissions and transformations in temperate northern Europe during the 3rd and 2nd millennium BC: the rise of Bronze Age societies.

SCIENTIFIC FOCUS AREAS IN 2014
In 2014, the focus was on the dissemination of research results and continued work on the Bronze Age textile collections, with sampling, documentation and analysis of textiles at the National Museum of Denmark. The work of improving and interpreting the fibre analysis of Danish Bronze and Early Iron Age wool continued.

The collaborative work resulted in papers such as one article about species identification published in the open-access journal PlasOne and one article about the methodology of making wool fibre measurements in Archaeological Textiles Review. Also in the Lønne Hede Textile Project, Lund Hansen, Frandsen, Demant and Skals continued work on the manuscript to be published in 2016.

Members of the TECC group conducted three full MA courses in archaeology at the University of Copenhagen and gave many different lectures.

The TECC team hosted the Second Colour Workshop at CTR with participation of approximately 25 researchers and students from Scandinavia, Finland, Europe and USA.

The 4th October 2014 the temporary exhibition “Fur - An Issue of Life and Death” opened at the National Museum of Denmark. Mantering and Schmidt have participated in the concept development, construction and text writing of this large exhibition. The core idea and scientific content of this exhibition has its origin in the TECC and the Northern Worlds research programmes.

In September 2014 the three oak coffins from Borum Eshøj, exhibited in Room 8 in the Danish Prehistory at the National Museum of Denmark were sent to Moesgård Museum in Århus on a five-year loan. Throughout the year Ulla Mantering participated in the planning and rearranging of the exhibition in Room 8, which will include the exhibition of many more Bronze Age textiles and information gathered in the TECC programme.

Luise Ørsted Brandt submitted her PhD Species identification of skins and development of sheep wool. An interdisciplinary study combining textiles research, archaeology, and biomolecular methods which was defended successfully on 13th March 2015.

COSTUMES, CLOTHING, CONSUMPTION, AND CULTURE = EARLY MODERN TEXTILES (2013-2014)
Paula Hohti directed the collaborative research project on early modern textile cultures with special emphasis on Scandinavia based on her Marie Curie research project, Global Encounters: Fashion, Culture and Foreign Trade in Scandinavia, 1500-1630. The research area embraced a wide range of topics focusing on early modern global textile and clothing trade, as well as methodological issues in research in dress and fashion history.
The central questions explored included:

- In what ways can we use archaeological finds to learn about the circulation of foreign fabrics and clothing in Denmark and the development of international fashions in Scandinavia in the sixteenth and seventeenth centuries?
- What economic and cultural implications did the intercontinental trade of silks and cottons have on European cultures and societies in the pre-industrial era?
- What role did textiles play in the Danish colonization of India, and as objects of global consumption and material culture in seventeenth- and eighteenth-century Danish society?
- In what ways did Indian textiles influence Danish consumption patterns in the eighteenth century?
- How did British rule change the existing fashion in India in the early twentieth century?

These questions were explored together with the five PhD students working at or affiliated to CTR (Rimstad and Andersen at CTR, Hutkova in Warwick University, Gupta in Glasgow University, and Martens in the European University in Florence), as well as with a large network of academics and museum curators working on related topics. During the project, several meetings were organized where the PhD students presented their research and discussed it with senior scholars.

The project involved several workshops and conferences including a workshop on Global Textiles and Luxury in November 2013 and a workshop on The Materiality of Textiles and Clothing in May 2014. A final conference, The Global Trade of Textiles and Clothing in the Early Modern Period: Exchange, Meaning and Materialities was organized at the Global History and Culture Centre, University of Warwick in November 2014 in collaboration with Hutkova and Prof. Giorgio Riello.

Hohti’s blog on how to conduct textile research in Copenhagen has now more than 9000 followers: http://earlymodernscandinavianfashion.wordpress.com/.


OTHER CTR RESEARCH PROJECTS

ESOF 2014 IN COPENHAGEN
In June CTR and Frei organized two sessions of the European Science Open Forum in Copenhagen: Cultural heritage in a world perspective (Green Economy) with the key speakers Prof. Robert Frei, University of Copenhagen, Prof. Lotte Hedegaard, University of Oslo, Prof. Jane Evans, British Geological Survey (UK) and Senior Researcher Jette Arneborg, National Museum of Denmark and Old textiles provide new knowledge (Material and Virtual World) with the key speakers Prof Zhao Feng, CNSM (CN), Senior Researcher Dominique Cardon, CNRS (FR), Prof. Kristian Kristiansen, University of Gothenburg and Frei. The sessions exposed CTR research to a completely new and different audience.

CTR AND JORDAN
In March CTR organized a workshop Traditional Textile Craft – an Intangible Cultural Heritage at the Jordan Museum Amman in collaboration with the Jordan Museum and the University of Leicester (UK). The workshop gathered 60 participants from eight EU countries and USA, Jordan, Japan, India, Israel and Qatar representing textile craft organisations, modern textile designers, textile craft technicians, UNESCO, and the academic disciplines of archaeology, anthropology, history and philology. The aim was to create an interactive, international and interdisciplinary network and platform for knowledge exchange which allow wide ranging and innovative approaches in this area and to make the importance of textile crafts and textile histories more visible with a clear recognition of the inter-relationships among textiles, textile crafts, people and cultural heritage. The workshop resulted in several new project proposals, among them an EU-project Weaving Creativity in collaboration with scholars, craft organisations, textile craftspeople and textile fashion designers from several countries. The blog created for the workshop http://www.traditionaltextilecraft.dk/ has had over 55,000 visitors and will continue to publish new information. All presentations during the workshop are presented online and currently an e-publication is being prepared.

CTR AND CHINA
Since 2009, CTR has had an intensive collaboration with Director, Prof. Zhao Feng from the China National Silk Museum (CNSM) and Donghua University, Shanghai. In 2014 this collaboration included editing and publication of the anthology Global Textile Encounters (Ancient Textiles Series 20) edited by Nosch, Zhao and Lotika Varadarajan from the National Museum in New Delhi, India. The book will also be published in Chinese in 2015 by Donghua University Press. It is now nominated for an international book award and presented at international book fairs.
Two Chinese PhD and MA students Miao SU and Rulin Yang stayed one month at CTR and the National Museum of Denmark in 2014. In June the TECC group arranged a workshop and public lectures at the National Museum of Denmark with participation of Kristian Kristiansen (SE), Dominique Cardon (FR), Zhao Feng (CN), Li Wenying and Ydridili Abuduresule from the Institute of Archaeology in Xinjiang, China. In August, Mannering, Frei and Skals visited Urumqi to study the textiles from the Small River Cemetery and other textile finds from the Chinese Xinjiang province. During the visit the possibilities to obtain some of these textiles for a small temporary exhibition at the National Museum of Denmark in 2017 were discussed, but the plans were later abandoned due to the costs.

CTR AND USA

November 9th–24th CTR went on a lecture and research tour to universities and museums on the east and west coast of the USA. Joint or individual talks were given and exhibitions and textile collections visited in Boston (Harvard, Boston Museum of Fine Arts), New Haven (Yale and Beinicke Rare Book and Manuscript Library), New York (Hunter College, Metropolitan Museum, Antonio Ratti Center, Bard Graduate Center), Washington (Textile Museum, Dumbarton Oaks), Philadelphia (Temple University, Penn Museum), Poughkeepsie (Vassar College), Brown University, Princeton University, Columbia University, ISAW, Wisconsin Green Bay University, and Los Angeles (The J. Paul Getty Museum, Loyola Marymount University). The tour expanded our networks in the USA and enabled us to see textile collections which are not on display.

The CTR USA tour team comprised: Nosch, Andrés-Toledo, Ørsted Brandt, Brøns, Carraro, Cutler, Fanfani, Hohti, Sauvage, Andersson Strand, Lervad, Papadopoulou, Rahmsdorf, and our 2 Chinese collaborators, Wang Le from Donghua University, and Xu Zheng, China National Silk Museum, and finally Michaela Goff representing our publisher Oxbow Books’ US office, selling CTR’s books during the tour.

MARIE CURIE MASTER CLASS 2014

Since 2011 CTR has hosted an annual international master class aiming to attract young European scholars to CTR and the University of Copenhagen. The model is now copied in Danish and foreign universities. This year’s master class was arranged by Nosch, Andersson Strand and Fanfani, and was attended by ten candidates from Germany, Greece, Israel, UK and Italy. To support their applications, they received expert guidance on the application process from university staff and EU consultants, and were closely monitored by CTR staff, with one-to-one mentoring and peer review sessions with experts in their fields. Ten applications for Marie Curie mobility grants were submitted, all candidates were ranked over the threshold, and four scholars were recipients of funding from Horizon 2020 and they will join CTR in 2015-2017.

RESEARCH INTEGRITY

CTR discussed this thoroughly and published its own set of guidance: http://ctr.hum.ku.dk/about

CONCLUSION

CTR’s major milestones and achievements for 2014 were:

1. Excellent international evaluations of CTR, with the grade EXCELLENT by the three reviewers;
2. Publication of significant books grouping CTR’s research results and disseminating knowledge of textile research to academic and non-academic communities;
3. Large new initiative of researchers and craftswomen in Jordan supported by UNESCO and the National Museum in Amman;
4. Welcoming three new Marie Curie Fellows (2014-2016) with focus on textile archaeology and on the anthropology of textile knowledge, crafts and academic textile research;
5. Successful USA lecture and study tour by CTR staff members, expanding our professional networks.

Ved underskriften bekræftes det, at beretning og regnskab med tilhørende noter og oversigter indeholder alle relevante oplysninger, som vedrører årets primære aktiviteter i Danmarks Grundforskningsfonds Center for Tekstilforskning

March 2015
Marie-Louise B. Nosch, Director