



Dr Mirko Barada

Date of birth: 14/11/1992 | **Place of birth:** Split, Croatia | **Nationality:** Croatian |

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ABOUT ME

Researcher and GIS/EO specialist with more than five years of experience in the geoscience field. Former Postgraduate researcher at the University of Liverpool where he was working on the development of the high-res. bathymetry of English estuaries. Recently gained PhD degree at Bangor University in Physical Oceanography in modelling (compound) flooding in estuaries and coastal areas by using state-of-the-art hydrodynamic models and GIS. In his work he is applying different climate projections and studying its effects on coastal and riverine flooding. Skilled in GIS with a focus on digital terrain modelling and satellite image analysis. Basic skills in Photogrammetry (aero and terrestrial), UAV operations, 3D scanning, rendering and graphic design software. Previously worked as a Research Assistant at the Centre for Geospatial Technologies, Zadar, Croatia. Received Rector's Award at the University of Zadar for outstanding academic results and several departmental awards. Experienced in PR activities.

WORK EXPERIENCE

SENIOR GIS ENGINEER – LIST LABS D.O.O. – 01/09/2025 – Current – ZAGREB, CROATIA

- Analysis and processing of spatial data
- Satellite image processing
- Work on project documentation
- Research on the application of GIS and satellite data in different domains

HONORARY POST-DOCTORAL RESEARCHER – SCHOOL OF OCEAN SCIENCES, BANGOR UNIVERSITY – 01/03/2025 – Current – BANGOR, UNITED KINGDOM

- Access to resources: ArcGIS PRO, Supercomputer Wales
- Paper publishing from PhD thesis

HONORARY POST-DOCTORAL RESEARCHER – DEPARTMENT OF GEOGRAPHY AND PLANNING, UNIVERSITY OF LIVERPOOL – 01/03/2026 – Current – LIVERPOOL, UNITED KINGDOM

- Access to resources: ArcGIS PRO, Matlab
- Paper publishing from Postdoc period

POST-DOCTORAL RESEARCH ASSISTANT – UNIVERSITY OF LIVERPOOL – 15/07/2024 – 01/04/2025 – LIVERPOOL, UNITED KINGDOM

Team member of INVEST project (Environment Agency): Investigating the vulnerability of estuarine water quality to climate change

- Building high resolution bathymetry of the English estuaries and quantifying estuarine geomorphometry
- Analyzing historical data and climate change projections for the English estuaries

UNIVERSITY TEACHING ASSISTANT – SCHOOL OF OCEAN SCIENCES, BANGOR UNIVERSITY – 2022 – BANGOR, UNITED KINGDOM

Assisting students during GIS and Statistics classes, Wheldon PC Lab, Bangor University, UK.

- Introduction to GIS, Advanced ArcGIS
- Basic Excel Skills practical, Plotting in Excel

POSTGRADUATE RESEARCHER (PHD STUDENT) – SCHOOL OF OCEAN SCIENCES, BANGOR UNIVERSITY – 01/11/2019 – 01/10/2024 – BANGOR, UNITED KINGDOM

Developing first-order perception of how coastal flood risks interact with environmental context, and how the risks will be moderated/exacerbated by sea-level rise, changing weather and land-use/geomorphic change, with practical emphasis on the Welsh coastline. Inundation models are developed for contrasting estuarine systems using LISFLOOD hydrodynamic model. Future risk modelled using UKCP18 climate and anthropogenic projections of extreme and low-probability futures. Satellite image analyses (SAR) for flood model validation.

GIS INSTRUCTOR – LIST LABS – 02/2020 – ZAGREB, CROATIA

3 day course on ArcGIS application in nature protection at the Ministry of Environmental Protection, Croatia

ASSOCIATE – CENTRE OF KARST AND COASTAL RESEARCH, UNIVERSITY OF ZADAR – 25/06/2017 – 25/06/2018 – ZADAR, CROATIA

The application of geospatial technologies in different fields

- Development of precision agriculture system at Baštica agricultural estate, Zadar County
- The application of close-range photogrammetry in documenting cultural and historical heritage - the example of Fortica fortress, Pag Island
- MCDA GIS analysis for ecotourism development in Botswana
- Bathymetry survey of the port of Ploče, Croatia

RESEARCH ASSISTANT – UNIVERSITY OF ZADAR, DEPARTMENT OF GEOGRAPHY – 01/11/2018 – 10/09/2019 – ZADAR, CROATIA

Working as a research assistant (PhD student) at Department of Geography in Geospatial Analysis Laboratory.

- Research project: Multiresolution Olive Landscape Modelling - Croatian Science Foundation Project:
 - Machine and Deep learning methods for detection of landscape elements using ultra-high resolutionsatellite images.
 - MCDA GIS analysis of land suitability for olive production
 - Digitization of old cadastre maps of Croatian coast and extracting agricultural lands

GIS DEMONSTRATOR – UNIVERSITY OF ZADAR, DEPARTMENT OF GEOGRAPHY – 10/2015 – 02/2016 – ZADAR, CROATIA

Assisting students during GIS classes - graduate study programme of Applied Geography

- Courses: GIScience, Digital Cartography

● EDUCATION AND TRAINING

01/11/2019 – 01/10/2024 Bangor, United Kingdom

PHD IN OCEAN SCIENCES Bangor University, Ocean Sciences

Developing first-order perception of how coastal flood risks interact with environmental context, and how the risks will be moderated/exacerbated by sea-level rise, changing weather and land-use/geomorphic change, with practical emphasis on the Welsh coastline. Inundation models are developed for contrasting estuarine systems using LISFLOOD hydrodynamic model. Future risk modelled using UKCP18 climate and anthropogenic projections of extreme and low-probability futures. Satellite image analyses (SAR) for flood model validation.

Website <https://www.bangor.ac.uk/courses/postgraduate-research/ocean-sciences-phd> | **Field of study** Earth sciences |

Level in EQF EQF level 8 |

Thesis Understanding drivers and pathways of (compound) flooding in estuaries: The importance of estuary shape

09/2014 – 03/2017 Zadar, Croatia

MASTER OF GEOGRAPHY Department of Geography, University of Zadar

Field of study Earth sciences | **Thesis** The effect of user defined parameters on the accuracy of digital terrain model

03/2016 – 05/2016 Ljubljana, Slovenia

ERASMUS+ STUDENT TRAINEE Department of Geography, Faculty of Arts

Advanced knowledge on GIS analysis, digital cartography and GIS web applications / maps.

- Using online professional tools (ArcGIS online) for creating web maps and applications.
- Testing and producing web application for crowd sourcing and collaborative mapping
- Working with high resolution LIDAR data

09/2016 – 09/2016 Graz, Austria

CEEPUS (GEOREGNET) SUMMER SCHOOL Department of Geography and Regional Science, University of Graz

Summer School - Geodesign - a new step towards an integrative Geography

01/10/2011 – 01/10/2014 Zadar, Croatia

BACHELOR IN GEOGRAPHY University of Zadar, Department of Geography

Undergraduate study programme of Applied Geography

● LANGUAGE SKILLS

Mother tongue(s): **CROATIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

Good communication skills gained as a:

- regular participant of scientific and expert conferences and meetings
- team member of several interdisciplinary projects
- PR activities
- student representative in Student council of the University of Zadar

● JOB-RELATED SKILLS

Job-related skills

- Mapping and advanced spatial analysis
 - ArcGIS Desktop, ArcGIS Online
 - SURFER Golden Software
 - QGIS
- Photogrammetry
 - Agisoft Metashape
- Digital terrain modelling
 - Spatial interpolation (ArcGIS Geostatistical Analyst)
 - Pixel size evaluation
- Satellite image processing
 - ERDAS Imagine
 - ArcGIS PRO (SAR toolset)
- Hydrodynamical modelling
 - LISFLOOD-FP, Ceasar LISFLOOD

- Delft 3D
- HEC-RAS + ArcGIS
- Data collection with geospatial technologies
 - RTK GPS
 - UAV missions
 - 3D handheld scanner
- Image manipulation, visualisation and drawing
 - GIMP, PPT
 - LUMION - landscape rendering software
 - Google SketchUp
- Statistical analyses, plotting
 - MS Excel
 - Matlab
- MS Office advanced usage

● PROJECTS

01/09/2025 – CURRENT

Remote sensing for the sustainable built environment (LIST LABS, FCEAG - Split, Croatia, Pinus Nigra, ESA)

Within this project the new course will be established at the Faculty of Civil Engineering, Architecture and Geodesy: Remote sensing for a sustainable built environment. The course will be offered to the students of several study programs while the role of LIST LABS in the project is to guide and educate the University staff in preparing EO/GIS course materials and syllabus.

- Tasks: Elaboration of the course syllabus; Preparatory actions for introducing the course; Developing EO/GIS teaching materials.

01/09/2025 – CURRENT

Development of University course “Space Earth Observation data in Geohazard monitoring” (LIST LABS, University North - Croatia, ESA)

ESA funded project between the University North (prime contractor) and the company LIST LABS d.o.o. (subcontractor) with the aim of establishing new university course in earth observation for geohazard monitoring.

- Tasks: Review of the learning materials developed by the University North, Varaždin (Croatia); consultation on the implementation of the course

01/05/2024 – 01/07/2025

Identifying climate change risks to water quality across English estuaries (INVEST) (Environment Agency, Bangor University, Liverpool University, UK)

Post-doctoral research project at the University of Liverpool

Activities:

- Building high resolution bathymetry of English estuaries (ArcGIS PRO)
- Quantifying estuary volumes for present and future SLR scenarios
- Modelling water quality in the future (DELFT 3D) - focus on the estuary residence time calculation

Link <https://research.bangor.ac.uk/en/projects/identifying-climate-change-risks-to-water-quality-across-english-estuaries/>

01/11/2019 – 15/01/2025

Coastal flooding: Using historical records to mitigate future risks (Bangor University, UK)

Research project (PhD) on the modelling of compound flooding in estuaries

Activities:

- Application of LISFLOOD-FP hydrodynamical model in compound flood modelling
- ArcGIS analysis and visualizations of estuarine flooding
- Literature research and thesis writing

01/11/2018 – 01/09/2019

Geospatial Analysis Laboratory (GAL) - Installation Research Project (University of Zadar; Croatian Science Foundation, Croatia)

Research Assistant on the GAL project

Activities:

- Work on foundations of the project
- Multi-resolution Olive Landscape Modelling

- Planning and performing field works with: UAV missions (Photogrammetry); RTK GPS mapping of olive trees, hand-held 3D scanning,
- Satellite image processing - object based detection of olive groves using multispectral images
- Project administration and public relations

2018

Development of a multi-criteria model for sustainable management – an example of a micro-location at the Skradinski buk, Krka National Park, Croatia

Research and fieldwork related to tuffa formation at Skradinski buk

Activities:

- Field work organisation
- UAV mission planning, RTK GPS in situ sampling
- 3D (dry) tuffa mapping with close range photogrammetry (Agisoft Metashape, Digital Camera)

2018

Development of a model for the valuation of the agricultural lands in Zadar County - Baštica agricultural estate (Croatia)

Research on the GIS implementation in agricultural land management

Activities:

- Field work organisation and assistance
- UAV mission planning, RTK GPS in situ sampling
- Vector analyses on agricultural land cadastre - merging, reshaping (ArcGIS)
- Paper edition and publishing, conference attendance

PUBLICATIONS

2026

Residence times of English estuaries

Clough, T.W., Robins, P., Lyddon, c., Furnish, A., Barada, M. ... & Orr, H.G., (2026). Residence times of English estuaries. paper in preparation (to be submitted soon to Water Research).

Authors: Clough, T.W., Robins, P., Lyddon, c., Furnish, A., Barada, M. ... & Orr, H.G.

INVEST: Investigating the vulnerability of estuarine water quality to climate change - Chief Scientist's Group report

Robins, P., Lyddon, C., Barada, M., Coxon, G., ... Orr, H. (2026). INVEST: Investigating the vulnerability of estuarine water quality to climate change. Chief Scientist's Group report. Environment Agency Horizon House, Deanery Road, Bristol.

Authors: Robins, P., Lyddon, C., Barada, M., Coxon, G., Clough, T., Devitt, L., Furnish, A., Hayes, N., Hutchings, A., Orr, H. |

Publisher: Environment Agency Horizon House, Deanery Road, Bristol

2026

Combining moored observations and Sentinel - SAR in validating compound flood models

Barada et al. 2026. Combining moored observations and SAR images in validating compound flood models, Geomatics, Natural Hazards and Risk

Authors: Barada, M., Skov, M., Lewis, M., Robins, P. | **Journal Name:** Geomatics, Natural Hazards and Risk | **Publisher:** Taylor and Francis

2025

Climate change likely to intensify storm-driven compound flooding in an exemplar UK estuary

Lyddon, C., Barada, M., Devitt, L., ... Robins, P. (2025): Climate change likely to intensify storm-driven compound flooding in an exemplar UK estuary, Earth's Future

Authors: Lyddon, C., Barada, M., Devitt, L., ... Robins, P. | **Journal Name:** Earth's Future | **Publisher:** AGU

2025

Understanding Drivers and Pathways of Compound Flooding in Estuaries: The Importance of Estuary Shape

PhD Thesis

Barada, M. (2025): Understanding Drivers and Pathways of Compound Flooding in Estuaries: The Importance of Estuary Shape. 10 Mar 2025. School of Ocean Sciences, Bangor University

Authors: Mirko Barada

2020

Geographical aspects of the valuation of the Polača Municipality natural resources

Barada, M. & Perić, Z. (2020): Geographical aspects of the valuation of the Polača Municipality natural resources. Proceedings of the scientific meeting 'Polački kraj u prošlosti i sadašnjosti', Polača (Croatia). May 7, 2016: Edition 1

Authors: Barada, M. & Perić, Z. | **Journal Name:** Proceedings of the scientific meeting 'Polački kraj u prošlosti i sadašnjosti', Polača (Croatia) | **Volume, Issue and Pages:** May 7, 2016: Edition 1 | **Publisher:** Matica Hrvatska - Zadar

2019

Land Suitability Zoning for Ecotourism Planning and Development of Dikgatlong Dam, Botswana

Cavrić, B., Šiljeg, A., Marić, I., Šiljeg, S., Barada, M. (2019): Land Suitability Zoning for Ecotourism Planning and Development of Dikgatlong Dam, Botswana, Geographica Pannonica, 23, 2; 76-86.

Authors: Cavrić, B., Šiljeg, A., Marić, I., Šiljeg, S., Barada, M. | **Journal Name:** Geographica Pannonica | **Volume, Issue and Pages:** 23, 2; 76-86.

GIS modelling of bathymetric data in the construction of port terminals – An example of Vlaška channel in the Port of Ploče, Croatia

Cavrić, B., Šiljeg, A., Marić, I., Barada, M. (2019): GIS modelling of bathymetric data in the construction of port terminals – An example of Vlaška channel in the Port of Ploče, Croatia, International Journal for Engineering Modelling, 32, 1; 17-37.

Authors: Cavrić, B., Šiljeg, A., Marić, I., Barada, M. | **Journal Name:** International Journal for Engineering Modelling | **Volume, Issue and Pages:** 32, 1; 17-37.

2018

The effect of user-defined parameters on DTM accuracy—development of a hybrid model

Šiljeg, A., Barada, M., Marić, I. (2018): The effect of user-defined parameters on DTM accuracy—development of a hybrid model, Applied Geomatics 10 (7), 1-16.

Authors: Mirko Barada, Ante Šiljeg, Ivan Marić, Vlatko Roland | **Journal Name:** Applied Geomatics | **Volume, Issue and Pages:** 10 (7), 1 - 16. | **Publisher:** Springer

2018

Application of integrated geo-technologies in agricultural land planning and management - a case study of agro estate "Baštica"

Šiljeg, A., Cavrić, B., Marić, I., Barada, M., Šiljeg, S. (2018): Application of integrated geo-technologies in agricultural land planning and management - a case study of agro estate "Baštica", Izgradnja, 72 (2018), 11-12; 576-586.

Authors: Šiljeg, A., Cavrić, B., Marić, I., Barada, M., Šiljeg, S. | **Journal Name:** Izgradnja | **Volume, Issue and Pages:** 72 (2018), 11-12; 576-586

2017

The Impact of User-Defined Parameters on The Accuracy of Digital Terrain Model

Barada, M. (2017): The Impact of User-Defined Parameters on The Accuracy of Digital Terrain Model. Master Thesis. University of Zadar, Croatia.

Authors: Barada, M. | **Publisher:** University of Zadar

2014

Potencijal igranog filma u turističkoj promidžbi Republike Hrvatske

Barada, M. (2014): Potencijal igranog filma u turističkoj promidžbi Republike Hrvatske, Pangea, Vol. 3

Authors: Mirko Barada | **Journal Name:** Pangea – časopis Udruge studenata geografije Zadar | **Volume, Issue and Pages:** Vol. 3 | **Publisher:** University of Zadar

● BOOKS

02/2018

Digital Terrain Modelling

Šiljeg, A., Barada, M., Marić, I. (2018): Digitalno modeliranje reljefa, Sveučilišni priručnik, Sveučilište u Zadru, Alfa d.d., Zagreb.

Publisher: Alfa d.d. Zagreb and University of Zadar, Croatia

Link <https://www.alfa.hr/artikl/info/5ab26833a9799d766afefc90>

● CONFERENCES AND SEMINARS

16/12/2025 – 18/12/2025 Online

Ocean Sessions - Water Pollution

Two-day online training session exploring how the Copernicus Marine Service data contribute to gaining insights on **water pollution** and developing tools to address it.

A practical session on 18th December was dedicated to live tutorials on how to work with the data using:

- Python (Jupyter Notebooks)
- QGIS
- R Studio

Link <https://events.marine.copernicus.eu/ocean-session-water-pollution>

03/2025 Vienna, Austria

EGU General Assembly 2025

Presentation: Vulnerability of estuarine water quality to climate change (Robins, P., Lyddon, C., Coxon, G., Clough, T., Furnish, A., Barada, M., Devitt, L., Coulthard, T., Jones, D., Barkwith, A., Fung, F., Hayes, N., Hutchings, A., and Orr, H.)

Link <https://doi.org/10.5194/egusphere-egu25-9975>

04/2024 Vienna, Austria

EGU General Assembly 2024

Presentation: The Increasing Impact of Climate Change on coastal-fluvial Extremes and Severity of Compound Flood Events in UK Estuaries (Robins, P., Lyddon, C., Nguyen, C., Vasilopoulos, G., Barada, M., Barkwith, A., ... & Coulthard, T.)

Poster: Use of Sentinel-1 SAR data in assessing the accuracy of LISFLOOD-FP in modelling (compound) flooding in estuaries (Barada, M., Robins, P., Skov, M., & Lewis, M.)

Links <https://www.research.ed.ac.uk/en/publications/the-increasing-impact-of-climate-change-on-coastal-fluvial-extrem> | <https://ui.adsabs.harvard.edu/abs/2024EGUGA..2613318B/abstract>

23/04/2023 – 28/04/2023 Vienna, Austria

EGU General Assembly 2023

Regular attendance

07/2022 Birmingham, UK

Constructing a Digital Environment (CDE22)

Presentation: Is estuary shape important for (compound) flooding in estuaries? (co-authors: Robins, Peter; Skov, Martin, Lewis, Matthew)

Link <https://digitalenvironment.org/events/conference-2022>

05/2022 Vienna, Austria

EGU General Assembly 2022

Presentation: The importance of estuary shape in evaluating the flood risk in estuaries. (co-authors: Robins, Peter; Skov, Martin, Lewis Matthew)

Link <https://research.bangor.ac.uk/en/publications/the-importance-of-estuary-shape-in-evaluating-the-flood-risk-in-e>

03/2022 Bournemouth University, UK

16th UK Young Coastal Scientists and Engineers Conference 2022

Presentation: Flood scenario modelling in estuaries based on different management strategies. (co-authors: Robins, Peter; Skov, Martin, Lewis, Matthew)

Link <http://www.ycsec2020.co.uk/index.html>

11/2021 Machynlleth, UK

Wales Ecology & Evolution Network Conference 2021

Presentation: Modelling Different Flood Management Scenarios in Estuaries. (co-authors: Robins, Peter; Skov, Martin)

Link https://ween.wales/wp-content/uploads/2023/06/WEEN-2021-Programme_v3.pdf

11/2020 Online

GIS Day 2020 by CROGIS

Presentation: Modelling Compound Flooding in Estuaries (co-authors: Robins, Peter; Skov, Martin; Lewis, Matt)

06/2019 Sofia, Bulgaria

5th Jubilee International Scientific Conference GEOBALCANICA

Presentation: Spatio-temporal transformation of religious landscape of Bosnia and Herzegovina: the city of Mostar as an example of territorialization of ethno-religious identities (co-authors: Botić, J., Hayden R. J., Katić, M., Šiljeg, A.)

04/2019 Bournemouth, UK

Travel and Tourism Research Association 2019

Presentation: Land Suitability Zoning for Ecotourism Planning and Development of Dikgatlong Dam, Botswana (co-authors: Šiljeg, A., Cavrić, B., Marić, I., Šiljeg, S.)

11/2018 Zadar, Croatia

International Expert Meeting: GIS Day Zadar 2018

Presentation: Producing 3D human body model by hand held 3D scanner (co-author: Fran Domazetović)

09/2018 Zagreb, Croatia

14th International Conference on Geoinformation and Cartography

Presentation: Application of Photogrammetry in Documenting Cultural and Historical Heritage – the Example of Fortica Fortress on the Island of Pag (co-authors: Marić, I., Šiljeg, A.)

10/2017 Gaborone, Botswana

Botswana Institution Of Engineers 15th International Biennial Conference

Botswana Institution Of Engineers 15th International Biennial Conference, Gaborone, Botswana, 17. – 19. 10. 2017.

Presentation 1: Development of a Precise Agriculture System at Agricultural Estate “Baštica”, Croatia (co-authors: Marić, I.; Cavrić, B.; Šiljeg, S.)

Presentation 2: The Importance of Bathymetric Measurement in The Construction of Port Terminals: The Example of The Port of Ploče (Vlaška channel) (co-authors: Marić, I.; Cavrić, B.)

05/2016 Polača, Zadar County, Croatia

Polača Municipality - in the past and present

Polački kraj u prošlosti i sadašnjosti, Ogranak Matice Hrvatske u Zadru, Sveučilište u Zadru, Polača, 7. svibnja 2016.

Presentation: Geographical aspects of the valuation of the Polača natural resources Polača (co-author: Perić, Z.)

09/2015 Trogir, Croatia

6th Croatian Geographical Congress - Integrative and Applied Research in Space

6. hrvatski geografski kongres, Integrativna i primijenjena istraživanja u prostoru, Hrvatsko geografsko društvo, Trogir, 29. rujna – 2. listopada 2015.

Presentation: Computer Literacy in the region of Dalmatia (co-authors: Perić, Z. i Bradaš, B.)

● KEYNOTE LECTURES

2019

Multi-resolution landscape modelling by using modern geospatial technologies + Demonstration of 3D scanning of human body

Višerezolucijsko modeliranje krajobraza primjenom suvremenih geoprostornih tehnologija, Dan precizne poljoprivrede, Fakultet agrobiotehničkih znanosti u suradnji s CLAAS Regional Center Central Europe GmbH, Osijek, 2019. (co-presenters: Domazetović, F., Marić I. i Šiljeg, A.)

● WORKSHOPS

11/2021

CRO GIS Day 2021

CRO GIS Day 2021, Webinar series (expert meeting) Online, 17.11.2021.

Organiser and GIS instructor:

- Modelling Coastal Flooding in LISFLOOD-FP and ArcGIS

Link <https://www.crogis.hr/i-ove-godine-organiziramo-cro-gis-dan>

10/2021

Coastal Ecology Workshop 2021

Coastal Ecology Workshop 2021 - University of Hamburg, Germany, 18.10.-21.10.2021.

Active participant:

- Poster presentation: Understanding Drivers and Pathways of Flooding in Estuaries
- Virtual field excursion to MERIT experimental site

08/2021

Research Summer Camp „Future use and protection of coasts“

Research Summer Camp „Future use and protection of coasts“, University of Rostock, August 2021, Online

Active participation on the workshop.

Link <https://www.uni-rostock.de/en/internationales/rostock-international-house/sommerschulen-alt/rscr/research-summer-camp-2021>

02/2021

Introduction to ArcGIS

Introduction to ArcGIS, Ministry of Economy and Sustainable Development, Zagreb, Croatia

GIS Instructor for LI:ST Geoinformatics:

- Introduction to GIS
- Guidebook preparation and publishing

03/2019

Photogrammetry - Theory and Practice

Photogrammetry - Theory and practice, University of Zadar, dr. Kotaro Yamafune, A.P.P.A.R.A.T.U.S.

Active participation:

- Principles of digital camera and close range photogrammetry
- Principles of underwater photogrammetry
- Agisoft Metashape basic and advanced courses
- Field work over city of Zadar

11/2018

GIS Day 2018 - GIS Workshop

International expert meeting: GIS Day 2018, Zadar, November 2018.

Key organiser, lecturer and GIS instructor:

- Introduction to ArcGIS: Production of the basic digital terrain model of Croatia

Link <https://geografija.unizd.hr/obavijesti/view/gis-dan-2018>

04/2018

The role of geospatial technologies in a modern society, STEM week Zadar

“Uloga geoprostornih tehnologija u informacijskom društvu”, STEM tjedan u Zadru, Sveučilište u Zadru, Zadar, 26. 4. 2018.

Lecturer and GIS instructor:

- Making physical map of the Republic of Croatia in QGIS

08/2016

ZADAR 2020, City and its hinterland

“ZADAR 2020, Grad i njegovo zaleđe”, Odjel za turizam i komunikacijske znanosti, Sveučilište u Zadru i Arhitektonski fakultet Sveučilišta u Zagrebu; Zadar, Croatia, 22. – 29. 8. 2016.

Active participation:

- Designing an innovative spatial concept/ architectural site that will help to revitalise Zadar's hinterland
- Presentation: Speculum Astronomicum - space tourism concept

Link https://issuu.com/afzg/docs/digitalna_zadar2020_objava_web_page

● **SKILLS**

GIS & Remote Sensing | DJI DRONE | UAV Driving licence | Matlab/Simulink | 3D modelling/ 3D printing | LISFLOOD-FP | Flood Modelling | Sar Processing (SNAP) | Microsoft Office package: Microsoft Word, Excel, PowerPoint, Access

● **NETWORKS AND MEMBERSHIPS**

2022 – CURRENT United Kingdom

Estuarine & Coastal Sciences Association (ECSA)

Link <https://ecsa.international>

2020 – CURRENT Split, Croatia

Center for Sustainable Development with GIS technology (CROGIS)

Link <https://www.crogis.hr>

Zagreb, Croatia

Croatia Cartographic Society

Link <https://www.kartografija.hr>

2011 – 2018 Zadar Croatia

Croatian Geographic Society Zadar

Link <https://www.hgd-zadar.hr>

2014 – 2017 Zadar, Croatia

EGEA – European Geography Association for students & young geographers - Zadar

Link <https://egea.eu>

● **HONOURS AND AWARDS**

Honours and awards

2016 - Rector Award, University of Zadar - for the excellent results achieved in 2015/16

2016 - Departmental Award, Department of Geography, University of Zadar - for the excellent results achieved during 2015/16

2016 - Scholarship of the University of Zadar

2015 - Departmental Award, Department of Geography, University of Zadar, for the excellent results achieved during 2014/15

2015 - Scholarship of the University of Zadar

2014 - Scholarship of the Seget Municipality

I hereby declare that all the information provided above is correct to the best of my knowledge and belief. Copies of the awards and certificates can be delivered upon request.

Trogir , 06/05/2026



Dr Mirko Barada