

PERSONAL INFORMATION

Martina Baučić



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WORK EXPERIENCE

- 2015. - today **Associate professor** (from 2022., assistant professor 2015.- 2022.)
 University of Split, Faculty of Civil Engineering, Architecture and Geodesy, Split, Croatia

 - Vice-dean for Geodesy and Geoinformatics Study since 2018
 - Head of ZIU LC for GIS research and decision support modeling

Activity or sector: higher education and scientific research in the field of geoinformatics
- 2010. – 2015. **Assistant** (part time)
 University of Split, Faculty of Civil Engineering, Architecture and Geodesy, Split, Croatia

 - Teaching assistant in courses in geodesy and geoinformatics

Activity or sector: higher education and scientific research in the field of geoinformatics
- 1995. – 2015. **Head of the GIS department**
 Geodata d.o.o. in Split, Croatia

 - management and elaboration of geoinformatics projects

Activity or sector: geodetic and geoinformatics services
- 1992. – 1993. **Apprentice**
 Geodetski zavod d.d. in Split, Croatia

 - associate in geodetic and geoinformatics work

Activity or sector: geodetic and geoinformatics services

EDUCATION

- 2010. - 2014. **PhD** 8.2
 Faculty of Geodesy, University of Zagreb, Croatia

 - Technical sciences, scientific field of Geodesy, scientific branch of Geomatics
- 1993. – 1995. **MSc** 8.1
 International Institute for Aerospace Survey and Earth Sciences ITC, Enschede, Nizozemska

 - Technical sciences, Geoinformation systems with application in Cadastre
- 1985. - 1992. **Graduated engineer** 7.1. sv.
 Faculty of Geodesy, University of Zagreb, Croatia

 - Geodesy

PERSONAL SKILLS

Mother tongue Croatian

Other languages

| | UNDERSTANDING | | SPEAKING | | WRITING |
|---------|---------------|---------|--------------------|-------------------|---------|
| | Listening | Reading | Spoken interaction | Spoken production | |
| English | C2 | C2 | B2 | B2 | B2 |

Levels: A1/2: Basic user - B1/B2: Independent user - C1/C2 Experienced user
Common European Framework of Reference for Languages

Organizational / managerial skills

- Manager of several projects and head of organizational units

ADDITIONAL INFORMATION

Scientific projects

- Researcher in the Horizon Europe project "DesirMED" (101112972), 2024-2028, <https://cordis.europa.eu/project/id/101112972>
- Researcher in the FP7 project "EPISECC" (607078), 2014-2017, <https://www.episecc.eu/>
- Researcher in the project "Investigation of the impact of new operational concepts of air traffic management in Central and Southeastern Europe" (135-1352339-3045), 2014.
- Researcher in the Croatian-Japanese research project "Risk Identification and Land-use Planning for Disaster Mitigation of Landslides and Floods in Croatia (JST/JICA, SATREPS Program FY2008)", 2012.
- Researcher in the project "Space, littoralization processes and the environment" (055-0551207-0773), 2007-2014.

Teaching

- Member of working groups for the development of occupations, qualifications and study programs in geodesy and geoinformatics on the project "Labirint" (UP.03.1.1.03.0012), 2019-2022.
- Developed the module "Geoinformatics in environmental engineering" within the project "Green construction - Development of higher education professional standards and qualification standards for the field of sustainable and green construction with the development of a new university graduate program in sustainable and green construction with an emphasis on the Mediterranean area" (HR.3.1. 15-0034)", 2015 - 2016.
- Developed the course "Introduction to GIS with practical applications" for "Split Summer School", 2015.
- Taught classes at the Split Summer School in 2015. -2018., and in 2020. and 2021.
- Teacher of several courses at the University Undergraduate Study of Geodesy and Geoinformatics, <https://gradst.unist.hr/o-fakultetu/adresar-imenik/agenttype/view/propertyid/3107>
- Created and conducted several trainings in geoinformatics as part of professional projects

Selected professional projects

- Project Supervision of the CCI25 Assessment and Capacity Building for Future Monitoring in the project countries of the GEF MedProgramme Child project 2.1 (2023. – 2024.), PAP/RAC, leader and expert in geospatial analysis, design of education and creation of educational materials
- Project Upgrade Methodology for IMAP Candidate Common Indicator on Land Cover Change in the frame of the GEF MedProgramme Child Project 2.1 (2021. – 2022.), PAP/RAC, manager and geospatial analysis expert
- Project E-CITIJENS - Civil Protection Emergency DSS based on Citizen Journalism to Enhance Safety of Adriatic Basin (2019. – 2022.), program Interreg Italy-Croatia, co-leader for partner and expert for semantic interoperability
- Project CHANGE-WE-CARE - Climate Challenges on Coastal and Transitional Changing Areas: WEaving a Cross-Adriatic Response, Interreg Med program (2020. – 2021.), manager and geospatial analysis expert on the preparation of the Climate Change Adaptation Plan for the Jadro River area
- Project CO-EVOLVE - Promoting the co-evolution of human activities and natural systems for the development of sustainable coastal and maritime tourism, Interreg Med program (2018. – 2019.), coordinator and geospatial analysis expert on the development of the Management Plan for the coastal area of Kaštela
- Plan for integral management of the coastal area of Šibenik-Knin County, Global Environment Facility, UNEP, PAP/RAC (2015. – 2016.), expert in geospatial databases and analysis (database, analysis and atlas);
- Development of marine environment management strategy and measures program of the Republic

of Croatia (2015. – 2016.), PAP/RAC, execution of geospatial analyses, creation of thematic maps and proposal of measures within the framework of the Strategy

- Program of integral management of the coastal area of Montenegro (CAMP CG) (2014. – 2015.), PAP/RAC, creation of Geoportal and user training
- Pilot project on climate change: Building a link between flood risk management planning and climate change assessment in the Sava River Basin (2011. – 2013.), Sava Commission for UNECE, expert in geospatial data and analysis (database creation, methodology development and analysis performance, consultations)
- Creation of an ICT/IM strategy for a common information system for registration and real estate cadastre and a database on the land of the Republic of Croatia (2005. – 2006.), Unit for the implementation of the project Organized Land of the Republic of Croatia, local manager and expert for the development of the GIS system

Invited talk

- 2023 – talk at XX Days of Croatian Surveyors "Study of geodesy and geoinformatics at the Faculty of Civil Engineering, Architecture and Geodesy in Split" (expert gathering)
- 2021 - talk at the final conference of the Interreg project Adriadapt "The path towards the adaptation of the coastal area of Šibenik-Knin County" (international scientific and professional meeting)
- 2021 - talk at the final conference of the Interreg project ChangeWeCare (international scientific and professional meeting)
- 2021 - talk at the Interreg conference of the FireSpill project "Disaster risk management" (international scientific and professional gathering)
- 2018 - talk at the PSCEurope conference in Bled, Slovenia "Semantic interoperability" (international scientific and professional gathering)
- 2017 – talk at the educational meeting "Improving management and decision-making using GIS technology" held in Solin, Croatia (domestic expert meeting)
- 2017 - talk at the international summer school for doctoral students "GEOSTAT Split 2017", Croatia (international scientific meeting)
- 2016 – welcome talk "First International Conference on Smart Data and Smart Cities" held in Split, Croatia (international scientific meeting)
- 2015 – talk at the "Regional Conference on the evaluation of socio-economic impacts of climate variability and change in coastal zones" held at the University of Kiel in Germany (international scientific and professional meeting)

Publication

- She is the co-author of three books, one educational manual and has published seven original scientific papers in magazines, 16 scientific papers and 12 professional papers in conference proceedings.
- CroRis profile <https://www.croris.hr/osobe/profil/1044>

Other works

- Co-author of the standard CWA 17513:2020, Crisis and disaster management, Semantic and syntactic interoperability (2020.)
- Member of the scientific-expert and review committee of the Symposium of Certified Geodesy Engineers (2017. – 2020.)
- Member of the scientific committee of the International Scientific Conferences Smart Data and Smart Cities organized by the Urban Data Management Society and in cooperation with the International Society for Photogrammetry and Remote Sensing (ISPRS) from 2016. until today
- Local organizer of the international scientific conference "First International Conference on Smart Data and Smart Cities" and co-editor of the related proceedings (2016.)