PERSONAL INFORMATION	**OLIMPIA COPĂCENARU**

📍 Bucharest, Romania

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Sex Female | Date of birth 25/08/1993 | Nationality Romanian

EDUCATION AND TRAINING

2017–Present	PhD studies	EQF level 8
	University of Bucharest - Faculty of Geography, Bucharest (Romania)	

2015–2017	Master degree in GIS (Geographic Information Systems)	EQF level 7
	University of Bucharest - Faculty of Geography, Bucharest (Romania)	

2016–2016	Erasmus+ Mobility	EQF level 7
	Universidad de Córdoba, Facultad de Ciencias – Ciencias Ambientales, Córdoba (Spain)	

2015–2017	Certification Courses for Teaching - Level II (thoroughgoing studies)	
	University of Bucharest - Faculty of Psychology and Educational Sciences, Teachers' Training Department, Bucharest (Romania)	

2012–2015	Bachelor degree (Graduate studies) in Geography	EQF level 6
	University of Bucharest - Faculty of Geography, Bucharest (Romania)	

2012–2015	Certification Courses for Teaching - Level I (basic)	
	University of Bucharest - Faculty of Psychology and Educational Sciences, Bucharest (Romania)	

WORK EXPERIENCE

07/2018–Present	Research Assistant
	CICADIT (The Interdisciplinary Center for Advanced Researches on Territorial Dynamics), Bucharest (Romania)

02/2017–Present	GIS and Remote Sensing Analyst
	Terrasigna SRL, Bucharest (Romania)

PERSONAL SKILLS

Foreign language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
	Cambridge Advanced Exam (CAE) - C1				
Spanish	C2	C2	C2	C2	C2
	Erasmus+ OLS – Online Language Support – Language Assessment in Spanish				
French	B2	B2	B1	B1	B1
Italian	B1	B1	A2	A2	A2

Organisational / managerial skills

- 2019: Member of the Organizing and Workshop Committees (BLOC) of the *FOSS4G (Free and Open Source Software for Geospatial) 2019 Bucharest Conference*.

Job-related skills

- Technical Skills: use of equipment and devices for measuring environmental quality parameters (air quality, noise, water quality) / orientation in the field (GPS).
- Skills in field orientation, analysis of relief, geomorphological processes, climate, hydrology, flora and fauna.

Digital skills

ECDL Complet Diploma (European Computer Driving Licence) – good command of the Office suite (Word, Excel, PowerPoint, Access), good knowledge of general concepts related to Informatic Technology (IT), very good skills of using the Internet.

- GIS and Remote Sensing software: ArcGIS 10, 10.2, 10.3, 10.4; ArcGIS Pro; ArcGIS Online; QGIS 1.8 - 2.18, 3.6; OpenJUMP; uDig; GeoMapApp; MapAnalyst; SAGA GIS 2.2 - 7.1; Global Mapper 13 - 19; TileMill; GRASS GIS; VTP; Carto DB / Carto; LEOWORKS 4 - 4.3; ENVI 4.7 – 5.1; SNAP; Mission Planner, Agisoft PhotoScan; Fugro Viewer; HEC-RAS; PostGIS – PostgreSQL; gvSIG; SEVEIF, Google Earth Engine.
- Statistical analysis software: Grapher 11 - 12, R Studio / R Statistics, Easy Fit, Surfer 13, programming modules in Microsoft Excel / Microsoft Visual Basic.
- Photo editing software: CorelDRAW X5 - X8, Inkscape, PhotoSCAPE; basic knowledge of Adobe InDesign.
- Good command of Microsoft Office, Open Office, Libre Office, Google Drive suite.
- Basic knowledge of C ++, SQL, HTML programming languages; basic knowledge of JavaScript, GeoServer, Oracle VM VirtualBox. Basic Python and Julia programming skills.

ADDITIONAL INFORMATION

Presentations at Conferences / Symposiums

- May 2019, ESA Living Planet Conference, Milan, Italy: Copăcenaru O., Flueraru C., *'Regional-Scale Assessment of Arable Land Fragmentation / Land Consolidation Trends Using Pixel-Based and Object-Based Techniques Applied to Multi-Resolution Earth Observation Data Series'*, poster presentation.

- May 2019, ESA Living Planet Conference, Milan, Italy: Copăcenaru O., Cucu-Dumitrescu C., Stoica A., Șerban F., Flueraru C., *'Fuzzy Based Technology for Crop Detection Within the Framework of EU Common Agriculture Policy (CAP)'*, poster presentation.

- May 2019, ESA Living Planet Conference, Milan, Italy: Flueraru C., Copăcenaru O., *'Assessment of Land Use and Forestry Dynamics within Bolivian Indigenous Community Titled Plots based on Multi-Scale Land Cover Products'*, poster presentation.

- November 2018, ESRIN, Frascati, Italy: The ESA Earth Observation Φ-week *'EO Open Science and Future EO'*, Copăcenaru O., Flueraru C., *'The Use Of Earth Observation Data In Assessing The Dynamics Of Land Fragmentation In Romania During The Past 30 Years'*, oral presentation.

- November 2018, ESRIN, Frascati, Italy: The ESA Earth Observation Φ-week *'EO Open Science and Future EO'*, Budileanu M., Cucu-Dumitrescu C., Copăcenaru O., *'Fuzzy Based Technology for Automatic Monitoring of Tree Loss and Gain in Forest Areas – case study Romania'*, oral presentation.

- October 2018, ESRIN, Frascati, Italy: 2nd Mapping Urban Areas from Space Conference 2018, Flueraru C., Copăcenaru O., *'Urban Expansion Monitoring Using Multi-Source Earth Observation Data in La Paz - El Alto, Bolivia'*, poster presentation.

- October 2018, Toulouse, France: Copernicus Global Land User Conference, Flueraru C., Copăcenaru O., Budileanu M., *'Assessment of Land Use and Forestry Dynamics within Bolivian Indigenous Community Titled Plots based on the ESA-CCI Land Cover Datasets'*, oral presentation.

- October 2018, Bucharest, Romania: geo-spatial.org Seminars, Copăcenaru O., Burlacu R., *'Parcelele de teren deținute de indigenii bolivieni – Utilizarea terenului și dinamică forestieră'* - *'Land parcels owned by Bolivian indigenous communities - Land Use and Forest Dynamics'*, oral presentation.

- May 2018, Iași: PESD 2018 - International Symposium *'Present Environment and Sustainable Development'*, Copăcenaru O., *'Analysis of the dynamics of agricultural landscapes in Romania in the post-communist period. Methodology and preliminary results'*, oral presentation.

- April 2018, Cluj-Napoca: geo-spatial.org Seminars, Copăcenaru O., Anghelin G., Burlacu R., *'Utilizarea datelor de Observare a Pământului în analiza dinamicii peisajelor agricole din România'* - *'The use of Earth Observation data in the analysis of agricultural landscapes dynamics in Romania'*, oral presentation.

- April 2018, Cluj-Napoca: geo-spatial.org Seminars, Burlacu R., Anghelin G., Copăcenaru O., Cucu-Dumitrescu C., *'Dinamica arealelor acoperite cu vegetație forestieră în România în ultimii 30 de ani'* - *'Assessment of the forest dynamics in Romania in the past 30 years'*, oral presentation.

- December 2017, Bucharest: Young Researchers' Workshop, Copăcenaru O., Pantan R., *'Dinamica procesului de fragmentare / comasare a terenurilor arabile în perioada*

postdecembristă în judeţul Ilfov' - *'The dynamics of land fragmentation / land consolidation in the post-communist period in Ilfov County, Romania'*, oral presentation, 1st prize.

▪ November 2017, Bucharest: Yearly Conference of the Faculty of Geography, University of Bucharest *'Geographical Sciences and Future of Earth'*, Copăcenaru O., Pantan R., *'Utilizarea imaginilor satelitare în evaluarea dinamicii utilizării şi acoperirii terenurilor în perioada post-comunistă în judeţul Ilfov'* - *'The use of satellite imagery in assessing land use / land cover dynamics in the post-communist period in Ilfov County, Romania'*, oral presentation.

▪ October 2017, Bucharest: International Conference *'Industrial Heritage - Conservation, Cultural Promotion and Intelligent Reuse'* - Third Edition, Copacenaru O., *'Spatial distribution of industrial heritage in Romania and the opportunities to tap its potential in relation to the current tourist infrastructure'*, oral presentation.

▪ September 2017, Iași: International Symposium of GIS and Remote Sensing, Pantan R., Copăcenaru O, *'Evaluation of land use and land cover dynamics in the post-communist period in Ilfov county, Romania'*, oral presentation.

▪ September 2017, ESRIN, Frascati, Italy: Earth Observation Open Science 2017 – *'Data Analytics'* Session, Flueraru C., Șerban I., Constantin S., Șerban F., Budileanu M., Copăcenaru O. – *'Wetlands Monitoring – Lake Titicaca South-East Basin'*, oral presentation.

▪ May 2017, Constanţa: *'Constantin Brătescu'* National Conference, Copăcenaru O., *'Evoluţia ţărmurilor Constanţei – O abordare actuală'* - *'The evolution of the shores of Constanţa – a current approach'*, oral presentation, 3rd prize.

▪ May 2017, Târgoviște: 4th International Conference *'Geography, Environment and GIS'* for students and young researchers, Copăcenaru O., *'Past and resent morphodynamics of the shores of the Black Sea in Constanta, Romania'*, oral presentation.

▪ March / April 2017, Cluj-Napoca: geo-spatial.org Seminars, Copăcenaru O., *'Reprezentări ale litoralului dobrogean în produsele cartografice medievale de tip portulan. O abordare actuală'* - *'Representations of Dobrogea's shores in medieval cartographic products called portolan charts. A current approach'*, oral presentation.

▪ November 2016, Timișoara: geo-spatial.org Seminars, Copăcenaru O., *'Reprezentări ale bazinului Mării Negre în portulanele medievale - Un periplu cartografic'* - *'Representations of the Black Sea Basin in medieval portolan charts - A cartographic journey'*, oral presentation.

▪ September 2016, Tulcea: 3rd International Conference *'Water resources and wetlands'*, Moroșanu A.G., Donțu S., Copăcenaru O., Gavril V., Beloiu M., Zaharia F.A., Cârstea E., *'Evaluation of the anthropogenic impact of water quality of Dambovita River'*, oral presentation.

▪ May 2015, Craiova: National Conference of the Romanian Geographical Society, Moroșanu A.G., Petcu M., Zaharia F.A., Voicu R., Copăcenaru O., *'Utilizarea platformei <> - resursă pentru pregătirea elevilor participanţi la Olimpiada de Geografie'* - *'Using <> platform as a resource to prepare students for the Geography Olympiad'*, oral presentation.

▪ March 2015, Bucharest: National Symposium of Geography Students, 22nd edition, Moroșanu A. G., Copăcenaru O., Gavril V., Beloiu M., Zaharia A.F., *'Studiu privind calitatea apei râului Dâmbovița între uzina de apă Roşu şi staţia de epurare Glina'* - *'Study on Water Quality of the Dambovita River between Rosu Water Treatment Plant and Glina Wastewater Treatment Plant'*, oral presentation.

- December 2014, Bucharest: '*Industrial Heritage - Conservation, Cultural Promotion and Smart Reuse*' Workshop, Copăcenaru O., '*Fabrica de Hârtie din Bușteni. Între abandon și scenarii de conversie funcțională*' - '*Bușteni Paper Mill. Between abandonment and industrial conversion scenarios*', oral presentation.

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<td>Seminars, Training Courses and Summer School (as Participant)</td>
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- February 2019, Constanta: *COST OceanGov – Land-Sea Interactions Training School. Analysing the interdependencies of land and sea*

- October 2018, Bucharest: geo-spatial.org Seminars (*EO data processing through the use of Earth Engine Code Editor, Creating WEBGIS Applications*)

- July / August 2018, Frascati, Italy: *ESA Earth Observation Summer School `EarthSystem Monitoring and Modelling*.

- June 2018, Zagreb, Croatia: *TAT-6–Trans-Atlantic Training 2018–Integration of Radar and Optical Remote Sensing in Studying Land Cover / Land Use Change*.

- April 2018, Cluj-Napoca: geo-spatial.org Seminars (*Unsupervised land cover classifications using QGIS – SCP and R – R Studio, Creating interactive maps using QGIS2WEB*).

- November 2017, Athens: Seminar '*Cropland mapping from free multi-temporal satellite images*', GetMap, University of Twente.

- November 2017, Timișoara: geo-spatial.org Seminars (*Earth Observation Data Access, Creating Infographics using QGIS and Inkscape*).

- October 2017, Bucharest: geo-spatial.org Seminars (*SCP - Extracting spatial linformation from medium and high resolution satellite imagery in open-source environment using supervised classifications*).

- March / April 2017, Cluj-Napoca: geo-spatial.org Seminars (*Sentinel 2 Imagery–From acquisition to results and cartographic representations, Implementing Data Models in QGIS, Statistics, charts and maps in R – Rstudio*).

- November 2016, Bucharest: *Illustrative Cartography Workshop*, organized by Michelin Romania.

- November 2016, Timișoara: geo-spatial.org Seminars (*Interactive visualization ofgeospatial data on the Web using CARTO, RSQLite - accessing, querying and modifying data in a relational SQLite database using the R language, QGIS Print Composer - Open Source Strikes Back*).

- October 2016, Bucharest: geo-spatial.org Seminars (*Automating the production of mapsin QGIS, with Atlas, Processing satellite images in SNAP*).

- June 2016, Córdoba: El Seminario '*Contribución de la agricultura de conservación y lossistemas agroforestales a la mitigación del cambio climático*' (The Seminar '*Contribution of conservation agriculture and agroforestry systems to the mitigation of climate change*').

- November 2015, Timișoara: geo-spatial.org Seminars (*Processing Sentinel 2 Satellite Imagery in SNAP, Tips & tricks in QGIS for handling satellite-based data, Mapping of flood affected areas using satellite data and open / open-source software*).

- July 2015, Bucharest: *CCMESI Summer School–2nd edition. Practical methods for assessing the state of the environment*.

- April 2015, Cluj-Napoca: geo-spatial.org Seminars (*CartoDB – Online maps,Georeferencing Historical Maps, Publishing a Geospatial Portal Using Cartaro*).

- November 2014, Bucharest: *Sponge Media LAB Workshop*.

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- November 2014, Timişoara: geo-spatial.org Seminars (*GRASS GIS: Introduction to Graphical Modeler, Building Dynamic Maps Using Static Files*).
- July 2014, Bucharest: *Sponge Media LAB Workshop*.
- April 2014, Cluj-Napoca: geo-spatial.org Seminars (*Introduction to VTP – 3D Exploration of Geographical Reality, GRASS GIS: Designing, Processing, Analysing and Visualizing Geospatial Data*).
- November 2013, Timişoara: geo-spatial.org Seminars (*Introduction to Leaflet, Creating,Processing, Analyzing and Publishing Geospatial Information Using Open-Source GIS Solutions*).
- June 2013, Bucharest: *FOSS4G Central and Eastern Europe Conference*.
- April 2013, Cluj-Napoca: geo-spatial.org Seminars (*Satellite Images Processing Using Leoworks 4, Introduction to GRASS GIS and POSTGRESQL / POSTGIS, Using the WRF Model in the Operational Weather Forecast, Designing Maps Using TileMill*).

Seminars, Training Courses (as Trainer)

- October 2018, Bucharest: geo-spatial.org Seminars (*EO data processing through the use of Earth Engine Code Editor*).
- April 2018, Cluj-Napoca: geo-spatial.org Seminars (*Unsupervised land cover classifications using QGIS – SCP and R – R Studio*).
- November 2017, Timişoara: geo-spatial.org Seminars (*Creating Infographics using QGIS and Inkscape*).
- October 2017, Bucharest: geo-spatial.org Seminars (*SCP - Extracting spatial information from medium and high resolution satellite imagery in open-source environment using supervised classifications*).
- June 2017, Bucharest: Universitatea Copiilor ('Children University') ('*La pas prin Romania. Sa ne cunoastem tara prin joc!'- 'Visiting Romania. Getting to know our country through games'*)

Research Projects

- June 2018 – Present: Bridging the gaps: *Creating an innovative and operational participatory platform for linking science, stakeholders and legislation to maritime spatial planning success in Romania*, CICADIT - The Interdisciplinary Center for Advanced Research on Territorial Dynamics, University of Bucharest – Faculty of Geography, UEFISCDI project.
- January 2018 –Present: *DataBio – Data-driven Bioeconomy: Big Data for Agriculture, Forestry and Fishery*, TERRASIGNA.
- January 2018 - Present: *SPERO – Space technologies used in the management of disasters and major crises, manifested at local, national and regional levels*, ICI, TERRASIGNA, ROSA - Romanian Space Agency, UEFISCDI project.
- January 2018 - Present: eVADE - *Interactive Visual Analysis Tool for Earth Observation Data*, TERRASIGNA, European Space Agency - ESA under the Romanian Industry Incentive Scheme.
- January 2018 - Present: *FORESTMON - NETIO - Experimental Software System in Cloud Architecture for the Monitoring of Wooden Vegetation Coverage*, UPB, TERRASIGNA.
- January 2018 - Present: *LeoWorks* - Software development.

- August 2017 - Present: *STAR - TEC-MO-FOR - Technology for Automatic Monitoring of Tree Loss and Gain in Forest Areas,* TERRASIGNA, ROSA – Romanian Space Agency.

- August 2017 - Present: *STAR - TEC-LAND – Technology for using Copernicus data to survey the dynamics of Romanian agricultural landscape in the context of economic transition and Common Agricultural Policy*, TERRASIGNA, ROSA – Romanian Space Agency.

- August 2018 - December 2018: *STAR SSEDAC - Semantic Sentinel Data Access Exploitation Platform*, TERRASIGNA, ROSA – Romanian Space Agency.

- August 2017 - November 2018: *STAR DROUGHTSAT - Developing a technology to combat drought forecasted at national level by using satellite, observational and climate model data*, INCDPM, TERRASIGNA, INMA, ROSA – Romanian Space Agency.

- February – September 2017: *EOSID – Earth Observation Services Supporting International Development Banks Projects*, ESA – ESRIN, TERRASIGNA.

- February – September 2017: *EODAT – Expansion of EU Uptake in Developing Countries*, ESA – ESRIN, TERRASIGNA, GISAT, TREEMETRICS, UCC.

- February – September 2017: *National pilot project for Monitoring Forested Areas*, TERRASIGNA.

- February – September 2017: *STAR - AGRI-BIS – Model of online service for the management of agricultural activities*, TERRASIGNA, ROMSPACE - Romanian Association for Space Technology and Industry, ROSA – Romanian Space Agency.

- December 2014 – April 2015: *Young teams of researchers* Project - First Edition - *'Study on Water Quality of the Dambovita River between Rosu Water Treatment Plant and Glina Wastewater Treatment Plant'*, C.C.M.E.S.I. – Center for Environmental Research and Impact Studies, Bucharest.

- April 2015: Co-founder of the project '*geolimpiada.com*'.

- August – September 2013: *Interdisciplinary Practice in Hateg Country*, The Hateg Country Dinosaurs Geopark (administered by the University of Bucharest), Hateg, Hunedoara (Romania).

Other Courses (MOOC - Massive Open Online Courses, Webinars)

GIS / Remote Sensing / Informatics Courses / MOOCs:

- September – October 2017: MOOC '*Earth Observation from Space*', ESA – European Spatial Agency, Future Learn.

- September – October 2017: MOOC '*Earth Imagery at Work*', ESRI, Udemy.

- September – October 2017: MOOC '*Do-It-Yourself Geo-Apps*', ESRI, Udemy.

- April – June 2017: Distance Learning Course Webinar Series on *SAR Data Processingand Applications, Working Group on Capacity Building & Data Democracy (WGCapD)*, Committee on Earth Observation Satellites (CEOS), Indian Space Research Organisation (ISRO).

- October 2015: '*Going Places with Spatial Analysis*', MOOC, ESRI, Udemy.

- October 2015: '*Fuentes de información geográfica para SIGs ambientales- onlinecourse*' ('Geographical information sources for environmental GIS - online course') , MOOC, Udemy.

- October 2015: '*Master Website Development Using HTML & CSS - Spanish onlinecourse*', Erudeversity Video Library, Udemy.
- March 2015: '*Geospatial Intelligence & the Geospatial Revolution*' MOOC, Pennsylvania State University (Statement of Accomplishment with Distinction).
- January 2015: '*(Q)GIS Trainings: Functionality vs. Application*' Webinar, ICA-OSGeo Lab Network, MundoGEO.
- December 2014: '*From GPS and Google Maps to Spatial Computing*' MOOC, University of Minnesota (Statement of Accomplishment with Distinction).
- October 2014: '*European Location Framework*' Webinar, GeoSUR, MundoGEO.
- September 2014: '*Introducing the QGIS Academy Project*' Webinar, ICA-OSGeo Lab Network, MundoGEO.
- September 2013: '*Maps and the Geospatial Revolution*' MOOC, Pennsylvania State University (Statement of Accomplishment with Distinction).

Geography and Environment Courses / MOOCs:

- December 2016: '*Conocer el Mediterráneo (2.ª edición)*', Universidad de Málaga, MiríadaX.
- August 2015: '*Introductory e-Course on Climate Change*', MOOC, UN CC:Learn, United Nations Institute for Training and Research.
- October 2014: '*The Dynamic Earth: A Course for Educators*', MOOC, American Museum of Natural History (Statement of Accomplishment with Distinction).