

Curriculum Vitae et Studiorum

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1. Education

Diplomas

- 2006-2010, Ph.D. in Archaeology, territories, environment, Besançon University (2010). Topic: *Landscape archaeology/archaeogeography in the Venetian plain*. Supervision: F. Favory (Professor, UMR 6249 Besançon, FR) and G. Rosada (Professor, Padua University, IT).
- 2004-2006, MA in Archaeology, Territories, Environment, Besançon University, FR (2006).
- 2003-2004, 3rd year degree in History, option Archaeology, Alexandru I. Cuza University, RO (2004), *ERASMUS program*.
- 2002-2003, 3rd year degree in Archaeology, Dijon University, FR (2003).
- 2000-2002, 1st & 2nd year degree in 'History', option Archaeology, Caen University, FR (2002).

Training courses

- 16-20 June 2008, International doctoral workshop in Archaeology *Villae, vici, oppida. Towns and rural settlements in the Roman west*, Casa Velasquez & German Archaeological Institute, Madrid, ES.
- 25-30 June 2007, *Spatial-temporal dynamics in archaeology*, International thematic school of the Spatial Information and Archaeology Network, Tours, FR.
- 22 January-8 February 2006, SOCRATES ERASMUS Intensive program RESPAL, *Remote Sensing for PAst Landscape*, Ljubljana, SI.
- 12-17 September 2005, *Geomatics, spatial analysis and models in archaeology*, Messigny-et-Ventoux, FR.

2. Positions

Current positions

- Since 2013, Associate member of the Laboratory CNRS UMR 8215 *Trajectories*, Paris-1 Panthéon-Sorbonne University, FR.

Previous positions (contractual commitments)

- August 2016-September 2017, Researcher and underwater archaeologist, EVEHA and Department for Underwater Archaeological Research (Marseille, FR), *Supervision of UNESCO World Heritage prehistoric pile dwellings around the French Alps*.
- April 2016-June 2016, Consultant in archaeogeography for the Bordeaux (FR) Metropolitan Area, *GIS-based landscape studies*.
- February 2014-January 2016, Researcher, CNRS UMR 7218, Paris (FR), ANR MONUMOVI *Digital models of the road network morphogenesis, historical GIS and urban morphology*.
- June 2013, Underwater archaeologist, Department for underwater archaeological research (Marseille, FR), *Spatial analysis and archaeological excavations on the later prehistoric sites of the Bourget Lake*.
- May 2013, Researcher, CNRS UMR 8215, Paris (FR), *Analysis and representation of spatial data, ANR MK-PROJEKT Emergence of social complexity: enclosures, resources and territoriality during the Neolithic. Franco-German researches of the Michelsburg culture*.
- July 2012-August 2012 & July 2011-September 2011, Researcher, USR 3124, Besançon (FR), *Analysis and representation of spatial data, ANR Archaedyn Spatial dynamics of territories, from Prehistory to the Middle Ages*.

- September 2006-September 2009, Doctoral research fellow CNRS UMR 6249, Franche-Comté and Bourgogne Universities (FR).
- July 2005-October 2005, Research engineer, CNRS UMR 6249, *Analysis and representation of spatial data* PCR Mandeure (FR), *Pluridisciplinary approaches of a Roman Town. Archaeology, territories and environment.*

3. Granted patents, prizes and awards, scholarships

Post-PhD

- October 2011-October 2012, European fellowship POSDRU at ARHEOINVEST Platform, Laboratory of scientific investigation and cultural heritage conservation, “Alexandru I. Cuza” University (RO), *Territory, resources and settlement pattern during the Prehistoric Moldavian Neolithic.*

Scholarships and awards

- September 2013-September 2014, Fleishmann scholarship from the French Society for ethnology, *Ethnoarchaeological Study of the Uses, Supply and Distribution of Saline Water in Moldavia* (RO).
- December 2014, Research scholarship, TOPOI Cluster of excellence (Free University of Berlin, DEU), *Iznik Intensive Survey Project. Landscape archaeology in the Iznik region* (TU).
- February 2007 & April 2008, Study scholarship from the French Academy in Rome (IT).
- April 2007, Study scholarship from the Casa Velasquez in Madrid (ES).
- September 2006-September 2009, VINCI scholarship (Chap. II) of the Franco-Italian University for co-supervised theses.
- September 2006-September 2009, French ministry of research and education scholarship.

Prizes

- 2015, Grand Prize *EUROINVENT - European exhibition of creativity and innovation* for the edited book *Archaeology of salt, Approaching an invisible past.*
- 2011, First Prize *ADOC - Young doctor in the Franche-Comté University.*
- 2008, Second Prize *ADOC - Young researcher in the Franche-Comté University.*

4. Teaching activities

Invited presentations

- 17 December 2014 (2h), Lecture on the theme *GIS-based analysis for prehistoric archaeology* as part of the course *GIS and quantitative methods applied in landscape archaeology*, Berlin’s Free University (DEU).
- 24 November 2014 (7h) / 17 June 2015 (4h), Lecturer at the training courses *Geomatics for archaeology*, National Centre for Public Service Region (CNFPT), Paris (FR).
- 24 April 2014 (1h), Lecturer at the academic seminar of the Toulouse (FR) University *From site to territory: spatial analyses from Prehistory to the Modern Age* with a lesson entitled *Research on the Neolithic occupation of Romanian Moldavia. Achievements, limits and perspectives.*
- 10-11 April 2014 (5h), Lecturer at the academic seminar of the Cultural Heritage Department (University of Padua, IT), *Tools, methods and applications in landscape archaeogeography/archaeology.*
- 24 January 2014 (1h), Lecturer at the academic seminar *Terrae, research updates* of Toulouse (FR) University with a presentation entitled *History of water. Landscapes of the Venice plain (Italy).*
- 24 September 2013 (2h), Lecturer at the Summer school *Detecting and interpreting landscape transformations* (23-28 September), organised by the Cultural Heritage Department (University of Padua, IT) on the theme of *Archaeogeography.*

Teaching experience

- September 2006-June 2009 (192h), Teaching assistant, Franche-Comté and Bourgogne Universities (FR). Training courses, tutoring students (1st-2nd-3rd year degree, Master 1 & 2):
 - *Environmental sciences in landscape archaeology*; - *Cartography, spatial statistics and GIS in social sciences*; - *Tools, methods and graphic semiology in cartographic production*; - *Scientific valorisation: issues, vectors and productions*; - *The space of past societies: spatial archaeology and archaeogeography*; - *History and methods of archeological explorations*; - *Ethnoarchaeology*; - *Land use, urban-rural planning, landscape policy and planimetric studies*.

5. Scientific responsibilities

Organisation of scientific international conferences

- October 2017, Co-organiser of the session *Site distribution and settling selection patterns in prehistoric times* (with A. Asandulesei, F.-A. Tencariu, M. Alexianu), 2nd International Congress on the Anthropology of Salt, Los Cabos (MX).
- August 2016, Co-organiser of the session *Archaeology of salt between local and global* (with M. Alexianu, T. Kawashima, O. Weller and R. Curcă), 8th World Archaeological Congress, Kyoto (JA).
- May 2016, Co-organiser of the session *The archaeological heritage of salt: preserving and interpreting* (with M. Alexianu, O. Weller and R. Curcă), ICAHM (ICOMOS International Committee for Archaeological Heritage Management, Salalah (MU).
- January 2014, Co-organiser of the session *Archaeology of salt: approach to an invisible past* (with O. Weller, M. Alexianu and R. Curcă), 7th World Archaeological Congress, Amman (JO).
- September 2013, Main organiser of the session *Salt of the Earth: an invisible past to European Archaeology* (with O. Weller, M. Alexianu and R. Curcă), 19th Annual Meeting of the European Association of Archaeologist, Plzen (CZ).

Membership of international committees

- August 2015, Member of the steering committee of the *First international congress on the anthropology of salt*, Iasi (RO).
- April 2012, Member of the steering committee of the *Second Arheoinvest congress: From the ethnoarchaeology to the anthropology of Salt*, Iasi (RO).
- June 2012, Member of the steering committee of the *First Arheoinvest congress: interdisciplinary research in Romanian archaeology*, Iasi (RO).
- Since 2012, Member of the editorial board of the review *Studia Antiqua et Archaeologica* (Univ. Alexandru I. Cuza, Iasi, RO).
- Since 2012, Member of the review college of the annual symposium *Computer applications and quantitative methods in archaeology*.

Research expeditions led

- September 2014, *Scientific networking and bibliographical research in Chisinau (MD)*, Rep. of Moldova (Archaeological Institute, Museum of Archaeology, State University). Mission of the CNRS.
- July 2014, *Ethnoarchaeological survey in the Parang mountains: an exploratory research in the Southern Carpathians* (RO). Fleishmann Scholarship.
- April 2012, July 2011, *Salt ethnoarchaeological surveys in the Moldavian plain and the Eastearn Carpathians* (RO).
- 2006-2009, 3 months/year in Italy (PhD), *Scientific networking, research bibliography, field survey and aerial survey*.

6. Major collaborations (Bulgaria, France, Moldova, Romania)

- 2018-2019, IDEI, CNCS PCE PROIECT (RO), *Salt ethnoarchaeology in the Eastern intra-Carpathian area of Romania*, resp. M. Alexianu (Iasi University).
- 2016-2019, Archaeological mission of the French Ministry of Foreign Affairs, *From small farms to mega-sites. Settlement pattern and salt uses in the Moldavian latter Prehistory* (MD), resp. O. Weller (CNRS UMR 8215).
- 2015-2016, Partenariat Hubert Curien RIGA (UMR 5602, FR. & Department of Marine Geology and Archaeology, BU), *Sea level variations and societies adaptation to environmental changes in the Black Sea during Holocene*, resp. L. Carozza (CNRS UMR 5602), R. Hristova (IO-BAS, BU).
- 2014-2016, PCCA 2013 (Partnerships), CNCS Project (RO), *PROSPECT: non-destructive approaches to complex archaeological sites. An integrated applied research model for cultural heritage*, resp. A. Asandulesei (ARHEOINVEST, Iasi University).
- 2014-2016, IDEI, CNCS Project (RO), *ETHNOSALRO: the ethnoarchaeology of the salt springs and salt mountains from the extra-carpadian area of Romania*, resp. M. Alexianu (Iasi University).
- 2013-2015, Pyrenees working community (Toulouse-Pau-Barcelona, FR-ES), Toulouse centre for social sciences and humanities, *DEPART. Dynamics of Pyrenean Mountains areas. A GIS on archaeological heritage and land pasture patterning*, resp. E. Gassiot (Autonomous Univ. of Barcelona), C. Rendu (CNRS UMR 5136), M. Le Couedic (Pau Univ.).
- 2005-2015, Archaeological mission of the French Ministry of Foreign Affairs, *Pre- and Protohistoric salt exploitations in Romanian Moldavia* (RO), resp. O. Weller (CNRS UMR 8215).
- 2010-2013, GDR 3359 MODYS, *Modélisation des dynamiques spatiales*, resp. X. Rodier (CNRS UMR 7324).
- 2009-2011, ANR ARCHEDYN II, *Spatial dynamics of territories from Prehistory to Middle Ages*, resp. F. Favory and L. Nuninger (CNRS UMR 6565).

7. Main publications

Edited books

- Alexianu M., Weller O., Curca R., BRIGAND R., and Asandulesei M. 2016, *White Gold. French and Romanian projects on salt in the extra-Carpathian areas of Romania*, Kaiserlautern: Parthenon Verlag.
- BRIGAND R. and Weller O. 2015, *Archaeology of salt. Approaching an invisible past*, Leiden: Sidestone.
 - Reviews in *Société Préhistorique Française* (2017, 114/1, 183), *European Journal of Archaeology* (2016, 19/1, 162-166), *Trabajos de Prehistoria* (2016, 73/1, 187-189), *Current Archaeology* (2016, 313, 45), *Cercetări Istorice* (2015, 24, 371-382), *Antiquity* (2015, 89, 1511-1512).
- Alexianu M., Weller O. and BRIGAND R. 2007, *Izvoarele de apa sarata din Moldova subcarpatica. Cercetari ethnoarheologice*, Iași: Demiurg.

Papers in scientific journals (peer reviewed)

- BRIGAND R. and Weller O. 2018, Neo-Eneolithic settlement pattern and salt exploitation in Romanian Moldavia, *Journal of Archaeological Science: Report* (accepted on november 2017).
- BRIGAND R., Asandulesei A. and Cristi I.C. 2014, Autour de la station éponyme de Cucuteni: paysage et peuplement (Valea Oii, iasi, Roumanie), *Tyragetia. Arheologie, Istorie Antica*, VIII, 89-106.
- BRIGAND R. and Weller O. 2013, Neolithic and Chalcolithic settlement pattern in central Moldavia (Ro.), *Documenta Praehistorica*, XL, 195-207.

- BRIGAND R., Asandulesei A., Weller O. and Cotiuga V. 2012, Contribution à l'étude du peuplement chalcolithique des bassins hydrographiques des Bahluiet et Valea Oii (dép. Iași), *Dacia. Revue d'Histoire et d'Archéologie* N.S., LVI, 5-32.
- BRIGAND R. 2011, Centuriations romaines dans la plaine alluviale du Brenta (Vénétie), *Etudes Rurales*, 188, 21-37.

Papers in scientific journals (non peer reviewed)

- BRIGAND R., Alexianu A., Curca R. and Weller O. 2013, Salt of the Earth: an invisible past in European Archaeology, *The European Archaeologist*, 40, 74-77.
- Alexianu M., Weller O., BRIGAND R. and Curca R. 2012, Ethnoarchéologie des sources salées de la Moldavie précarpatique: une taxonomie des habitats, *Thraco-Dacica* N.S., XI/1-2, 141-150.
- Alexianu A., Weller O. and BRIGAND R. 2012, EthnosalRo: an ethnoarchaeological project on Romanian salt, *The European Archaeologist*, 38, 17-22.
- Weller O., BRIGAND R., Nuninger L. and Dumitroaia Gh. 2011, Prehistoric salt exploitation in Eastern Carpathians (Romania): a spatial approach, *Studia Praehistorica*, XIV, 197-219.
- Weller O., BRIGAND R. and Alexianu A. 2010, Recherches systématiques autour des sources salées de Moldavie. Bilan des prospections 2008-2010, *Memoria Antiquitatis*, XXV, 437-504.
- Weller O., BRIGAND R. and Alexianu A. 2007, Cercetari sistematice asupra izvoarelor de apa sarata din Moldova. Bilanțul exploarilor din anii 2004-2007 efectuate in special in județul Neamț, *Memoria Antiquitatis*, XXIV, 121-190.

Book chapters

- BRIGAND R., Weller O., Tencariu F., Alexianu M. and Asandulesei A. 2017 (in press), Ovine pastoralism in Romania. An ethnoarchaeological approach, In Costello E. and Svensson E. (ed.), *Historical archaeologies of transhumance across Europe*, Themes in Contemporary Archaeology, London-New-York: Routledge.
- Alexianu M., Weller O. and BRIGAND R. 2016, Romanian salt springs, intangible cultural heritage, archaeological reconstruction: a variable geometry, In Biagetti S. (ed.), *The intangible elements of culture in the ethnoarchaeological research*, Roma: Springer, 231-240.
- BRIGAND R. 2015, Archaeogeography and planimetric landscapes. In Chavarria A. and Reynolds A., *Detecting and understanding historic landscapes*, PCA 2, Mantova: SAP, 173-208 (*European Journal of Post-Classical Archaeologies* 2).
- BRIGAND R. and Weller O. 2015, Spatial analysis for salt archaeology. A case study from Moldavian Neolithic, In BRIGAND R. and Weller O. (ed.), *Archaeology of salt: approaching an invisible past*, Leiden: Sidestone, 157-179.
- Alexianu M., Tencariu F.A., Asandulesei A., Weller O., BRIGAND R., Sandu I., Romanescu G., Curca R., Caliniuc S., Asandulesei M. 2015, The salt from Alghianu beck (Vrancea County, Romania): a multifaceted ethnoarchaeological approach, In BRIGAND R. and Weller O. (ed.), *Archaeology of salt. Approaching an invisible past*, Leiden: Sidestone, 47-63.

Conference proceedings (peer reviewed)

- BRIGAND R., Asandulesei A., Weller O. and Cotiuga V. 2014, Chalcolithic territorial patterns in central Moldavia (Iasi County, Ro.), In Earl G., Sly T., Chrysanthi A., Murrieta-Flores P., Papadopoulos C., Romanowska I. and Wheatley D., *Archaeology in the digital era*, Papers from the 40th Annual Conference of Computer Applications and Quantitative Methods in Archaeology (CAA), Amsterdam: University Press, 624-635.
- BRIGAND R. 2012, Nuove prospettive nello studio delle centuriazione romane per carto- e foto-interpretazione. Esempi veneti e Istriani, In G. Ceraudo (ed.), *100 anni di Archeologia Aerea in Italia*, Atti del Convegno Internazionale (15-17 avril 2009), Rome, *Archeologia Aerea. Studi di aerotopografia archeologica*, IV-V, 81-86.
- Alexianu M., Weller O., BRIGAND R. and Curca R. 2011, Ethnoarchaologische Forschungen zu den Salzwasserquellen der moldauischen Vorkarpaten, Rumanien, In V. Nikolov and K

Bacvarov (ed.), *Salz und Gold. Die Rolle des Salzes im prähistorischen Europa*, Actes du colloque international Humboldt-Kolleg (30 sept.-4 oct. 2010), Provardia. Provardia-Veliko Tarnovo: Faber, 155-172.

- BRIGAND R. and Ninfo A. 2009, Landscape archaeology in the venetian plain (northern italy), In Posluschny A., Lambers K. and Herzog I. (ed.), *Layers of perception*, Proceedings of the 35th Computer Applications and Quantitative Methods in Archaeology Conference (2-6 avril 2007), Berlin, Habelt Kolloquien zur Vor- und Frühgeschichte, 10: Bonn, CD.
- Weller O., BRIGAND R., Nuninger L., Dumitroaia Gh. and Monah D. 2008, Analyses et modélisation spatiale autour des sources salées de Moldavie Précarpatique durant la Préhistoire, In N. Morère Molinero (ed.), *Las salinas y la sal de interior en la historia: economía, medioambiente y sociedad*, Colloque international, Sigüenza 2006. Univ. Rey Juan Carlos-Dykinson: Madrid, 165-184.
- Alexianu M., Weller O. and BRIGAND R. 2008, Usages et enjeux autour des sources salées de Moldavie précarpatique, Roumanie, In O. Weller, A. Dufraisse and P. Pétrequin (ed.), *Sel, eau et forêt. D'hier à aujourd'hui*, Actes du colloque international, Saline Royale d'Arc-et-Senans, 3-5 octobre 2006, Cahiers de la MSH Ledoux XII, Besançon: PUF, 49-72.

Conference proceedings (non peer reviewed)

- BRIGAND R., Weller O. and Alexianu M. 2015, A new technique for salt block preparation at Coza (Tulnici, Vrancea County, Romania), In Alexianu M., Curca R. and Cotiuga V. (ed.), *Salt Effect*, Proceedings of the second Arheoinvest Congress (20-21 avril 2012), Iași. BAR International Series, Oxford: Archaeopress, 223-227.
- Weller O., BRIGAND R., Dumitroaia G., Garvan D. and Munteanu R. 2015, A pinch of salt in the prehistoric Eastern Carpathians Mountains (Ro.), In Alexianu M., Curca R. and Cotiuga V. (ed.), *Salt Effect*, Proceedings of the second Arheoinvest Congress (20-21 avril 2012), Iași. BAR International Series, Oxford: Archaeopress, 125-133.
- BRIGAND R. and Weller O. 2012, Natural resources and settlements dynamics during Later Prehistory in Central Moldavia (Romania). An integrated GIS for spatial archaeological studies, In V. Cotiuga and Ș. Caliniuc (ed.), *Interdisciplinary research in archaeology*, Proceedings of the first Arheoinvest Congress (10-11 june 2011), Iași. BAR International Series 2433, Oxford: Archaeopress, 1-18.
- Nicu I.C., Asandulesei A., BRIGAND R., Cotiuga V., Romanescu G., Boghian D. 2012, Integrating geographical and archaeological data in the Romanian Chalcolithic. Case study: Cucuteni settlements from Valea Oii (Sheep Valley – Bahlui) watershed, In *Geomorphic processes and geoarchaeology. From landscape archaeology to archaeotourism*, International Conference, Moscow-Smolensk, Russia (20-24 août 2012), Smolensk: Universum, 204-207.
- Alexianu M., Weller O., BRIGAND R., Curca R., Cotiuga V. and Moga I. 2011, Salt springs in today's rural world. An etnoarchaeological approach in Moldavia (Romania), In M. Alexianu, O. Weller and R. Curca (ed.), *Archaeology and anthropology of salt: a diachronic approach*, Proceedings of the International Colloquium (1-5 oct. 2008), Iași. BAR International Series 2198, Oxford: Archaeopress, 7-23.
- Weller O., BRIGAND R., Nuninger L. and Dumitroaia Gh. 2011, Spatial analysis of prehistoric salt exploitation in Eastern Carpathians (Romania), In M. Alexianu, O. Weller, R. Curca (ed.), *Archaeology and anthropology of salt. A diachronic approach*, Proceedings of the International Colloquium (1-5 oct. 2008), Iași. BAR International Series 2198, Oxford: Archaeopress: 69-80.