

## PERSONAL INFORMATION

**Guido Minucci**✉ [guido.minucci@polimi.it](mailto:guido.minucci@polimi.it)

## WORK EXPERIENCE

March 2013 -  
September 2019**Research Fellow**

Politecnico di Milano, Department of Architecture and Urban Studies (DAStU)

- **Proposed Project:** LODE (Loss Data Enhancement for DRR and CCA Management) (2019-2021)
- **Main responsibilities:** member of the project Partner team
- **Proposal Development:** support to write the technical proposal and to respond to the administrative requirements of the EU-DG-ECHO call.
- **Project:** Flood-IMPAT+ (An Integrated Meso & Micro Scale Procedure to Assess Territorial Flood Risk) <http://www.floodimpatproject.polimi.it/> (2017-2019)
- **Main responsibilities:** Responsible for dissemination and task leader
- **Main activities:** Organization of all the initiatives related to the dissemination of the project advancements and results; contribution of the project activities to the RRI; public relations (PR) with Fondazione CARIPO and the media; flood damage and risk assessment, what if analysis, vulnerability diagnostic analysis for business activity; estimation of direct damage (i.e. physical and monetary) to commercial and industrial buildings.  
Supporting activities to project reporting.  
**Proposal Development:** support to write the technical proposal and to respond to the administrative requirements of the Fondazione CARIPO call.
- **Project:** Flood damage assessment for selected mountain areas and hot-spots in Val d'Aosta Region (funded by Regione Val d'Aosta - CIG ZE80F65592). (2015–2016)
- **Main responsibilities:** Project Manager and task leader
- **Main activities:** coordinating a team of four people, activity planning and monitoring progress; controlling time management; organizing and motivating a project team, ensuring customer satisfaction. Project reporting tasks.
- **Project:** IDEA EU DG ECHO project (Improving Damage assessments to Enhance cost-benefit Analyses) <http://www.ideaproject.polimi.it/> (2014-2016)
- **Main responsibilities:** Member of the research team  
**Main activities:** Linking post-damage assessment to pre-event risk assessment, developing of a more-comprehensive pre-event risk assessment including different sectors (residential, industrial, agriculture, critical infrastructure and population); analysis of mitigation measures to increase business resilience; forensic investigation.  
Supporting activities to project reporting.
- **Project:** Expertise Centre with the Umbria Region – Civil protection (2011-2016)
- **Main responsibilities:** Member of the research team and Co-director of post-event field activities
- **Main activities:** Post-damage assessment, mitigation of hydrogeological risks, development of a damage surveys procedure, direct surveys on the field for flood damage assessment and coordination of multiple teams of damage surveyors in the post-flood event.
- **Project:** Collaboration with the Po River Basin District (2014-2017)

- **Main responsibilities:** Member of the research team
- **Main activities:** Development of a new methodology for flood risk assessment applicable at meso- and micro-scale for residential, industrial, agriculture, road infrastructure and population, development of a database of climate change adaptation strategies.
- **Project:** Poli-RISPOSTA (Strumenti per la Protezione Civile a Supporto delle Popolazioni nel Post Alluvione, Polisocial Award) <http://www.polirisposta.polimi.it/> (2012-2013)
- **Main responsibilities:** Member of the research team
- **Main activities:** development of a methodology for damage data collection, development of a multi-scale and multi-sector database; physical and system vulnerability analysis; damage assessment, data query, representation and mapping in a WebGIS environment.

**Project:** KNOW-4-DRR EU FP7 Project (Enabling knowledge for disaster risk reduction in integration to climate change adaptation - Project N. 603807) <http://www.know4drd.polimi.it/> (2013-2015)

- **Main responsibilities:** Member of the research team
- **Main activities:** Simulation and scenario analysis; damage assessment; analysis of bridges and barriers between disaster risk reduction and climate change adaptation; development of a knowledge management framework.

Research

September 2012 – May 2012

Research Fellow as Winner of the PhD Erasmus scholarship

Cranfield University, College Road Cranfield, Bedford MK43 0AL

- **Project:** TRUST EU FP7 projects (Transitions to the Urban Water Services of Tomorrow; Contract No. 265122)
- **Main responsibilities:** Member of the research team
- **Main activities:** Development of a methodology for self-assessment of the adaptive capacity of water organizations to natural disasters, technological innovations and climate change.

Research

April 2011 – July 2012

Consultant

ONG ACRA BOLIVIA, calle Subtte. Aramayo 1008 esquina Jaimes Freire Sopocachi - La Paz

- **Project:** EU Boltom project (European Cooperation and Development project in Bolivia. Los Actores no Estatales y la Autoridad Locales en el Desarrollo; Contract n° EuropeAid/127988/L/ACT/BO)
- **Main activities:** analysis and evaluation of the process decision of local institutions, evaluation of capabilities to manage criticalities within the decision-making process, problem setting and support for the development of adaptation strategies to climate change.

Non-governmental organization (NGO)

May 2009 – February 2013

Research Assistant

Politecnico di Milano, Department of Architecture and Urban Studies (DAStU)

- **Project:** ENSURE FP 7 PROJECT (Enhancing resilience of communities and territories facing natural and na-tech hazards; Contr. n° 212045)
- **Main responsibilities:** Member of the research team
- **Project:** INTERREG M.I.A.R.I.A (Monitoraggio Idrogeologico Adattivo a Supporto del Piano di Rischio Integrato Alpino; Contratto n° 7629775)
- **Main responsibilities:** Member of the research team

**Project:** Development of the Varese Provincial Emergency Plan for Drought risk

• **Main responsibilities:** Member of the research team

Research

## EVENTS ORGANIZATION

- Member of the Scientific Board of the 5th Edition of CERES International Conference on Social-Ecological Systems - From Risks and Insecurity to Viability and Resilience
- Co-organizer of the “LABORATORI DI MAPPATURA COLLETTIVA: Tavolo dedicato ad istituzioni, tecnici ed esperti”, Lodi 30 October 2018
- Co-organizer of the “LABORATORI DI MAPPATURA COLLETTIVA: Tavolo dedicato alla società civile e al mondo economico”, Lodi 13 October 2018
- Co-organizer of the workshop on “Flood Damage Modelling: Experiences from European Countries”, Milan 1 October 2018.
- Member of the Organisation Committee of the International Conference on “Validation in Flood Risk Modelling: combining scientific, policy and market perspectives”, Milan 20-21 November 2017.
- Co-organizer of the workshop on “Flood Damage Assessment: From Theory to Practice”, Milan 22 June 2017.
- Co-organizer of the Seminar “Challenges in post-event reconstruction from response to resilience, Milan 13 March 2017
- Co-organizer of the workshop on “Ushaidi platform”, Milan 13 July 2015
- Member of the Organisation Committee of International Workshop on Urban Resilience, Barcelona on 18-19 November 2011.

Member of the organization team of the final conferences of the EU-funded projects IDEA, KNOW-4-DRR, ENSURE and of the Poli-RISPOSTA project funded by the POLISOCIAL AWARD- Politecnico di Milano.

## TEACHING EXPERIENCE

February 2019 - now

### Adjunct Professor

School of Architecture Urban Planning Construction Engineering  
International master course of Urban Design Studio (122 students), ICAR/21

October 2010 – now

### Teaching Assistant

Master in Civil Engineering for Risk Mitigation (CERM), Politecnico di Milano  
Courses: “Tools for risk management”; “Cognitive and Organisational Aspects of Crisis Management; “Laboratory of Emergency Planning”

February 2017 –July 2017

### Teaching Assistant

Bachelor in Urbanistica: Città, Ambiente, Paesaggio, Politecnico di Milano  
Course: “Prevenzione E Gestione Del Rischio”

May 2014 –June 2017

### Instructor

Laboratory of International Cooperation, Department of Architecture and Urban Studies (DAStU), Politecnico di Milano  
Post-graduate Programme - COOPERA(C)TION Knowledge and skills for sustainable cities in the Global South

## OTHER ACTIVITIES

Reviewer for scientific journal papers

Co-founder of the Urban Resilience Research Network (URNet)

Member of the “European Geosciences Union” <http://www.egu.eu/>

## SOCIAL COMMITMENT AS PUBLIC OFFICER AND VOLUNTARY ACTIVITIES

Co-founder of the university group of civil protection “LARES-Lombardia”  
(<http://associazionelares.wixsite.com/lareslombardia/mission>)

**EDUCATION AND TRAINING**

- January 2017 – May 2017 **Master in Loss adjustment basic**  
Cineas - Politecnico di Milano
  
- January 2011 – March 2014 **PhD in Territorial Design and Government**  
Politecnico di Milano, Faculty of Architecture
  
- November 2007 – December 2008 **International Master’s Degree (with honors) in Territorial and Urban Diagnostic**  
Università di Messina, Università di Cagliari, Università di Lecce, Università di Palermo, Università di Pisa, Istituto Italiano di Oceanografia Geofisica Sperimentale (O.G.S.), Università di Atene, Università di Barcellona, Università di Buenos Aires.
  
- November 2004 – October 2007 **Master Degree (with honors) in Territorial and Environmental Planning**  
La Sapienza, Università degli studi di Roma, Faculty of Architecture, Italy
  
- November 2000 – March 2004 **Bachelor’s Degree in Urban and Regional Planning Science**  
Istituto Universitario di Architettura di Venezia (IUAV), Faculty of Urban and Regional Planning, Italy

**ATTENDED COURSES**

- Workshop on "How to Write the Impact of a Horizon 2020 Proposal" in 2018
- Workshop on “How to Write a Competitive Proposal for Horizon 2020” in 2015
- Course on “Research Professional tool” in 2014

**PERSONAL SKILLS AND COMPETENCES**

Mother tongue(s) Italian

Other language(s)  
European level (\*)

	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
English	Advanced Professional Proficiency	Advanced Professional Proficiency	Advanced Professional Proficiency	Advanced Professional Proficiency	Advanced Professional Proficiency
Spanish	Professional Proficiency	Professional Proficiency	Professional Proficiency	Professional Proficiency	Professional Proficiency

Computer skills

Advanced command of Microsoft Office Tools (Word, Excel, PowerPoint)  
Advanced command of Google suite (Docs, Forms, Sheets, Slides, Keep)  
Advanced command of GIS (ArcMap, Qgis and GeoNode)  
Advanced command of Graphic Design Applications (Adobe Illustrator, Adobe PhotoShop, Adobe InDesign)  
Advanced command of Skype, Gchat  
Very good command of Wordpress,  
Very good command of Twitter/Tweetdeck, Slideshare, Youtube and Facebook streaming, Facebook page manager, OBS studio.

**PUBLICATIONS**

Book

**Minucci, G.** (forthcoming). Enabling Adaptive Water Management to Face Drought Risk in a Changing Climate. Springer Briefs in Applied Sciences and Technology. Springer.

## Peer-Reviewed Journal

- Chelleri, L., **Minucci, G.** and Skrimizea, E., **2016**. Does community resilience decrease social–ecological vulnerability? Adaptation pathways trade-off in the Bolivian Altiplano. *Regional Environmental Change*.
- Minucci, G.** **2016**. Assessing Adaptive Capacity of Water Management Organizations. The case study of the Municipality of Tomave (Bolivia). *Journal of Risk Research* 19(7):847-872.
- Menoni, S., Molinari, D., Ballio, F., **Minucci, G.**, Atun, F., Berni, N. and Pandolfo, C. **2016**. Reporting flood damages: a model for consistent, complete and multi-purpose scenarios, *Nat. Hazards Earth Syst. Sci. Discuss.*
- Molinari, D., **Minucci, G.**, Mendoza, M.T., Simonelli, T. **2016**. Implementing the European “Floods Directive”: the Case of the Po River Basin, *Water Resources Management*, 30(5), 1739-1756.
- Ballio, F., Molinari, D., **Minucci, G.**, Mazuran, M., Arias Munoz, C., Menoni, S., Atun, F., Ardagna, D., Berni, N., Pandolfo, C. **2015**. The RISPOSTA procedure for the collection, storage and analysis of high quality, consistent and reliable damage data in the aftermath of floods. *Journal of Flood Risk Management*.
- Chelleri, L., Waters, J.J., Olazabal, M., **Minucci, G.** **2015**. Resilience trade-offs: addressing multiple scales and temporal aspects of urban resilience, *Environment and Urbanization* 01.
- Molinari, D., Menoni, S., Aronica, G. T., Ballio, F., Berni, N., Pandolfo, C., Stelluti, M., **Minucci, G.** **2014**. Ex post damage assessment: an Italian experience, *Nat. Hazards Earth Syst. Sci.*, 14, 901-916.

## Book Chapters

- Karmaoui A., **Minucci G.**, Messouli M., Khebiza M.Y., Ifaadassan I., Babqiqi A. **2019**. Climate Change Impacts on Water Supply System of the Middle Draa Valley in South Morocco. In: Behnassi M., Pollmann O., Gupta H. (eds) *Climate Change, Food Security and Natural Resource Management*. Springer, Cham
- Pesaro, G., Mendoza, M.T., **Minucci, G.**, Menoni, S. **2018**. Cost-Benefit Analysis for non-structural flood risk mitigation measures: Insights and lessons learnt from a real case study in Haugen, S. (Ed.), Barros, A. (Ed.), Gulijk, C. v. (Ed.), Kongsvik, T. (Ed.), Vinnem, J. (Ed.). *Safety and Reliability – Safe Societies in a Changing World*. London: CRC Press, <https://doi.org/10.1201/9781351174664>
- Minucci, G.** **2018**. Social–Ecological Implications of the Quinoa Market Teleconnections: Intervention Criteria on the Southern Bolivian Altiplano. In: Petrillo A., Bellaviti P. (eds) *Sustainable Urban Development and Globalization. Research for Development*. Springer, Cham.
- Minucci, G.**, Karmaoui, A. **2017**. Exploring the Water-Food-Energy and Climate Nexus: Insights from the Moroccan Draa Valley. In Colucci, A., Magoni, M., Menoni, S. (eds.). *Food-Energy-Water Nexus. Strategies for peri-urban areas in an age of climate change*, Springer.
- Menoni, S. Atun, F., **Minucci, G.**; Berni, N. **2017**. Defining complete post flood scenarios to support risk mitigation strategies in Molinari, D., Menoni, S. and Ballio F. (eds.) *Flood Damage Survey and Assessment: New Insights from Research and Practice*. AGU Books, Wiley.
- Berni, N., Molinari, D., Ballio, F., **Minucci, G.**, Arias, C. **2017**. Best practice of data collection at the local scale: the RISPOSTA procedure. in Molinari, D., Menoni, S. and Ballio F. (eds.) *Flood Damage Survey and Assessment: New Insights from Research and Practice*. AGU Books, Wiley.
- Munoz, C.A., Mazuran, M., **Minucci, G.**, Ardagna, D. and Brovelli, M. **2017**. Data Collection and Analysis at Local Scale: New Insights from Research and Practice. In Molinari, D., Menoni, S. and Ballio F. (eds.) *Flood Damage Survey and Assessment: New Insights from Research and Practice*. AGU Books, Wiley.
- Minucci, G.**, Molinari D., Gemini G., Pezzoli S., Galliani M., Gallazzi A. **2019**. Co-mapping lab: un’esperienza di costruzione collaborativa delle mappe di rischio alluvionale, XXII Conferenza Nazionale SIU - Società Italiana degli Urbanisti, Matera-Bari 5-6-7 Giugno 2019.

Proceedings and Papers  
in International Conferences

- Molinari D., Minucci G., Scorzini A. R., Galliani M., Ballio F. (2018). La Diffusione della Conoscenza sul Rischio Alluvionale nel Progetto Flood-IMPAT+. XXXVI Convegno Nazionale di Idraulica e Costruzioni Idrauliche - IDRA 2018.
- Galliani, M., Molinari, D., **Minucci, G.**, Scorzini, A. (2018) On uncertainty quantification with different availability of data – the case of flood damage estimation for the 2002 flood in Lodi (Northern Italy) with the INSYDE model. EGU General Assembly 2018: - NH9.2 – Costs of Natural Hazards.
- Molinari, D., **Minucci, G.**, Scorzini, A., Galliani, M. (2018). A complete event scenario for the flood of Lodi (Northern Italy) in 2002. EGU General Assembly 2018: - NH9.1 – Natural hazard event analyses for risk reduction and adaptation.
- Minucci, G.**, Garcia-Fernandez, M., Menoni, S., Molinari, D. Jimenez, M., Mendoza, M.T., Ballio, F., Berni, N., Cedazo Tabernero, C., Mata Francès, R. (2016). Comparing post-event and pre-event damage assessment: Information gaps and lessons learnt. FLOODrisk2016, 3rd European Conference on Flood Risk Management, 17th - 21st October 2016, Lyon, France (Paper and Oral presentation)
- Minucci, G.** Mendoza, M.T., Ballio, F., Molinari, D., Atun, F., Menoni, S., Simonelli, T. (2016). Analysis of post-event damage data for supporting risk-modelling process. River Flow 2016 – 8th International Conference on Fluvial Hydraulics, St. Louis, Mo, 12-15 July 2016.
- Minucci, G.**, Mendoza, M.T. Molinari, D., Atun, F., Menoni, S. and Ballio, F. (2016). Application of the Flood-IMPAT procedure in the Valle d'Aosta Region, Italy. EGU General Assembly 17-21 April 2016, Vienna, Austria (Poster)
- Minucci, G.**, Garcia-Fernandez, M., Menoni, S., Molinari, D., Jimenez, M., Mendoza, M., Ballio, F., Berni, N., Cedazo Tabernero, C., Mata Francès, R. (2016). Comparing post-event and pre-event damage assessment: Information gaps and lessons learnt. FLOODrisk 2016 Conference (Paper and Oral presentation)
- Minucci, G.**, Mendoza, M.T., Atun, F., Menoni, S., Ballio, F., Molinari, D., Simonelli, T. (2016). Analysis of post-event damage data for supporting risk-modelling process. Riverflow 2016 Eighth International Conference on Fluvial Hydraulics (Paper and Oral presentation)
- Ballio, F., Molinari, D., **Minucci, G.**, Mendoza, M.T., Atun F., Menoni, S., Simonelli T. (2016). On the Flood-IMPAT procedure for flood risk analysis and mapping. Riverflow 2016 Eighth International Conference on Fluvial Hydraulics (Paper and Oral presentation)
- Molinari D., Ballio F., Mazuran M., Arias C., **Minucci G.**, Atun F., Ardagna D. (2015). Developing tools and procedures for the collection and storage of flood damage data in the aftermath of flood events: the Poli-RISPOSTA project, EGU General Assembly 2015, 12-17 April 2015, Vienna, Austria. (Abstract and oral presentation)
- Minucci G.** (2014). Reframing adaptive capacity attributes of organizations operating in the water sector. Resilience 2014, Montpellier 4-8 May 2014. (Abstract and oral presentation)
- Molinari D., Ballio F., Menoni S., **Minucci G.**, Atun F., Mazuran M., Arias C., Ardagna D., Berni N. (2014). Il progetto Poli-RISPOSTA: strumenti per la protezione civile a supporto delle popolazioni nel post alluvione. XXXIV Convegno Nazionale IDRA 2014, Bari (Italia), 7-10 Settembre 2014. (Paper and Oral presentation)

**Award** Best paper of the "Workshop 2.1 La sicurezza dei territori fragili" of the XXII Conferenza Nazionale SIU - Società Italiana degli Urbanisti coordinated by Paolo La Greca, Massimo Angrilli and Adriana Galderisi.

Autorizzo al trattamento dati ai sensi del GDPR 2016/679 del 27 aprile 2016 (Regolamento Europeo relativo alla protezione delle persone fisiche per quanto riguarda il trattamento dei dati personali).  
Autorizzo la pubblicazione sul sito istituzione del Politecnico di Milano (sez. Amministrazione Trasparente) in ottemperanza al D. Lgs n. 33 del 14 marzo 2013 (e s.m.i.)