

## CV – 2018

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### Synthesis of Profile

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Elena Bougleux's research focuses on the Anthropology of Science, on the Theory of Complexity in Social Sciences, and on the Epistemological implications of processes of Knowledge Construction in a multicultural, comparative, and qualitative perspective. She has carried out extended fieldworks and Lab ethnographies in scientific and industrial research institutions in Berlin, in Bangalore, in Southern India and Northern Italy. She is strongly committed in the development of a multidisciplinary approach to education and uses a variety of methodological tools combined together to explore innovative and communicative languages to convey the complexity of contemporary, including visual and staged installations. She involved in the development of the Anthropocene Curriculum Project since 2013. Her fields of applied research are Anthropology of Science, Environmental Anthropology, Urban Anthropology, Sustainability and Climate Change Studies.

### Education

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- 1995: Degree in Theoretical Physics, University of Florence.  
Supervisors Prof. F. Pacini, Prof. D. Galli
- 1995: Fellowship in *Relativity Studies* from the Ecole de Physique des Houches (F).
- 1997-98: Fellowship in *General Relativity* from the Max Planck Institute for Gravitational Physics Potsdam (D).
- 1999: P.h.D in Theoretical Physics - General Relativity, University of Florence and MPI for Gravitational Physics, Albert Einstein Institute Potsdam (D).  
*Dissertation Title: Analytical Formulations and Numerical Methods in General Relativity.*  
Supervisors Prof. Edward Seidel, Prof. Claudio Chiuderi, Prof. Valeria Ferrari.
- 2000: Theater Directing Degree, European Theatre Network for Drama and Stage *Cultures*.
- 2001: MA in *Cultural Mediation and Gender Studies*, First School in Multicultural Mediation. University of Florence, the Italian Society of Literatures (SIL), UC St. Cruz. Fellowship from the University of Florence.
- 2002: MA in *Cultural Mediation and Gender Studies*, Second School in Multicultural Mediation. University of Florence, the Italian Society of Literatures (SIL), UC St. Cruz. Fellowship from the University of Florence.

## Main Academic Positions

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- 2003-2006: Research Assistant (Ricercatore a TD) at CE.R.CO, (Research Center on Anthropology and epistemology of Complexity, University of Bergamo). Research project focused on the relevance of ethnographic research and multidisciplinary approach to investigate the processes of construction of scientific knowledge in academic laboratories. Research Title: *Developing an Anthropology of Science. Complex paradigms and cultural transformations in a global context.*
- 2004-2005: Research Fellow (Post-doc) at the Max Planck Institute for the History of Science Berlin (MPIWG). Scientific Coordination of the 3rd Section of the Exhibition *Einstein Ingenieur des Universums: Einsteins Welt Heute*, staging the interconnections between theory and application of Special and General Relativity, highlighting the applicative dimensions of Einstein's theory. The Exhibition is realized by the MPIWG, the Albert Einstein Archives at the Hebrew University of Jerusalem and the German Ministry of Education (BMBF), Berlin 2005.
- 2006-2007: Research Fellow (Assegno di Ricerca) at the Department of Human Sciences, University of Bergamo. Research Project focused on the relevance of different cultural backgrounds in shaping the forms of universal knowledge, pointing out the necessity and contributions of dialogue between local and indigenous sciences. Secondary focus was the enhancement of a sustainable worldview on the contemporary. Project Title: *Scientific global cultures compared. A compared analysis between physical and biotechnological sciences in Western and Indian approaches.*
- 2007- : Permanent position as Research Scholar, Faculty of Education, University of Bergamo.
- 2007- : Professor of Cultural Anthropology, Department of Social and Human Sciences, University of Bergamo
- 2013-2014: Invited Fellow @Haus der Kulturen der Welt Berlin, in the framework of the *Anthropocene Curriculum Project*. Development and Concept of the *Anthropocene Curriculum*. Research Topic: *Anthropogenic Landscapes*, focusing of the strategies of adaptation and resilience developed by communities in metropolitan areas to face the impact of environmental transformations caused by climate change. The selected case study deals with the dismissal of the strongly industrialized former East-Berlin district of Lichtenberg.
- 2013-2014: Visiting Scholar @Max Planck Institute for the History of Science Berlin, as a member of the Globalization of Knowledge Research Group. Project title: *Strategies and Patterns of Knowledge Transfer and Knowledge Flow Patterns in Corporate Environments*. Focus of the research is the ethnographic and historical analysis of the strategies of appropriation and re-signification enacted by local professional in science and technology in the corporate working context.
- 2014-2016 : Invited Fellow @Haus der Kulturen in the framework of the *Anthropocene Curriculum Project*. Development and Concept of the *Second Anthropocene Curriculum*. Research Seminar Topic: *Romancing the Anthropocene. Urban Diffractions of the Technosphere*. The selected case study analyses urban transformations and the Westhafen area, Berlin.

## **Main Research Activity and Financed Projects**

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- 2003-2005: Member of Scientific Committee of the 3rd, 4th and 5th Schools on *Cultural Mediation and Gender Studies*, University of Florence and Italian Society of Literatures. The projects focused on trajectories of women in migrations, investigating the relation between cultures, time perception, gender and language in a feminist and post-structural perspective.  
Project Titles: *Gender and multicultural processes*, 2003. *Gender, complexity and cultures*, 2004. *Gender, flexibility and multicultural processes*, 2005
- 2006-2009: Principal Investigator for the Research network *Globalization of knowledge and its consequences*, coordinated by Max Planck Institute for the History of Science-Berlin. The research focused on the role played by scientific educational institutions started colonial India by the British colonial empire.
- 2007- 2009: Research financed by Department of Human Sciences, University of Bergamo. Research Title: *Comparing global scientific cultures: Investigating scenarios in Physics and Biology development between European and Indian contexts in the corporate environment*. Fieldwork financed by the Corporation @ JFW Technology Centre, Bangalore.
- 2009-2011: Research financed by Department of Human Sciences, University of Bergamo. Research Title: *Advanced scientific and technological education in the global context. The role played by multinational corporations in emerging countries: the case of high-tech development in India*. Fieldwork activity in India and in Europe financed by EG-LC/09 budget.
- 2010-2011: Invited Member of European Research Network I-GAP: *Interferometric Investigations of Physical Knowledge and Gender in the Making*, Uppsala University. Project Title: *Gendered Ways of Knowing? Gender, Natural Sciences and Humanities*. Research Networks and Trajectories of Women Scientists in 2002-2008. Research finance by ERC-Advanced Grant Program.
- 2014-2015: Grant Fellowship for the Exchange of PhD Students (4 grants) between University of Bergamo and LM Universität München. Research Title: “Im/mobilities and boundaries: an ethnographical approach”. PhD Student Exchange financed by DAAD (the German Academy Exchange Service).
- 2013-2014 Research financed by Department of Human and Social Sciences, UniBg, and the Max Planck Institute for the History of Science- Berlin.  
Research Title: *The Anthropocene Project*. Development of a post-doctoral academic curriculum on “Globalization of knowledge in Western and Indigenous perspectives in the framework of environmental crisis -Towards sustainable knowledge”.
- 2017- : Member of the Scientific Team of Ecultours – an Erasmus+, Action K2 MA Joint Program in *Management of Cultural Heritage and Tourism Systems*. The European Network with D, S, P. is co-financed by the Erasmus+ K2 Program.

## **Main teaching activity**

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Professor of Cultural Anthropology	from 2007 to-date
Professor of Methodology of Anthropological Research	from 2007 to-date
Professor of Anthropology of Science	from 2004 to 2014 (PhD Program)
Professor of History of Physics	from 2014 to 2018 (University of Florence)
Professor of Anthropology and Tourism	from 2015 to 2018
Professor of Anthropology of Asian Areas	from 2017 to-date
Professor of Complex Societies and Tourism Governance	from 2018 to-date

- **2007-2008, @University of Bergamo, Faculty of Education**
  - Cultural Anthropology, Degree level (I, II)
  - Anthropology of the contemporary (co-taught), PhD Program in Anthropology and Epistemology of Complexity (CE.R.CO.).
- **2008-2008, @University of Bergamo, Faculty of Education**
  - Cultural Anthropology, Degree level, three terms, Faculty of Education.
  - Workshop in Urban Anthropology, Degree level (I, II, III)
  - Anthropology of the contemporary (co-taught), PhD Program in Anthropology and Epistemology of Complexity (CE.R.CO.).
- **2009-2010, @University of Bergamo**
  - Cultural Anthropology, Degree level, three terms, Faculty of Education.
  - Workshop in Anthropology of Migrations, Degree level.
  - Anthropology of Science; Anthropology of Borders (co-taught), PhD Program in Anthropology and Epistemology of Complexity (CE.R.CO.).
- **2010-2011, @University of Bergamo, Faculty of Education**
  - Introduction to Anthropology of the contemporary. Faculty of Education
  - Anthropology of Science. Anthropology of the corporations. PhD Program in Anthropology and Epistemology of Complexity (CE.R.CO.).
- **2011-2012, @University of Bergamo, Faculty of Education**
  - Cultural Anthropology, Degree level, two terms.
  - Workshop in Anthropology of Space and City, Degree level.
  - Introduction to Anthropology of the contemporary; Anthropology of Science; Anthropology of the corporations, PhD Program CE.R.CO.
  - Workshop “Contemporary perspectives in Cultural Anthropology”. PhD Program CE.R.CO.
- **2012-2013, @University of Bergamo, Department of Human and Social Science**
  - Institutions of Cultural Anthropology; Methodology of Qualitative Research; Cultural Anthropology (three terms).
  - Ethnographic Workshop in “Anthropology of Medicine and Migrations”.
- **2013-2014, @University of Bergamo, Department of Human and Social Science**
  - Institutions of Cultural Anthropology; Methodology of Qualitative Research; Cultural Anthropology (three terms).
  - Ethnographic Workshop in “Anthropology of Education and Second Generations”.

- **2014-** : Contract Professorship of History of Physics; University of Florence.
- **2014-2015**  
 @University of Bergamo, Department of Human and Social Sciences
  - I. Institutions of Cultural Anthropology;
  - II. Methodology of Qualitative Research;
  - III. Cultural Anthropology.  
 @University of Florence, Department of Physics  
 History of Physics (co-taught).
- **2015-2016**  
 @University of Bergamo, Department of Human and Social Sciences:
  - I. Institutions of Cultural Anthropology;
  - II. Cultural Anthropology.  
 @University of Bergamo, Department of Foreign Languages
  - Local Communities and Eco Museums (ENG)  
 @University of Florence, Department of Physics
  - History of Physics and Chemistry (co-taught).
- **2016-2017**  
 @University of Bergamo, Department of Human and Social Sciences:
  - I. Institutions of Cultural Anthropology;
  - II. Methodology of Social Research.  
 @University of Bergamo, Department of Foreign Languages:
  - I. Anthropology and Tourism (ENG)
  - II. Anthropology of Asian Areas  
 @University of Florence, Department of Physics
  - History of Physics and Chemistry (co-taught).
- **2017-2018**  
 @University of Bergamo, Department of Human and Social Sciences
  - I. Institutions of Cultural Anthropology;
  - II. Methodology of Social Research.  
 @ University of Bergamo. Department of Foreign Languages:
  - I. Anthropology of Complex Societies (ENG)
  - II. Anthropology of Asian Areas  
 @University of Florence, Department of Physics
  - History of Physics and Chemistry (co-taught).
- **2018-2019**  
 @University of Bergamo, Department of Human and Social Sciences
  - I. Institutions of Cultural Anthropology;
  - II. Methodology of Social Research.  
 @ University of Bergamo. Department of Foreign Languages:
  - I. Anthropology of Complex Societies (ENG)

## PhD Programs and Evaluation's Committees

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- 2013-2016** Member of the Scientific Committee, PhD Program in 'Epistemology of Complexity and Anthropology of the Contemporary', University of Bergamo.
- 2017-** Member of the Scientific Committee, PhD Program in 'Transcultural Studies in Humanities', University of Bergamo.
- 2017** Member of the Evaluating Committee, PhD Program in 'Cultural and Social Anthropology', University of Milan-Bicocca, Université Paris XIII (Joint Program).
- 2018** Member of the Evaluating Committee, PhD Program in 'Cultural and Social Anthropology', University of Milan-Bicocca, cy. XXIX.
- 2018** Member of the Evaluating Committee, PhD Program in 'Transcultural Studies in the Humanities', University of Bergamo, cy. XXX.

## Detailed Research Profile Outline

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Elena Bougleux is Assistant Professor (*Professore Aggregato*) of Cultural Anthropology at the University of Bergamo, and she coordinates the Anthropology and History of Science' Section for the PhD Program in 'Transcultural Studies in Humanities'. She is member of the Anthropocene Curriculum Project coordinated by the Max Planck Institute for the History of Science and Haus der Kulturen del Welt, Berlin.

Her research interests have focused on the practical mechanisms and on the epistemological processes that convey to the construction of scientific knowledge, framed with its anthropological, historical, and philosophical dimensions. The epistemological implications of the strategies of knowledge construction are placed in a constructivist and multicultural perspective, requiring both archival and ethnographic tools of investigations. Her work had focussed on the role of science, scientific knowledge, scientific language and discourses, as key factors that shape and frame current society's capability of resilience, development, and problem solving.

In the framework of **Science and Technology Studies (STS)**, she had investigated:

- The role of scientific metaphor in the construction of identity, singularity and discourse, and the role of different epistemic conceptions of time in the history of Western cultures. This research context was developed in collaboration with Prof. L. Borghi, Department of Modern Philology, University of Florence (2001-2005).
- The development of an expert and scientifically well-informed kind of language, capable of expanding outside specific disciplinary borders, and aiming at establishing methodological and structural connections between differences disciplines and cultural fields. Such visual, material and multifocal language is developed as a tool for the analysis of the topology of (human) spaces, of the relations between the center and the margins, of the relationship between communication and translation. On these issues she

joined the team of Prof. L. Piasere, Department of Social Studies, University of Florence (2002-2003).

- The relevance of Einstein's life path and career as a cultural background for the development of the Theory of General Relativity, in the context of the transformations of the scientific paradigm that invested Western sciences in the Twentieth Century. She received a scholarship from the MPI for the History of Science Berlin (Coordinator Prof. J. Renn, 2004-2005) to coordinate the research, the preparatory studies, the design and implementation of 3<sup>rd</sup> Section III of the Exhibition "Einstein Ingenieur des Universums" (Berlin, 2005).

In the framework of the **Cultural Studies on Science**, she developed the following research:

- She joined the European Research Network "Globalization of Knowledge and its consequences," coordinated by the Max Planck Institute for the History of Science Berlin, involving the PhD Program in Anthropology and Epistemology of Complexity (CE.R.CO). The network highlights the emergence of episodes of re-signification and reterritorialization of scientific knowledge, by analyzing in a comparative perspective different contexts of scientific production, in different socio-geographic and cultural environments. The research aimed at assessing how methodologies and dynamics of the research groups affect individual contributions, and how collective knowledge possibly reflects in a productive sense the persistence of culturally heterogeneous elements (Berlin, Bergamo 2009-2011).
- She has conducted extensive fieldwork in Karnataka (India) to investigate the processes and practices of expansion of multinational corporations in economically emerging contexts. Her research has focused on the processes and practices of applied industrial research performed by the R&D departments of multinational corporations. Her present ethnographic field is located in the Indian Research Centre of a US-based corporation and concentrates on the strategies of resistance and appropriations enacted by local actors, in order to modify or accomplish the corporate policies of expansion in emerging contexts (Bangalore, Bergamo 2009-2012)
- In 2013 (to-date) she joined the Anthropocene Research Group (Haus der Kulturen der Welt, MPI History of Science Berlin), an international multidisciplinary team in charge of developing an experimental multidisciplinary curriculum on the issues of Sustainability, Knowledge Production, Local and Global Perception of Climate Change, green energy and green technology. The first Anthropocene Campus (HKW, November 2014) was aimed at structuring an innovative and multidisciplinary academic curriculum on Complexity in the Anthropogenic. She has developed the work package *Anthropogenic Landscape* (in cooperation with E. Ellis, A. Brandlhueber, N. Jeremienko).
- In the context of the second Anthropocene Campus (Berlin, 2016) focussed on the issue of *Technosphere* she has investigated the relevance of the water management topic in the specific case of the metropolitan area of Berlin, analysing the canals and navigation systems from the Brandenburg Region to Berlin - Westhafen harbour area. The superposition of technological, social and economic layers of meaning and if the urban landscape have been developed in the work package *Romancing the Anthropocene: Urban Diffractions of the Technosphere* (in cooperation with , H. Lohner, M. Milicevic, A. Toland).

In the framework of **Sustainability and Climate Change Studies** she developed the following research projects:

- Climate Change issues and Water Scarcity Crisis in Southern India have been investigated in a wide problematic framework, comprising the Bangalore urban/sprawl development and the agricultural economy based on traditional techniques in the State of Tamil Nadu. The unstable regime of the Cauvery River have been studied through ethnographic and quantitative analysis, placing the issue of *Water scarcity in Global Sustainability* debate. Research founded by SIEA-ASIA *Sust.-Network* (2015-2017).
- In the context of the Erasmus+, Key Action 2, Member of the E-cul-tours Joint MA Program in Management of Cultural Heritage and Tourism Systems – European Network (I, D, S, P). Specific focus of the Italian Unit at University of Bergamo is the development of sustainable approaches to the Management of Natural Resources as forms of Cultural Heritage. Network is co-founded by the Erasmus+ Program (2017-2020).
- In the context of the Anthropocene Rivers Research Network, Team Responsible for the survey and planning of the Anthropocene River Campus on the Rio de la Plata (Buenos Aires, 2019), designed to outline the sustainable development of *Costanera Sur Ecological Reserve* (UBA Buenos Aires, MUSIO, Aqua-Red Latinoamerica).