COST

EUROPEAN COOPERATION
IN SCIENCE AND TECHNOLOGY

architecture beyond

E U R O P E A N   A R C H I T E C T U R E   B E Y O N D   E U R O P E

COST-ACTION IS0904

FINAL REPORT WORKING GROUP 1

"Actors and Networks of Expertise"

2010 - 2014

REPORT _ JOHAN LAGAE / 10.03.2014

GOAL OF WG1

As mentioned in the initial workplan of the COST-Action, the objective of this research track is to look at the multiplicity of actors that shaped the transfer of European architecture overseas. Research in architectural history traditionally focuses primarily, if not exclusively, on the activity of architects. While a central place will be given to this particular actor of the designing and building process, the Action will also look at other agents involved in the dissemination of European architecture outside Europe, such as engineers, contractors and patrons, but also specific mechanisms such as colonialism, migration or missionary activity. Particular attention will be given to European-trained designers of non-Western origin. A part from mapping distinct networks based on education, socio-religious identity or corporate activity, and their possible intersections, this WG aims at developing a theoretical and methodological framework for studying such circulation flows.

Over the four years of the action, WG1 has been able to address some of the themes mentioned above, but not all. In terms of agency, a strong focus has remained on the figure of the architect, with only a few members having looked at engineers or contractors. However, a substantial part of the discussion within the group has been devoted to the emergence of the "global expert/consultant" in the late 1950s, a topic so far neglected in historiography and that will be addressed in a specific issue of the ABE-journal (see below). While some attention has been given to the role of missionary activity, the main focus within WG1 was on colonialism and on migration as vectors of dissemination. Given the expertise of its members, the geographical focus of WG1 has been mainly on Africa, while insights on the situation in India, the Dutch Indies, and Australia were also brought into the discussion. Latin America has not been dealt with so far, although at times links with this continent have been addressed by some members.

In terms of methodology, WG1 has engaged in discussions around building up expertise for mapping and visualizing networks between individuals (using new digital tools that were presented during training schools). There remains however a large amount of work to be done on this aspect, given the complexity of the task at hand. This will require further collaboration with experts from WG4, with whom there has been interaction over the years. While there have been efforts to stimulate discussions and interactions on more theoretical issues, also by inviting scholars from other disciplines to WG1 meetings (such as researchers specialized in prosopography or Actor-Network Theory), most of the research discussed during meetings remained case-study based. In some of the output (see below), an effort will be made to situate these cases in a more elaborate theoretical framework.

MEMBERS

Over the course of the Action, WG1 has been steadily growing in members leading to a constantly expanding list, with some members being more closely involved than others : Ricardo Agarez (P), Nikolai Brandes (G), Diego Caltana (Au), Johan Lagae (B), Bruno De Meulder (B), Kim De Raedt (B), Luce Beeckmans (B), Viviana d'Auria (B), Christel Frapier (F), Regina Göckede (G), Eduard Kögel (G), Rachel Lee (G), Alexandra Yerolympos (Gr), Kathleen James-Chakraborty (IR), Liora Bigon (Is), Haim

Yacobi (Is), Vilma Fasoli (IT), Madalena Cunha Matos (P), Leila El-Wakil (SW), Ola Uduku (UK), Alex Bremner (UK), Iain Jackson (UK), Tania Sengupta (UK), Andrew Leach (AUS), Stuart King (AUS), Deborah Van der Plaat (AUS), Lukasz Stanek (SW/USA/UK).

The activities of WG1 have included a number of other scholars, as invited experts (such as Miles Glendinning,…), while during participation of WG1 members at international conferences, interest of a number of other researchers working on related topics has been raised (a.o. via the dissemination of the brochure produced on the COST-action). This has led to the establishment of a strong and dynamic group of scholars, large part of which has committed to long lasting collaboration after the end of the COST-Action.

The COST-Action has been very instrumental for junior researchers to disseminate their research in an international community and creating relationships with research centers beyond their home institute. A number of them have also has strongly benefitted for doing an STSM (see below).

Only in a late stage of the action were new contacts established with more scholars from Portugal where the research on colonial architecture and urbanism is currently gaining momentum. Even if these scholars have only been able to join the activities of WG1 in the last stage, these contacts will become very fruitful for the coming period as from discussions within WG1 on transnational flows of expertise in Africa, the importance of the Portuguese case has become very clear.

MEETINGS

Over the course of the Action, WG1 has held the following meetings, while its members have been very active in participating in the Annual Workshops, where they presented their ongoing research.

Marseille, 14.09.2010: kick-off meeting WG1

Ghent, 31.01 –01.02.2011: Presentation of ongoing research + lectures by invited guests on methodological issues (prosopography, actor-network theory, digital databases)

Liverpool, 10.10 – 11.10.2011: Presentation of ongoing research + discussion on theoretical concepts relevant to the themes researched within WG1 + presentation of methods for visualizing networks

Ghent, 20.06 - 22.06.2012: Defining topics for theme issues of WG1 with presentation of related research.

Dublin, 03.11 – 04.11.2012: Discussion of the 3 topics for theme issues, defined at the Ghent meeting + presentation of potential research to be published in each of the issues ("Global Experts", "Tropical Architecture" & "Exilic Modernities") + invited speaker (Lisa Godson)

Ghent, 04.11 – 05.11.2013: Presentation of research related to the first theme issue to be produced by WG1 on "global experts (off radar)" + invited speakers (Miles Glendinnig, Martin Kohlrausch, Pieter Uyttenhove)

STSM

Several WG1 members have benefitted from the possibility of doing an STSM. While in a first stage of the action this instrument was mainly used by junior researchers as a way of enhancing one's individual trajectory by being able to work in a new research environment and culture, or of doing research in specialized libraries and archives, in a later stage of the action the STSMs have primarily been used to enhance collaborative research: to prepare a joint article, session proposals for international conferences and even of joint research proposals. As such, the STSMs have proven a very fruitful tool to strengthen the bonds within WG1 and creating collaborations that will be long lasting.

INTERACTION WITH OTHER WGs OF THE ACTION

WG1 members have been participating in meetings of other groups and were especially involved in the some of the discussions around the building up of a digital database on colonial architecture which took place within WG4. Also WG1 members have been participating actively in the training schools that were organized in the context of the Action.

However, it should be said that interaction between the WGs could have been more intense than it has been. Given the many overlaps of interest between the themes of the various WGs, more cross-overs would have advanced the work of WG1 and that of the action as a whole.

OUTPUT OF COLLABORATIVE RESEARCH

Participation in International Conferences

Over the course of the Action, the members of WG1 have been actively participating in international conferences such as the Annual Meetings of the SAH (Society of Architectural Historians) or the bi-annual international conferences of the EAHN (European Architectural History Network). Its members have also participated in other disciplinary venues, such as the international conferences of the EAUH (European Association of Urban Historians), of the IPHS (International Planning History Society), and of the African Studies Association (ASA), as well as the European Social Science History Conference (ESCHC).

Apart from individual paper presentations, the COST-Action has also lead to the proposal of sessions jointly chaired by WG1 members, or of session proposals constructed around the research of several WG1 members. This has given the WG1, as well as the action as a whole, an important visibility within the international research community, something which was further enhanced by a specific presentation of the COST-Action at the EAHN-conference of 2010 in Brussels.

Publications

Members of WG1 have been actively publishing their research as articles and books. Especially junior researchers in the group have benefitted from the discussions within WG1, allowing them to already get publications accepted in leading, peer-reviewed journals such as the *Journal of Architecture* or *Planning Perspectives*. As for joint publications, some of these are currently in preparation, in the form of theme issues of journals or edited volumes in which several members participate.

In the last two years, WG1 has mainly focused on helping establishing the online ABE-Journal, which it sees as its main tool for publishing the results of the discussions that took place within the group. Three particular theme issues have been proposed:

> **Theme issue** 1: "Off the radar. Global experts 1950s-1970s" (to appear March 2014), ed. Johan Lagae – to be published spring 2014

> **Theme issue 2** – "Space, Time and Tropical Architecture in transnational perspective", ed. Iain Jackson, Ola Uduku & Rachel Lee

> **Theme issue 3** – "Writing Exilic 'European' Modernities - Transmigratory Networks and the Globalization of Modern Architecture after 1933" Ed. Regina Göckede & Rachel Lee

(JOINT) RESEARCH APPLICATIONS

The research of the individual members has benefitted strongly from the network within WG1 and this has helped individual members in obtaining individual research grants. In a later stage of the action, some effort has been made to develop Joint Research Applications, some of which were unfortunately unsuccessful while others are still pending. Moreover, there will be a meeting shortly in Berlin with members of WG1 to help develop a large grant application focused on a core issue of the working group's discussion, namely the relationship between architecture and development aid, as one WG1 member have received some funding to prepare such an application. Some WG1 members are also involved in the preparation of an application within the JPI Cultural Heritage and Global Change framework.

CONCLUSION

For the members of WG1, the COST-Action IS0904 has been extremely helpful. It has allowed scholars to come into contact with research they previously ignored, yet in many ways is related to their own work; it has enabled to establish a strong and dynamic community large part of which will continue to work closely together in the future; and it has given junior scholars the opportunity to gain expertise and make international contacts in a very efficient and productive way.

In terms of output, it was hoped that more specific results would already be produced. However, the investment in establishing the online ABE-journal, to which several WG1 members have actively contributed, forms a guarantee that the fruitful discussions within WG1 will find a broad, international audience in the future.

Cost Action
European architecture beyond Europe

FINAL WG3 report
Documenting transnational architecture

Reminder of the objectives of WG 3

This research track focuses on the mapping of the built environment itself as a key to document and study the emergence and trajectories of European architecture outside of Europe and the transnational issues at stake.

[…] The focus here is on assembling data that does not privilege prominent and well-published individual designs or buildings, but rather seeks to shed light on more large-scale significant entities or ensembles. Architectural histories are generally built either on periodical literature or on field surveys; this research track posits that both sources represent complementary data that need to be studied in conjunction rather than in isolation, and to be cross-checked and further confronted with local archive material.

Experimental attempts at carrying out such crossings and analyzing their empirical and theoretical results will be implemented for selected significant cases. The cases to be studied further, based on current research carried out by active participants to the Action, will be chosen according to a typology of commissioning circumstances (by public authorities, corporate agencies, private developers, etc.) and political contexts (direct and indirect colonial rule, non-colonial settings). Besides empirical findings, methodological benefits are expected from research carried out in parallel with the Action, through the means available at national level, by each researcher or team involved in the Action. In particular, approaches like associating researchers from non-Western countries with the research, and identifying and using unpublished material kept outside of Europe (such as building permits, land registration archives, records of client institutions, etc.) will be discussed and tested within this research track.

Organisation

The WG3 met 6 times: Marseille (09-14-2010); Vienna (01-31/02-01-2011); Berlin (11-17/18-2011); Thessaloniki (03-15/16-2013); Trieste (12-11-2013); Lyon (01-29-2014). The core of the group was composed of 5 researchers working on the Mediterranean, who attended each meeting.

According to the theme of the meeting, the composition of the participants changed.

Overview table:

Name	Country	Gender	Early stage researcher	Marseille	Vienna	Berlin	Thessaloniki **Editing Meeting**	Trieste	Lyon **Halimede Meeting**
Assia Bouadjadja Samai	DZ	F	o		x	x		x	x
Ralph Bodenstein	DE	M	o	x	x	x	x		x
Sofie Boonen	BE	F	o		x	x			
Vittoria Capresi	AT	F	o	x	x				

Vassilis Colonas	GR	M		x	x	x	x	x	x
Adham Fahmy	BE	M	o					x	
Vilma Fasoli	IT	F		x	x	x	x	x	x
Robert Home	GB	M				x		x	
Lucia Juarez	GB	F	o				x		
Claudine Piaton	FR	F		x	x	x	x	x	x
Boussad Aiche	DZ	M	o					x	
Juliette Hueber	FR	F				x			
Peter Bjerrum	DK	M	x						
Caitlin Madden	DK	F	o	x					

Activities

Beyond the regular meetings, several STSM fostered collaboration between members of the group.

STSM		Date	from	to
Sugar factories in late-19th century Egypt: Tracing the involvement of French engineering firms	Ralph Bodenstein	November 2012	EG (DE)	FR
Lubumbashi. Towards a social geography of a colonial city	Sofie Boonen	January 2012	BE	FR
Architects and Engineers of the Greek Diaspora, their studies in Paris from 1880s to 1960s.	Vassilis Colonas	November 2013	GR	FR
- Architects and Italian contractors and the diffusion of the Hennebique system in the North Africa - The presence of Italian contractors in international building sites in the Mediterranean area	Vilma Fasoli	June 2012 & March 2014	IT	FR
Revealing Scottish cast-iron in Argentina	Lucia Juarez	March 2014	UK	AR
- Mapping real estate developments and documenting ordinary architecture in Algiers (1830-1940) - Documenting ordinary architecture and architects in Algiers (1830-1940)	Claudine Piaton	June 2012, April & October 2013	FR	DZ

Output of the WG

From the beginning of the Action, the group tried to define possible areas of collaborative work. Building upon research conducted by the WG members, several research tracks for collaborative work have emerged.

- The first track was connected to the European collaborative project "Arching" (completed in June 2012) in which three members of the WG were involved (Vilma Fasoli, Claudine Piaton and Assia Bouadjadja Samai), in addition to members of the WG2: Ezio Godili, Boussad Aiche and Tom Avermaete. This European project (Culture 2007-2013) involving three partner countries (Belgium, Italy and France), shed light on new data provided by the archives produced from the 19th to the mid-20th century by construction and public-works companies that were active in the southern and eastern Mediterranean.

Following this initiative and in order to extend the research to other areas (Asia, South America) and other political contexts (e.g. informal empires), the coordinators of WG3, Ralph Bodenstein and Claudine Piaton, proposed to publish an issue of the *ABE* journal on "*Engineering abroad*", gathering contributions of WG members and other researchers working on that subject. The issue will be put on-line in June 2014.

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- The second track is concerned with setting up an online platform for data sharing. During the first meetings of the WG (Vienna & Berlin), discussions focused in particular on developing unified rules and systems of object description. Even though the platform "Halimède" finally achieved by the InVisu team implemented only some of the major features originally proposed by the WG, those members who were working on Mediterranean architecture were invited to join the platform during the "Beta Test" period. Some comments were made by the Beta testers in order to improve the possibilities for historical source-referencing of files and data uploaded on the platform. A new version of Halimède should be available in June 2014. At that time, the platform will be usable by all researchers working on architecture in the Mediterranean.

Diffusion

Three members of the group: Ralph Bodenstein, Vilma Fasoli, and Claudine Piaton (in addition to a fourth scholar, Christel Frapier) participated in the *Deuxième congrès francophone d'histoire de la construction* held in Lyon on the 29th-31th January 2014. Their contributions were closely linked to the *ABE* issue on *Engineering abroad* and successfully served to publicly present and discuss the research of the WG3 members.

Further collaborations

Following research conducted on Algiers, InVisu in collaboration with 2 other members of the COST Action, Antonio Bravo Nieto (SP) and Ezio Godoli (IT), answered a call (March 2014) of the Culture sub-programme of Creative Europe. The project untitled "ELCONUM" aims to to develop a new model of collaborative production and dissemination of thematic digital resources. The scope of the study is the archive material on Algerian architecture kept in France, Italy and Spain. If successful, it will be conducted in close collaboration with our Algerian partner who unfortunately could not act as a full partner according to the call rules.

Another project, led by InVisu (Cl. Piaton) and the DAI (R. Bodenstein), on *Metal construction in Egypt* is under submission to the Franco-German research program for Humanities and Social Sciences of DFG and ANR.

Action IS0904
WG4
Conceptualizing an infrastructure for collaborative research
Final report

Working group 4 worked transversal and interdisciplinary. It offered support to the researchers of the Action involved in the three above-mentioned tracks and pursued the following activities:
- Implementing digital means to ensure a continuous and interactive communication among participants in the Action throughout its duration.
- Setting up a collaborative website with two distinct areas. The first area is devoted to the Action (general presentation, calls for papers, partners, and events…). The second area is scheduled to aggregate the content published through social networking, for example blog, of eache member of the Action.
- Discussing methods to collect and to ensure the substainability and interoperability of online publishing. The aim was to set up an open source infrastructure by making use of the wealth of information already available in digital format. WG4 explored the option of moving towards the collaborative building of a specialized digital infrastructure that would allow to cross-search little structured data and to establish a repository with restricted access for researchers of the Action to store and share primary information and semi-structured free-copyrighted material. The infrastructure is installed on the servers of the proposal coordinator's institution
- Evaluating the level of use of IT and assist in conceiving appropriate training while taking into account feedback from participants in the Action.

More generally, the main goal of the WG4 was to encourage the sharing of common culture between the researchers of the Action about digital humanities. This aim has been largely achieved. Today, the researchers of the Action are very conscious of the fact that good practice is essential in a framework of an European research network, in particular as regards substainability and interoperability.

However, human resources have been lacking and if they had been there, we would have been able to do more in order to carry out in-depth research and to put projects into practice. Despite all that, the outlook remains positive:
- Practical guides of good practice can be written again;
- Experiments can be conducted in the field of network analysis, GIS, and visualisation of data;
- Halimède, a platform for data sharing developed by InVisu research laboratory (CNRS-INHA, FR), is a tool very useful and highyield in a digital context; it will be presented during the final conference of the Action in Palerme (13-16 April, 2014).
- Mendeley and Zotero are now well known by the researchers of the Action and will be used in the future to allow exchange of bibliographical data, as it was done in the case of the research about Algiers's architecture and urbanism.

Members

Coordinator: Thierry Lochard (FR)
Co-coordinator: Pauline K.M. van Roosmalen (NL)
Members: Juliette Hueber (FR), Antonio Mendes da Silva (FR), René Pelfresne (FR), Dov Winer (IL), Paul Suijker (NL)

During the last year of the COST Action (2013-14), Antonio Mendes da Silva, René Pelfresne (FR; InVisu) and Dov Winer (IS) did no longer participate in WG4 while the new substitute member of the MC Netherlands, Paul Suijker (TU Delft) joined the working group.

WG4 Meetings

- Marseille, September 14th 2010: presentation of the members of the group, discussion on interoperability, sustainability and linked open data.

- Paris, February 4th 2011: the participants presented an ensemble of research tools, assess surveys toward researchers, and tried to define the positioning of WG4 compared to other working groups. Between those meetings, in order to evaluate the needs of the Working Groups, Juliette Hueber, Antonio Mendes da Silva and Thierry Lochard interviewed Johan Lagae and Claudine Piaton, for the Working Groups 1 and 3; and a short discussion with Tom Avermaete gave some ideas about the needs of the Working Group 2.

- Paris, November 28th-29th 2011: discussion on the training school and on the Mendeley experiment started with WG2. It was decided to ask all the participants of the Action to create an account on Mendeley and to share their bibliographical data with the other.

- Paris, November 16th 2012: discussion on the organisation of the training school scheduled in Ghent, April 2-6th 2013.

- Paris, February 7th 2013: discussion on the organisation of the training school scheduled in Paris, January 27-28th 2014.

Participation to the other three WG's meetings

- Delft WG2, January 17-18th 2011 (Juliette Hueber, Thierry Lochard, Pauline K.M. van Roosmalen): in order to fullfill the needs of this WG, it was decided to try an experiment with Mendeley a data bibliographical tool useful to manage and share bibliography and documents (with metadata).
- Ghent WG1, January 31st – February 1st 2011 (Juliette Hueber, Antonio Mendes da Silva) : discussion with the other participant on databases gathering biographical informations on architects. One of the main problems is the lake of interoperability of the databases
- Berlin WG3, November 17th-18th 2011 (Juliette Hueber): presentation of Halimede, an online platform for data sharing (jpeg and pdf) developped by InVisu (Paris, France). This meeting was also an occasion to present an experiment of data sharing through Flickr and to exchange on the metadata needed in the field of history of architecture.
- Florence WG2 (Antonio Mendes da Silva): presentation of the toll Mendeley.
- Liverpool WG1, October 10th-11th 2011 (Thierry Lochard, Pauline K.M. van Roosmalen): discussion with members of the working group.

Participation to the workshops of the Action

- Marseille, September 13th 2010: Antonio Mendes da Silva gave a presentation of the data bibliographical management tool Zotero. Juliette Hueber gave a presentation of the Action website: www.architecturebeyond.eu.

- Edinburgh, February 9th 2012: following the experiment Mendeley, Juliette Hueber was invited to give a presentation of the data bibliographical management tool.

Events organized by WG4

Following one of the initial objectives defined in the MoU, WG4 organized training session and workshops based on the needs of the historians of architecture (participants of the Action and partners).

Training school in Ghent, April 2-6th 2013
"Architectural History Research in the digital era"
(http://www.architecturebeyond.eu/training-school-preliminary-program/).
Trainees: 20 Phd students, professors and researchers from 10 countries
Trainers: 13 professors, librarians, digital research specialist, and developpers from 5 countries and one member of the Cost Action IS1005;
During the Training School, which is aptly titled 'Architectural Research in the Digital Era', internationally renowned experts introduced and familiarised participants with a variety of aspects related to conducting research in a digital era : Architectural history research in the digital era ; Copyrights ; Standards, metadata, interoperability and sustainability ; Data visualisation ; Creating a digital research environment.

Workshop in Delft, June 26 2013, in collaboration with Delft University of Technology)
"Presenting and comparing existing dedicated digital infrastructures" (programme attached).
WG4 in collaboration with Delft University of Technology organised an international workshop 'Presenting and comparing existing dedicated digital infrastructures' on June 26, 2013. The workshop was held at TU Delft Central Library.
The aim of the meeting was to present, compare and discuss existing dedicated digital infrastructures and thus learn and share experiences and insights. To this end representatives and specialists from Belgium, France, Italy and Portugal were invited to present their projects. IT and other relevant specialists and critics from the Netherlands were invited to participate in the discussion.
The following topics were presented and discussed:
Paul Suijker, University of Technology, Delft (the Netherlands): Creating a digital repository for sources about European colonial architecture and town planning)
João Santos Vieira, Instituto da Habitaçao e da Reabilitação Urbana, Departemento de Informação, Biblioteca e Arquivo, Lisbon: SIPA: Sistema de Informação para o Património Arquitectónico
Silvia Mazzini, Regesta, Rome: xDAMS
Rink W. Kruk, Nationaal Geografisch Instituut, Brussels: Cartesius
14 Dutch professionals attended workshop.
The following conclusions agreed upon:
It is important to identify and collaborate with projects in Europe that are relevant in terms of content and/or IT.
Although funding is an issue, this should not stop organisations and individuals to discuss and generate potential projects.
The following recommendations were made:
As EUROPEANA INSIDE harvests different data types and functions are a mediator and aggregator for various content providers it might be interesting to discuss the TUDelft repository in this context.

Organise the community interested from a content and/or IT perspective via Google Group (preferred option), LinkedIn or Sharepoint.

<u>Workshop in Algiers, October 28^{tt} 2013</u>
Trainees: 6 Phd students and professors from the University of Tizi Ouzou.
Juliette Hueber and Antonio Mendes da Silva organized an initation to the digital humanities through the use of Zotero, a bibliographical data tool, and the use of image metadata tools (using Xnview and Geosetter).

<u>Workshop in Paris, January 27-28th 2014</u>
"Gis, data visualisation and open community"
(http://www.architecturebeyond.eu/workshop-gis-data-visualisation-and-open-community-paris-27-28-january-2014/).
Trainees: 18 Phd students, professors and researchers from 5 countries
Trainers: 9 professors, researchers, digital specialists, and community managers from 4 countries
This workshop was an opportunity to present different projects in the field of history, geography and history of architecture using a geographical information system. It also allows to developp the presentation of data visualisation tools and the results of their use (those tools were formerly presented during the training school organized in Ghent in April 2013).
A presentation of the organisation and the management of open communites concluded the worshop.

<u>Workshop in Delft, February 28, 2014</u>, in collaboration with Delft University of Technology
"Linked (open) data: Conceptualizing an infrastructure for collaborative" (programme attached).
Building on the June 2013 Meeting, the 2014 Meeting aimed to discuss the principles of Linked Open Data and the possibilities for future collaboration among various European cultural collections. The TU Delft repository that is being created by TU Delft was used as an example in case.
The following topics were presented and discussed:
Pauline K.M. van Roosmalen, University of Technology, Delft (the Netherlands): TU Delft: Mission and Background of the TU Delft repository on European Colonial Architecture and Planning;
Paul Suijker, University of Technology, Delft (the Netherlands): The TU Delft Repository: Infrastructure Ins and Outs;
Erin Tripp, Discovery Garden, Charlottetown (Canada): Linking Data with Islandora
Silvia Mazzini, Regesta, Rome (Italy): xDAMS Linked (open) data;
Reinier van 't Zelfde / Reem Weda, Rijksdienst voor Kunsthistorische Documentartie, The Hague (the Netherlands): The Getty AAT: Its Usage as Standard Terminology Thesaurus;
Patrick Hochstenbach, University Gent Library, Gent (Belgium): Processing Linked Data with Catmandu;
Jan Hidders, University of Technology, Delft (the Netherlands): The Role of Data Publishing for Scientific Research.
20 International professionals attended the workshop, including the coordinator of COST Action 1302 (Francesco Guerra).
During the Discussion & Wrap-up the following issues were raised:
Online website and other digital infrastructures related to European built heritage outside Europe have proven to be a topic that both a general audience and academia is interested in;

Bringing together various initiatives in the field of Digital Humanities related to European architecture outside Europe seems a constructive way to go from both a scholarly and strategic point of view;

Collaborative projects to generate and further content for the TUDelft repository about European colonial architecture and town planning are necessary: the suggestion to put together a task force to work on a solid multilingual thesaurus was widely supported;

People are key: an interdisciplinary approach to address issues, find solutions and even generate content, might further development of the TU Delft repository;

As the user perspective is key, users needs to be involved in and committed to the development of repository in general, and the TU Delft repository in particular;

How Linked Open Data can be used and optimised to generate content for the TU Delft repository needs to be looked into;

When appropriate, COST Action 1302 will invite participants of Action 0904 to participate in events/meeting.

Website

Juliette Hueber and Antonio Mendes are responsible for the daily operation and updating of the website of the Action (www.architecturebeyond.eu/). The website currently about features 70 screens, under 4 main headings. It also gives access to more than 70 texts under pdf format.

During 2011, the website numbered some 7000 unique visitors, and registered 10330 visitor sessions, for a total of 45.000 hits (or page views).

For 2012, the figures are: 11196 unique visitors, 17165 visitor sessions, and 282760 page views.

For 2013, the figures are: 34372 unique visitors, 50703 visitor sessions, and 629419 page views.

Digital journal ABE

WG4 provided technical support to the development and creation of the digital journal *ABE* (Architecture beyond Europe).

Handbook *(preliminary draft)*

A handbook with papers related to the training school organized in Ghent in April 2013 and the workshop organized in Paris in January 2014 will be published online (on the Inha collection of revues.org) in April 2014:

- Lisa Spiro: *Access, Explore, Converse: The Impact (and Potential Impact) of the Digital Humanities on Scholarship*
- Kenneth Crews: *Museum Policies and Art Images: Conflicting Objectives and Copyright Overreaching*
- Anne-Laure Stérin: *European roadmap on open data policy*
- Paul Girard and Christophe Leclercq: *The Experiments in Art and Technology Datascape*
- Eric Grosso: *Use of GIS in historical studies: from theory to practice.*
- Julien Dorra: *Building an open community around your project.*