EUROPEAN CURRICULUM VITAE FORMAT

PERSONAL INFORMATION

Name	FLORIN IOSUB
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Nationality	Romanian
Date of birth	10.02.1980

POSITION **GIS EXPERT/ GIS SOLUTIONS ARCHITECT**

WORK EXPERIENCE

• Dates (from – to)	03/2018 - ongoing
• Name and address of employer	Essensys, 16 Copilului Street, 2nd Floor, 1st District, Zip Code: 012177, Bucharest, Romania
• Type of business or sector	IT&C Services
• Occupation or position held	**GIS Expert/GIS Solutions Architect**
Main activities and responsibilities	Implementation and development of information systems with geospatial component for projects in various fields.

Main activities and responsibilities:

- ❒ Coordination of projects with a geospatial component
- ❒ Taking over the GIS Manger responsibilities during his work leave
- ❒ Geographic Information Systems (GIS) Architecture Design
- ❒ Spatial and geo-statistical analysis of geospatial data.
- ❒ Data harmonization.
- ❒ Designing and implementation of geodatabase.
- ❒ Spatial and geo-statistical analysis.
- ❒ Network analysis.
- ❒ Drafting various thematic maps
- ❒ Involvement in installation, configuration and commissioning
- ❒ Making feasibility studies, cost-benefit analyzes, drafting technical offers, description of the technical solution
- ❒ Provide technical assistance, participation in project meetings
- ❒ Writing technical documentation and manuals for users

Technologies and methodologies used:

QGIS, SagaGIS, uDig, gvSIG, Geoserver, PostgreSQL/PostGIS, OpenLayers, OpenGeoSuite, Geopaparazzi, LeoWorks, SNAP, ESRI (ArcGIS Desktop și Server), ENVI, Global Mapper,

Surfer, MSQL Server etc.

• Dates (from – to)	06/2018 - ongoing
• Name and address of employer	University of Bucharest (CICADIT), 4-12 Regina Elisabeta Blv, Bucharest, Romania
• Type of business or sector	Research and education
• Occupation or position held	**GIS Expert/GIS Solutions Architect**
Main activities and responsibilities	Implementation and development of the WEBGIS component for the project TEAM4SEAS.

Main activities and responsibilities:

- ❒ Geographic Information Systems (GIS) Architecture Design
- ❒ Data harmonization.
- ❒ Designing and implementation of geodatabase.
- ❒ Drafting various thematic maps
- ❒ Involvement in installation, configuration and commissioning
- ❒ Provide technical assistance, participation in project meetings

Technologies and methodologies used:

QGIS, Geoserver, PostgreSQL/PostGIS, OpenLayers, MapStore2

• Dates (from – to)	02/2012-03-2018
• Name and address of employer	Teamnet, 22 Tudor Vladimirescu Blvd., Green Gate Business Building, 7th floor, District 5, 050883, Bucharest, Romania
• Type of business or sector	IT&C Services
• Occupation or position held	**GIS Expert**
Main activities and responsibilities	Implementation and development of information systems with geospatial component (over 20 projects at international, national and local level) for projects in various fields such as Environment, Hydrology, Emergency Situations, Agriculture, Forestry etc.

Main activities and responsibilities:

- ❒ Coordination of projects with a geospatial component
- ❒ Taking over the GIS Manger responsibilities during his work leave
- ❒ Geographic Information Systems (GIS) Architecture Design
- ❒ Spatial and geo-statistical analysis of geospatial data.
- ❒ Data harmonization.
- ❒ Designing and implementation of geodatabase.
- ❒ Spatial and geo-statistical analysis.
- ❒ Network analysis.
- ❒ Drafting various thematic maps
- ❒ Involvement in installation, configuration and commissioning
- ❒ Making feasibility studies, cost-benefit analyzes, drafting technical offers, description of the technical solution
- ❒ Provide technical assistance, participation in project meetings
- ❒ Writing technical documentation and manuals for users

Dates (from – to)	02/2012-03-2018
• Main activities and responsibilities	**Project#1:** ▫ CESAR Phase 1 - Systematic registration of buildings in the administrative-territorial units: Sântandrei, Bârsa, Lenauheim, Ghiroc, Siria, Şagu, Secusigiu, Sânmartin, Bors *(Client: National Agency for Cadastre and Land Registration)*

The objective of the project is to facilitate the restructuring of agricultural holdings under market conditions by facilitating the management of the goods and incomes of farmers, their families and other workers in agriculture in order to absorb the funds available through national and European programs. Phase I involves carrying out land and cadastral works for the buildings in the communes included in the project.

Main activities and responsibilities:

- ❒ Analysis of geospatial data.
- ❒ Data harmonization.
- ❒ Designing and implementation of geodatabase.
- ❒ Drafting various thematic maps
- ❒ Provision of technical assistance, participation in technical meetings.

Technologies and methodologies used:

Microsoft SQL Server; ArcGIS Server; ArcGIS Desktop; Model Builder; SQL; MS Office.

• Dates (from – to) 11/2016-03/2018

• Main activities and responsibilities **Project#2** Romanian Cluster for Earth Observation (RO–CEO) *(Client: Romanian Space Agency)*
The project aims to raise Romania's capacity to participate in ESA programs and projects, to promote the interest of Romanian entities that conduct activities in Earth Observation and promote their expertise and capacity for international projects while ensuring a sustainable environment for Earth Observation activities.

Main activities and responsibilities:

- ❒ Coordination of the project and the team involved (10 people)
- ❒ Analysis of data.
- ❒ Data harmonization.
- ❒ Designing and implementation of database.
- ❒ Spatial analysis.
- ❒ Provision of technical assistance, participation in technical meetings.
- ❒ Involved in installation, configuration and deployment activities.

Technologies and methodologies used:

Liferay, PostgreSQL, PostGIS, OpenLayers, Angular, JavaScript.

• Dates (from – to) 11/2017-12/2017

• Main activities and responsibilities **Project#3:** Photogrammetric flights for the following protected sites, "Băgău", "Pajiștile de la Mănărade" and "Confluența Mureș cu Arieș" using UAV systems *(Client: Asociatia Biounivers)*
The project aims to collect images using UAV systems, processing these images in order to obtain orthophotplans, digital surface models and 3D points cloud and the use of these results for preparation of management plans for 3 Natura 2000 sites.

Main activities and responsibilities:

- ❒ Coordination of the project and the team involved (4 people)
- ❒ Field data measurements and data acquisition.
- ❒ Data processing in order to obtain orthophotplans, digital surface models and 3D points cloud.
- ❒ Spatial analysis.
- ❒ Provision of technical assistance, participation in technical meetings.

Technologies and methodologies used:

ArcGIS Desktop, AgiSoft Photoscan Professional, MS Windows; MS Office

• Dates (from – to) 07/2017-09/2017

• Main activities and responsibilities **Project#4:** Photogrammetric flights for the Ghiroda Territorial Administrative Unit using UAV systems *(Client: BLACK LIGHT SRL)*
The project aims to collect images using UAV systems, processing these images in order to obtain orthophotplans, digital surface models and 3D points cloud and the use of these results for cadastre.

Main activities and responsibilities:

- ❒ Coordination of the project and the team involved (4 people)
- ❒ Field data measurements and data acquisition.

- ❒ Data processing in order to obtain orthophotplans, digital surface models and 3D points cloud.
- ❒ Spatial analysis.
- ❒ Provision of technical assistance, participation in technical meetings.

Technologies and methodologies used:

ArcGIS Desktop, AgiSoft Photoscan Professional, MS Windows; MS Office.

• Dates (from – to) 11/2016-06/2017

• Main activities and responsibilities

Project#5: Topographic survey of emerged beach and emerged part of coastal structures using UAV systems *(Client: S.C. TOPO LAND EUROPE SRL)*

The project aims to collect images using UAV systems, processing these images in order to obtain orthophotplans, digital surface models and 3D points cloud and the use of these results for beach designing works.

Main activities and responsibilities:

- ❒ Coordination of the project and the team involved (4 people)
- ❒ Field data measurements and data acquisition.
- ❒ Data processing in order to obtain orthophotplans, digital surface models and 3D points cloud.
- ❒ Spatial analysis.
- ❒ Provision of technical assistance, participation in technical meetings.

Technologies and methodologies used:

ArcGIS Desktop, AgiSoft Photoscan Professional, MS Windows; MS Office.

• Dates (from – to) 02/2012-03/2018

• Main activities and responsibilities

Project#6: Bucharest Municipality Emergency Management Information System BEMIS (SMSUPMB) *(Client: Bucharest Municipality)*:

The project objective: provision of customised software applications, specific services, execution of civil works, delivery of products and equipment needed for redesigning and development of Bucharest Emergency Management Information System (BEMIS). BEMIS (Bucharest Municipality Emergency Management Information System) is an integrated system for emergency services, providing the necessary software, hardware and communication services for a multi-agency emergency centre developed for Bucharest.

Main activities and responsibilities:

- ❒ Analysis of geospatial data.
- ❒ Data harmonization.
- ❒ Designing and implementation of geodatabase.
- ❒ Spatial and geo-statistical analysis.
- ❒ Network analysis.
- ❒ Drafting various thematic maps
- ❒ Provision of technical assistance, participation in technical meetings.
- ❒ Involved in installation, configuration and deployment activities.

Technologies and methodologies used:

Microsoft SQL Server; ArcGIS Server; ArcGIS Desktop; Model Builder; SQL; MS Windows; MS Office.

• Dates (from – to) 07/2015-02/2017

• Main activities and responsibilities

Project#7: Database and GIS Portal development and providing necessary IT hardware and software equipment (RO –RISK national project) *(Client: Romanian General Inspectorate for Emergency Situations)*

The project aims to develop a set of tools for integrated evaluation of risks and preliminary results for each risk type (harmonized methodology, database and GIS portal). This set of tools facilitates stakeholders' access to information regarding exposure, vulnerability and risks and ensures information exchange between authorities mandated for risk management according to national legislation

Main activities and responsibilities:

- ❒ Coordination of the project and the team involved (6 people)
- ❒ Analysis of geospatial data.
- ❒ Data harmonization.
- ❒ Designing and implementation of geodatabase.
- ❒ Spatial and geo-statistical analysis.
- ❒ Drafting various thematic maps.
- ❒ Publishing spatial data as web services.
- ❒ Provision of technical assistance, participation in technical meetings.
- ❒ Involved in installation, configuration and deployment activities.

Technologies and methodologies used:

ArcGIS Server, ArcGIS Desktop, Microsoft SQL Server; SQL; MS Windows; MS Office..

• Dates (from – to) 10/2015-10/2016

• Main activities and responsibilities

Project#8: Extension and maintenance of the elections registry **(***Client: Permanent Electoral Authority)*:

Develop a GIS tool for registering citizens entitled to vote and to optimize the position of the polling stations.

Main activities and responsibilities:

- ❒ Coordination of the project and the team involved (8 people)
- ❒ Analysis of geospatial data.
- ❒ Data harmonization.
- ❒ Designing and implementation of geodatabase.
- ❒ GIS Architecture.
- ❒ Spatial and geo-statistical analysis.
- ❒ Network analysis.
- ❒ Drafting various thematic maps.
- ❒ Publishing spatial data as web services.
- ❒ Development of the WEBGIS application.
- ❒ Provision of technical assistance, participation in technical meetings.
- ❒ Involved in installation, configuration and deployment activities.

Technologies and methodologies used:

ArcGIS Server, ArcGIS Desktop, Model Builder; Microsoft SQL Server; Quantum GIS; GeoServer, PostgreSQL; PostGIS; OpenLayers; uDIG; JavaScript; SLD; OGC Services (WMS, WFS); Notepad++; SQL; MS Windows 7; MS Office.

• Dates (from – to) 03/2016-07/2016

• Main activities and responsibilities

Project#9: Software service to be used for counting and centralizing the votes cast for the local administrative elections of 2016 in Romania **(***Client: Permanent Electoral Authority)*:

The implementation development of spatial database and the web mapping application for the local elections.

Main activities and responsibilities:

- ❒ Coordination the geo-spatial part of the project and the team involved (4 people)
- ❒ Analysis of geospatial data.
- ❒ Data harmonization.
- ❒ Designing and implementation of geodatabase.
- ❒ Drafting various thematic maps.
- ❒ Publishing spatial data as web services.
- ❒ Development of the WEBGIS application.

- ❒ Provision of technical assistance, participation in technical meetings.
- ❒ Involved in installation, configuration and deployment activities.

Technologies and methodologies used:

Microsoft SQL Server; ArcGIS Server; ArcGIS Desktop; Model Builder; ArcGIS Flex API; Quantum GIS; SQL; MS Windows; MS Office.

• Dates (from – to) 11/2015-12/2015

• Main activities and responsibilities

Project#10 Information system development and implementation of the project "Making single integrated registration information system management and reporting of cases of domestic violence (SIRMES)" **(***Client: Romanian Agency for Gender Equality)*:

Develop and implementation an integrated information system for recording, reporting and management of cases of domestic violence and violence against children nationwide.

Main activities and responsibilities:

- ❒ Coordination the geo-spatial part of the project and the team involved (8 people)
- ❒ Analysis of geospatial data.
- ❒ Data harmonization.
- ❒ Designing and implementation of geodatabase.
- ❒ Spatial and geo-statistical analysis.
- ❒ Network analysis.
- ❒ Drafting various thematic maps.
- ❒ Publishing spatial data as web services.
- ❒ Provision of technical assistance, participation in technical meetings.
- ❒ Involved in installation, configuration and deployment activities.

Technologies and methodologies used:

Microsoft SQL Server; ArcGIS Server; ArcGIS Desktop; Model Builder; Quantum GIS; SQL; MS Windows; MS Office.

• Dates (from – to) 06/2014-05/2015

• Main activities and responsibilities

Project#11: Hardware and software infrastructure necessary for the project GSG (General Secretariat of Government) Portal **(***Client: General Secretariat of Government)*:

Hardware and software infrastructure needed for the project or service development and implementation of information system (requirements analysis, design, implementation, testing system, including web portal, as well as training personnel who will use the software implemented and those who will provides maintenance information system developed), including services project management consultancy.

Main activities and responsibilities:

- ❒ Coordination the geo-spatial part of the project and the team involved (4 people)
- ❒ Analysis of geospatial data.
- ❒ Data harmonization.
- ❒ Designing and implementation of geodatabase.
- ❒ Spatial and geo-statistical analysis.
- ❒ Network analysis.
- ❒ Drafting various thematic maps.
- ❒ Publishing spatial data as web services.
- ❒ Provision of technical assistance, participation in technical meetings.
- ❒ Involved in installation, configuration and deployment activities.

Technologies and methodologies used:

Microsoft SQL Server; ArcGIS Server; ArcGIS Desktop; Model Builder; Quantum GIS; SQL; MS Windows; MS Office.

• Dates (from – to) 09/2014-05/2015

• Main activities and responsibilities

Project#12: Basic hardware and software infrastructure, SIAMC information system implementation and

development services (SIAMC was proposed for the project) (analysis, design, implementation, information system's testing, including web portal, as well as training of the personnel to use and manage the developed information system), respectively consultancy services for the execution of legislative and institutional analysis, for the identification of opportunities to improve work processes within IM **(***Client: National Labour Inspectorate)*:

As part of the strategic development and the alignment to the EU acquis in the Common EU Labour Market, the Romanian government contracted a project to increase the capacity of the Manpower Inspection Agency to effectively manage its operations by modernizing the IT environment and eServices delivered to citizens and establishments (private companies and public institutions).

Main activities and responsibilities:

- ❒ Coordination the geo-spatial part of the project and the team involved (4 people)
- ❒ Analysis of geospatial data.
- ❒ Data harmonization.
- ❒ Designing and implementation of geodatabase.
- ❒ GIS Architecture.
- ❒ Spatial and geo-statistical analysis.
- ❒ Network analysis.
- ❒ Drafting various thematic maps.
- ❒ Publishing spatial data as web services.
- ❒ Development of the WEBGIS application.
- ❒ Provision of technical assistance, participation in technical meetings.
- ❒ Involved in installation, configuration and deployment activities.

Technologies and methodologies used:

Microsoft SQL Server; Quantum GIS; GeoServer, PostgreSQL; PostGIS; OpenLayers; uDIG; JavaScript; SLD; OGC Services (WMS, WFS); SQL; Notepad++;MS Windows; MS Office.

• Dates (from – to) 07/2014-09/2017

• Main activities and responsibilities

Project#13: Information system for integrated water management **(***Client: National Water Agency)*:

The overall objective is to provide an effective tool for responsible authorities regarding flood management, tool that will reduce the damages produced by major risk phenomena (floods, accidental pollution) in order to protect people and assets.

Main activities and responsibilities:

- ❒ Coordination the geo-spatial part of the project and the team involved (15 people)
- ❒ Analysis of geospatial data.
- ❒ Data harmonization.
- ❒ Designing and implementation of geodatabase.
- ❒ Spatial and geo-statistical analysis.
- ❒ Network analysis.
- ❒ Drafting various thematic maps.
- ❒ Publishing spatial data as web services.
- ❒ Provision of technical assistance, participation in technical meetings.
- ❒ Involved in installation, configuration and deployment activities.

Technologies and methodologies used:

Oracle; ArcGIS Server; ArcGIS Desktop; Model Builder; Quantum GIS; SQL; MS Windows; MS Office.

• Dates (from – to) 02/2014-12/2014

• Main activities and responsibilities

Project#14: Development of Integrated Information System for water management for Danube River - WATER and training target group **(***Client: Ministry of Environment and Climate Change)*:

The overall objective was to create a system for the Romania - Bulgaria cross-border management and monitoring of environmental factors on the Danube river, designed to support common measures to combat extreme situations (drought, floods, pollution, contamination) and to provide the basis for an

integrated information in order to meet the provisions of Directive 2007/60 / EC "Flood protection" and the Directive 2000/60 / EC "Water Framework Directive", along with ensuring sustainable development of the border and improving the quality of life of the people in the eligible area.

Main activities and responsibilities:

- ❒ Coordination the geo-spatial part of the project and the team involved (15 people)
- ❒ Analysis of geospatial data.
- ❒ Data harmonization.
- ❒ Designing and implementation of geodatabase.
- ❒ Spatial and geo-statistical analysis.
- ❒ Network analysis.
- ❒ Drafting various thematic maps.
- ❒ Publishing spatial data as web services.
- ❒ Provision of technical assistance, participation in technical meetings.
- ❒ Involved in installation, configuration and deployment activities.

Technologies and methodologies used:

Microsoft SQL Server; ArcGIS Server; ArcGIS Desktop; Model Builder; Quantum GIS; SQL; MS Windows; MS Office.

• Dates (from – to) 09/2014-12/2014

• Main activities and responsibilities **Project#15:** Software service to be used for counting and centralizing the votes cast for the President of Romania **(***Client: Permanent Electoral Authority)*:

The implementation development of spatial database and the web mapping application for the President of Romania election.

Main activities and responsibilities:

- ❒ Coordination the geo-spatial part of the project and the team involved (4 people)
- ❒ Analysis of geospatial data.
- ❒ Data harmonization.
- ❒ Designing and implementation of geodatabase.
- ❒ Drafting various thematic maps.
- ❒ Publishing spatial data as web services.
- ❒ Development of the WEBGIS application.
- ❒ Provision of technical assistance, participation in technical meetings.
- ❒ Involved in installation, configuration and deployment activities.

Technologies and methodologies used:

Microsoft SQL Server; ArcGIS Server; ArcGIS Desktop; Model Builder; ArcGIS Flex API; Quantum GIS; SQL; MS Windows; MS Office.

• Dates (from – to) 03/2014-07/2014

• Occupation or position held **GIS Specialist**

• Main activities and responsibilities **Project#16:** Software service to be used for counting and centralizing the votes cast for the European Parliament **(***Client: Permanent Electoral Authority)*:

The implementation development of spatial database and the web mapping application for the European Parliament.

Main activities and responsibilities:

- ❒ Coordination the geo-spatial part of the project and the team involved (4 people)
- ❒ Analysis of geospatial data.
- ❒ Data harmonization.
- ❒ Designing and implementation of geodatabase.
- ❒ Drafting various thematic maps.
- ❒ Publishing spatial data as web services.

- ❒ Development of the WEBGIS application.
- ❒ Provision of technical assistance, participation in technical meetings.
- ❒ Involved in installation, configuration and deployment activities.

Technologies and methodologies used:

Microsoft SQL Server; ArcGIS Server; ArcGIS Desktop; Model Builder; ArcGIS Flex API; Quantum GIS; SQL; MS Windows; MS Office.

• Dates (from – to) 03/2014-06/2015

• Main activities and responsibilities

Project#17: Studies for setting the boundaries of the Romanian nature protected areas and development of data sets by drawing the topographical details of the areas accordingly INSPIRE technical specifications_ SADSIANP-Lot2 **(***Client: Ministry of Environment and Climate Change)*:

Lot 2 of the project aimed to develop the relevant studies for establishment and marking the boundaries of the nature protected areas following the analysis of data within existing documentation and based on data collected during sites seeing.

The following activities have been carried out as required by the project terms of references under Lot 2:

- Study for setting the boundaries of the Romanian natural protected areas that revealed boundaries of approximatively 1400 such areas being part of one of the categories, as it follows:
- 28 National Parks of which limits with regard to marking the biosphere reservation, national and natural parks and establishment of their management/administration bodies that were established by the Governmental Decision 230/2003
- 531 Natura 2000 sites (148 special avifaunistic protection area and 383 community importance sites) mentioned by the Governmental Decisions no. 971/ 2011 & no 1.284/2007
- More than 840 nature protected areas of which boundaries were not mentioned by any legal regulation. Majority of the areas are mentioned within law no 5/2000 regarding the territorial landscaping
-Development of data sets and study for data sets development according to INSPIRE technical specifications for 1400 protected areas: collecting data by sites measurements (GPS, total station) and GIS digitisation, preparing the pro-forma spreadsheets to be imported within SADSIANP.
- Rights for using 10.000 topographic maps for 14.000 protected areas
- Project management & quality assurance during project implementation.

Main activities and responsibilities:

- ❒ Analysis of geospatial data.
- ❒ Data harmonization.
- ❒ Designing and implementation of geodatabase.
- ❒ Field data collections using Trimble Yuma/Juno GPS's.
- ❒ Spatial and geo-statistical analysis.
- ❒ Drafting various thematic maps.
- ❒ Publishing spatial data as web services.
- ❒ Provision of technical assistance, participation in technical meetings.
- ❒ Involved in installation, configuration and deployment activities.

Technologies and methodologies used:

Microsoft SQL Server; ArcGIS Server; INSPIRE, ArcGIS Desktop; Geoprocessing Services; QGIS; GeoServer; PostgreSQL/PostGIS; ArcPad; MS Windows; MS Office.

• Dates (from – to) 10/2013-12/2014

• Main activities and responsibilities

Project#18: Consulting services for achieving analysis on the situation of spatial data in Romania and collecting or generating metadata related to spatial data consultancy for the development of information services and correlation cadastral information in the context of INSPIRE Directive, including the hardware and software necessary to achieve activity analysis of the existing spatial data in Romania **(***Client: National Agency for Cadastre and Land Registration)*:

Consulting services for achieving analysis on the situation of spatial data in Romania and collecting or generating metadata related to spatial data consultancy for the development of information services and correlation cadastral information in the context of INSPIRE Directive, including the hardware and software necessary to achieve activity analysis of the existing spatial data in Romania.

Main activities and responsibilities:

- ❒ Analysis of metadata and geospatial data.
- ❒ Data harmonization.
- ❒ Provision of technical assistance, participation in technical meetings.
- ❒ Involved in installation, configuration and deployment activities.

Technologies and methodologies used:

Oracle 11g; ArcGIS Server; ArcGIS Desktop; INSPIRE, Model Builder; Geoprocessing Services; Python; MS Windows; MS Office.

• Dates (from – to) 10/2012-12/2012

• Main activities and responsibilities

Project#19: Software service to be used for counting and centralizing the votes cast for the Parliament elections of 2012 in Romania **(***Client: Permanent Electoral Authority)*:

The implementation development of spatial database and the web mapping application for the Parliament elections.

Main activities and responsibilities:

- ❒ Coordination the geo-spatial part of the project and the team involved (4 people)

- ❒ Analysis of geospatial data.
- ❒ Data harmonization.
- ❒ Designing and implementation of geodatabase.
- ❒ Drafting various thematic maps.
- ❒ Publishing spatial data as web services.
- ❒ Development of the WEBGIS application.
- ❒ Provision of technical assistance, participation in technical meetings.
- ❒ Involved in installation, configuration and deployment activities.

Technologies and methodologies used:

Microsoft SQL Server; ArcGIS Server; ArcGIS Desktop; Model Builder; ArcGIS Flex API; Quantum GIS; SQL; MS Windows; MS Office.

• Dates (from – to) 10/2012-04/2013

• Main activities and responsibilities

Project#20: Improving the conservation status of biodiversity for the protected natural areas in the custody of Constanta Forest Directorate **(***Client: Romanian Association for Sustainable Development - Constanta (ARDDC))*:

The objective of the project is to strengthen the institutional capacity of custodian of protected natural areas for an efficient management and adequate monitoring through the development of applications and methods to increase efficiency / transparency regarding decisions to protect natural heritage.

Main activities and responsibilities:

- ❒ Analysis of geospatial data.
- ❒ Data harmonization.
- ❒ Field data collections using Trimble Yuma/Juno GPS's.
- ❒ Designing and implementation of geodatabase.
- ❒ Spatial and geo-statistical analysis.
- ❒ Drafting various thematic maps.
- ❒ Publishing spatial data as web services.
- ❒ Provision of technical assistance, participation in technical meetings.
- ❒ Involved in installation, configuration and deployment activities.

Technologies and methodologies used:

Microsoft SQL Server; ArcGIS Server; ArcGIS Desktop; Model Builder; ArcPad; SQL; MS Windows; MS Office.

• Dates (from – to) 02/2012-03/2013

• Main activities and responsibilities

Project#21: Communication and information system – Management system for emergency situations Giurgiu-Ruse **(***Client: Giurgiu County Council)*:

The strategic objective was to increase the interoperability between the Giurgiu Inspectorate for Emergency Situations and services extinguishing and fire prevention and civil protection authorities in the town of Ruse (Bulgaria) in cases of emergency, spill and or chemical pollution and forest fires. The system also includes geospatial interoperability tools that allow the generation of a common operational picture for both organizations, allowing a common response in case of emergency situations.

Main activities and responsibilities:

- ❒ Analysis of geospatial data.
- ❒ Data harmonization.
- ❒ Designing and implementation of geodatabase.
- ❒ Spatial and geo-statistical analysis.
- ❒ Drafting various thematic maps.
- ❒ Publishing spatial data as web services.
- ❒ Provision of technical assistance, participation in technical meetings.
- ❒ Involved in installation, configuration and deployment activities.

Technologies and methodologies used:

Microsoft SQL Server; ArcGIS Server; ArcGIS Desktop; Model Builder; SQL; MS Windows; MS Office.

• Dates (from – to) 04/2012-07/2012

• Main activities and responsibilities

Project#22: Software service to be used for counting and centralizing the votes cast for the Parliament elections of 2012 in Romania **(***Client: Permanent Electoral Authority)*:

The implementation development of spatial database and the web mapping application for the Parliament elections.

Main activities and responsibilities:

- ❒ Coordination the geo-spatial part of the project and the team involved (4 people)
- ❒ Analysis of geospatial data.
- ❒ Data harmonization.
- ❒ Designing and implementation of geodatabase.
- ❒ Drafting various thematic maps.
- ❒ Publishing spatial data as web services.
- ❒ Development of the WEBGIS application.
- ❒ Provision of technical assistance, participation in technical meetings.
- ❒ Involved in installation, configuration and deployment activities.

Technologies and methodologies used:

Microsoft SQL Server; ArcGIS Server; ArcGIS Desktop; Model Builder; ArcGIS Flex API; Quantum GIS; SQL; MS Windows; MS Office.

• Dates (from – to) 02/2012-08/2012

Main activities and responsibilities

Project#23: Integrated Informatics System for Management and Awareness of Natura 2000 network in Romania (SINCRON) **(***Client: Ministry of Environment and Forests)*:

The implementation of the project aimed to improve the process of Natura2000 sites management by planning and developing specific management plans for each of the protected area and development of electronic online databases with GIS support. SINCRON represents an informatics integrated and accessible system for analysing and processing data to produce Strategic Environmental Assessment (SEA) of management plans for the 9 designated Natura2000 sites as well as evaluation of the activities developed within that are susceptible to impact against species and habits.

Main activities and responsibilities:

- ❒ Analysis of geospatial data.

- ❒ Data harmonization.
- ❒ Designing and implementation of geodatabase.
- ❒ Field data collections using Trimble Yuma/Juno GPS's.
- ❒ Spatial and geo-statistical analysis.
- ❒ Drafting various thematic maps.
- ❒ Publishing spatial data as web services.
- ❒ Provision of technical assistance, participation in technical meetings.
- ❒ Involved in installation, configuration and deployment activities.

Technologies and methodologies used:

Microsoft SQL Server; ArcGIS Server; ArcGIS Desktop; Model Builder; ArcPad; SQL; MS Windows; MS Office.

• Dates (from – to)	06/2008-present
• Name and address of employer	GEO-SPATIAL.ORG Association
• Type of business or sector	Geospatial technology
• Occupation or position held	**Active member in the Executive Committee/GIS Specialist**
• Main activities and responsibilities	Author on the geo-spatial.org geoportal since 2007 and speaker at the conferences held since 2009. Founding member of GEO-SPATIAL.ORG Association (The Romanian FOSS4G Local Chapter). Involvement in the collaborative projects such as eHarta (international acknowledged project by being awarded with the Better Data Award within the first edition of Open Data Challenge contest), OrbView-3 documentation scene, etc.

Main activities and responsibilities:

- ❒ Provide support, installation and operation of GIS software, especially open source software;
- ❒ Researching and resolving inquiries and requests for spatial information;
- ❒ Administrative and organizational activities within GEO-SPATIAL.ORG Association;
- ❒ Speaker at the conferences held since 2009.

Technologies and methodologies used:

Quantum GIS; GeoServer, PostgreSQL; PostGIS; OpenLayers; uDIG; OpenGeo Suite; Beam; LeoWorks; JavaScript; SLD; OGC Services (WMS, WFS); SQL; MS Windows 7; MS Office.

• Dates (from – to)	08/2014-present
• Name and address of employer	The Open Source Geospatial Foundation
• Type of business or sector	Open Source Geospatial
• Occupation or position held	**Charter Member/ GIS Specialist**
• Main activities and responsibilities	Collaborative development of open source geospatial software, and promote its widespread use.

Main activities and responsibilities:

- ❒ Provide support, installation and operation of GIS software, especially open source software;
- ❒ Researching and resolving inquiries and requests for spatial information;
- ❒ Speaker at the conferences held since 2013.

Technologies and methodologies used:

Quantum GIS; GeoServer, PostgreSQL; PostGIS; OpenLayers; uDIG; OpenGeo Suite; Beam; LeoWorks; JavaScript; SLD; OGC Services (WMS, WFS); SQL; MS Windows 7; MS Office.

• Dates (from – to)	06/2013-11/2015
• Name and address of employer	Technical University of Civil Engineering – Groundwater Engineering Research Center (CCIAS) Bucharest (Romania)
• Type of business or sector	Research
• Occupation or position held	**GIS Specialist/Research Assistant**
• Main activities and responsibilities	Research Assistant on the project GEOIDEA.RO (GEodata Openness Initiative for Development and Economic Advancement in ROmania), a joint program between a Swiss partner (The Swiss Federal Institute of Technology ETH Zurich - Institute of Cartography and Geo information) and a Romanian partner (Technical University of Civil Engineering - UTCB). Main activities and responsibilities: ❒ Analysis of geospatial data. ❒ Data harmonization. ❒ Designing and implementation of geodatabase. ❒ Improve the scientific basis for open geo-data model adoption in Romania. **Technologies and methodologies used:** Quantum GIS; GeoServer, PostgreSQL; PostGIS; OpenLayers; uDIG; SLD; OGC Services (WMS, WFS).
• Dates (from – to)	11/2008-02/2012
• Name and address of employer	S.C. Marine Resources Exploration International
• Type of business or sector	OIL&GAS
• Occupation or position held	**GIS Specialist**
• Main activities and responsibilities	Analysing and processing survey data (cores, seismic profiles, Sub Bottom Profiling, Size Scan Sonar etc.), volumetric (resources estimation). **Main activities and responsibilities:** ❒ Analysis of geospatial data. ❒ Data harmonization. ❒ Designing and implementation of geodatabase. ❒ Spatial and geo-statistical analysis. ❒ Drafting various thematic maps. ❒ Publishing spatial data as web services. ❒ Provision of technical assistance, participation in technical meetings. ❒ Involved in installation, configuration and deployment activities. ❒ Analysing and processing survey data (cores, seismic profiles, Sub Bottom Profiling, Size Scan Sonar etc.). ❒ Volumetric (resources estimation). **Technologies and methodologies used:** ArcGIS Server, ArcGIS Desktop, Microsoft SQL Server; Quantum GIS; GeoServer, PostgreSQL; PostGIS; OpenLayers; uDIG; JavaScript; SLD; OGC Services (WMS, WFS); SQL; MS Windows 7; MS Office.
• Dates (from – to)	5/2008-11/2008
• Name and address of employer	E-Power Holding S.R.L.
• Type of business or sector	Green Energy
• Occupation or position held	**GIS Specialist/Project Manager**
• Main activities and responsibilities	Handling all kind of spatial data in GIS or CAD software: elevation model, various terrain models, parcelling plan, position of the wind turbines, roads, electrical lines etc. **Main activities and responsibilities:**

- ❒ Analysis of geospatial data.
- ❒ Data harmonization.
- ❒ Designing and implementation of geodatabase.
- ❒ Spatial and geo-statistical analysis.
- ❒ Drafting various thematic maps.
- ❒ Publishing spatial data as web services.
- ❒ Provision of technical assistance, participation in technical meetings.
- ❒ Involved in installation, configuration and deployment activities.
- ❒ Keep in touch with the authorities regarding the authorizations needed;
- ❒ Prepare the documentation concerning environmental issues;
- ❒ Follow up all the projects in order to prepare the next steps.

Technologies and methodologies used:

ArcGIS Server, ArcGIS Desktop, Microsoft SQL Server; SQL; Autocad; MS Windows 7; MS Office.

• Dates (from – to)	2/2007-5/2008
• Name and address of employer	SC HIDROGIS SRL
• Type of business or sector	Hydrological modelling
• Occupation or position held	**GIS Specialist**
• Main activities and responsibilities	Hydrological and hydrodynamic modelling within „The national plan for the prevention and fight against floods" - Government Emergency No. 1309/2005 (complying with Directive 2007/60/EC of the European Parliament and of the Council on the assessment and management of flood risks) of the Buzau, Mures and Crisuri river basins **(***Client: National Water Agency)*: Assessment and management of flood risks.

Main activities and responsibilities:

- ❒ Analysis of geospatial data.
- ❒ Data harmonization.
- ❒ Hydrological and hydrodynamic modelling.
- ❒ Designing and implementation of geodatabase.
- ❒ Spatial and geo-statistical analysis.
- ❒ Drafting various thematic maps.
- ❒ Provision of technical assistance, participation in technical meetings.
- ❒ Involved in installation, configuration and deployment activities.

Technologies and methodologies used:

ArcGIS Server, ArcGIS Desktop, Microsoft SQL Server; SQL; Autocad; MS Windows 7; MS Office.

EDUCATION AND TRAINING

• Dates (from – to)	09/2007 – 02/2009
• Name and type of organisation providing education and training	Faculty of Natural Sciences and Ecology, Ecological University, Bucharest, Romania
• Principal subjects/occupational skills covered	Solid coverage of all aspects of ecology and environmental protection, surface water resources management, management of groundwater resources, waste management, management of non-renewable resources, biodiversity management.
• Title of qualification awarded	Master degree in ecology and environmental protection
• Level in national classification (if appropriate)	EQF Level 7

• Dates (from – to)	02/2003 – 07/2007
• Name and type of organisation providing education and training	Faculty of Geography, University of Bucharest, Bucharest, Romania
• Principal subjects/occupational skills covered	Solid coverage of all aspects of GIS, spatial analysis, remote sensing, geospatial data base, cartography, topography, hydrology, meteorology, numerical modelling etc.
• Title of qualification awarded	Bachelor in Environmental Geography, Specialization: Geographic Information Systems
• Level in national classification (if appropriate)	EQF Level 6

• Dates (from – to)	02/2014 – 03/2022
• Name and type of organisation providing education and training	GIS Certification Institute
• Principal subjects/occupational skills covered	GISP
• Title of qualification awarded	Graduation Certificate
• Level in national classification (if appropriate)	N/A

• Dates (from – to)	02/2013 – 03/2013
• Name and type of organisation providing education and training	ESRI ROMANIA
• Principal subjects/occupational skills covered	Configuring and Managing the Multiuser Geodatabase
• Title of qualification awarded	Graduation Certificate
• Level in national classification (if appropriate)	N/A

• Dates (from – to)	02/2013 – 03/2013
• Name and type of organisation providing education and training	ESRI ROMANIA
• Principal subjects/occupational skills covered	ArcGIS for Server: Sharing GIS Content on the WEB
• Title of qualification awarded	Graduation Certificate
• Level in national classification (if appropriate)	N/A

• Dates (from – to)	02/2013 – 03/2013
• Name and type of organisation providing education and training	ESRI ROMANIA
• Principal subjects/occupational skills covered	Building WEB Applications Using the ArcGIS API for JavaScript" issued by ESRI Romania
• Title of qualification awarded	Graduation Certificate
• Level in national classification (if appropriate)	N/A

• Dates (from – to)	08/2009 – 08/2009
• Name and type of organisation providing education and training	ESRI
• Principal subjects/occupational	Creating, Editing, and Managing Geodatabases for ArcGIS Desktop" issued by ESRI Training and Education

skills covered	
• Title of qualification awarded	Certification of completion
• Level in national classification (if appropriate)	N/A

• Dates (from – to)	09/2009 – 09/2009
• Name and type of organisation providing education and training	ESRI
• Principal subjects/occupational skills covered	Learning ArcGIS Spatial Analyst
• Title of qualification awarded	Certification of completion
• Level in national classification (if appropriate)	N/A

• Dates (from – to)	09/2009 – 09/2009
• Name and type of organisation providing education and training	ESRI
• Principal subjects/occupational skills covered	Learning ArcGIS 3D Analyst
• Title of qualification awarded	Certification of completion
• Level in national classification (if appropriate)	N/A

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE	**Romanian**
OTHER LANGUAGES	
	English
• Reading skills	C1 – PROFICIENT USER
• Writing skills	C1 – PROFICIENT USER
• Verbal skills	C1 – PROFICIENT USER
	Italian
• Reading skills	B2 – BASIC USER
• Writing skills	A2 – BASIC USER
• Verbal skills	B2 – BASIC USER

SOCIAL SKILLS AND COMPETENCES

-Team spirit, effective collaboration with colleagues, business partners and customers, ability to adapt to multicultural environments, gained through my work experience abroad.
-Good communication skills obtained through attending and holding presentations and

workshops at various national and international conferences (FOSS4G, FOSS4G-CEE, FOSS4G Europe, ESRI Romania Users Conference, Geospatial.org Seminars)

-Participated in over 30 national and international conferences where he held oral presentations as well as workshops.

-Good teamwork skills obtained through participation in medium and large teams (5-20 persons)

ORGANISATIONAL SKILLS AND COMPETENCES

-Board Member/Founder of GEO-SPATIAL.ORG Association.

-Administrative and organizational activities within GEO-SPATIAL.ORG Association.)

-Charter member of OSGeo (Support the collaborative development of open source geospatial software, and promote its widespread use; Open data and open standards.)

-Member in Romanian Environmental INSPIRE SDIC (Spatial Data Interested Community)

-Organizer of over 20 national and international events in the geospatial domain (FOSS4G). In 2013 he organized FOSS4G CEE in Bucharest, in 2017 he organized FOSS4G Europe in Paris and in 2019 he will organize the FOSS4G World Conference in Bucharest.

PRESENTATIONS AND PAPERS

-D. Urda and F. Iosub, Creating WEBGIS applications without code lines. Workshop held at the Geo-Spatial.org Conference "Free Open Source Solutions for Geospatial Data Processing and Representation", Faculty of Chemistry, Biology, Geography - West University, Timisoara 23-24 November 2018.

-F. Iosub, Creating WEBGIS applications without code lines. Workshop held at the Geo-Spatial.org Conference "Free Open Source Solutions for Geospatial Data Processing and Representation", Faculty of Geography, University of Bucharest 12-13 October 2018.

-D. Urda and F. Iosub, PostGIS - Geointroduction in databases. Workshop held at the Geo-Spatial.org Conference "Free Open Source Solutions for Geospatial Data Processing and Representation", Faculty of Geography - Babeş-Bolyai University, Cluj-Napoca 20 - 21 April 2018.

-D. Urda and F. Iosub, PostGIS - Geointroduction in databases. Workshop held at the Geo-Spatial.org Conference "Free Open Source Solutions for Geospatial Data Processing and Representation", Faculty of Chemistry, Biology, Geography - West University, Timisoara 24-25 November 2017.

-D. Urda and F. Iosub, PostGIS - Geointroduction in databases. Workshop held at the Geo-Spatial.org Conference "Free Open Source Solutions for Geospatial Data Processing and Representation", Faculty of Geography, University of Bucharest 20-21 October 2017.

-D. Urda and F. Iosub In the service of democracy: allocating expat voters to the polling stations using FOSS GIS, Presentation held at the FOSS4G Europe Conference, Paris / Marne-la-Vallee, France, 18-22 July 2017.

-C. Flueraru, M. Budileanu, I. Şerban, I. Nedelcu, F. Iosub, Sentinel 2 Images: from the acquisition to results and cartographic representations. Workshop held at the Geo-Spatial.org conference "Free Open Source Solutions for Geospatial Data Processing and Representation", Faculty of Geography - Babeş-Bolyai University, Cluj-Napoca March 31 - April 1, 2017.

-F. Iosub, Does the drones change the perspective of looking at the world? Presentation held at the Geo-Spatial.org Conference "Free Open Source Solutions for Geospatial Data Processing and Representation", Faculty of Chemistry, Biology, Geography - West University of Timisoara 18-19 November 2016.

-F. Iosub, Storage, manipulation and editing of geospatial data using PostGIS. Workshop held at the Geo-Spatial.org Conference "Free Open Source Solutions for Geospatial Data Processing and Representation", Faculty of Geography, University of Bucharest 7-8 October 2016.

-D. Urda and F. Iosub, The Secret Story of Real Time Routing by OpenStreetMap, pgRouting and OpenLayers, Presentation at the FOSS4G Conference, Bonn, Germany, 24-27 August 2016

-F. Iosub, Storage, manipulation and editing of geospatial data using PostGIS. Workshop held at the Geo-Spatial.org conference "Free Open Source Solutions for Geospatial Data Processing and Representation", Faculty of Geography - Babeş-Bolyai University, Cluj-Napoca 15-16 April 2016.

-F. Iosub, Storage, manipulation and editing of geospatial data using PostGIS. Workshop held at the Geo-Spatial.org conference "Free Open Source Solutions for Geospatial Data Processing and Representation", Faculty of Chemistry, Biology, Geography - West University of Timisoara 20-21 November 2015.

-D. Urda and F. Iosub, Integrating FOSS4G into an Enterprise System for Labor Management, Presentation at the FOSS4G Europe Conference, Politecnico di Milano in Como, Italy, 15-17 July 2015.

-M. Budileanu and F. Iosub, CartoDB - Online maps without headaches. Workshop held at the

Geo-Spatial.org Conference "Free Open Source Solutions for Geospatial Data Processing and Representation", Faculty of Geography - Babeş-Bolyai University, Cluj-Napoca 25-26 April 2015.
-F. Iosub, "sky high" map services with GeoServer. Presentation held at the Geo-Spatial.org conference "Free Open Source Solutions for Geospatial Data Processing and Representation", Faculty of Geography - Babeş-Bolyai University, Cluj-Napoca 4-5 April 2014.
-S. Rusu and F. Iosub, OpenWebGlobe - WebGL solution for viewing geospatial 3D information. Presentation held at the Geo-Spatial.org conference "Free Open Source Solutions for Geospatial Data Processing and Representation", Faculty of Chemistry, Biology, Geography - Western University of Timisoara 15-16 November 2013.
-F. Iosub and S. Constantin, Creating, processing, analyzing and publishing geospatial information using open source GIS solutions. Workshop held at the Geo-Spatial.org Conference "Free Open Source Solutions for Geospatial Data Processing and Representation", Faculty of Chemistry, Biology, Geography - Western University of Timisoara 15-16 November 2013.
-F. Iosub and S. Constantin, Practical Introduction to OpenGeo Suite. Workshop held at the FOSS4G Central and Eastern Europe Conference, Bucharest 16-20 June 2013.
-F. Iosub, Errors and uncertainties regarding the accuracy of geospatial data. Presentation held at the Geo-Spatial.org conference "Free Open Source Solutions for Geospatial Data Processing and Representation", Faculty of Geography - Babes-Bolyai University, Cluj-Napoca 19-20 April 2013.
-F. Iosub and S. Constantin The storage, manipulation and editing of geospatial data using the PostGIS application. Workshop held at the Geo-Spatial.org conference "Free Open Source Solutions for Geospatial Data Processing and Representation", Faculty of Geography - Babeş-Bolyai University, Cluj-Napoca 19-20 April 2013.
-F. Iosub, Extracting spatial information from satellite images using supervised and non-supervised classifications. Presentation held at the Geo-Spatial.org conference "Free Open Source Solutions for Geospatial Data Processing and Representation", Faculty of Chemistry, Biology, Geography - West University, Timişoara 23-24 November 2012.
-S. Constantin and F. Iosub, Classification of satellite imagery using the LeoWorks application. Workshop held at the Geo-Spatial.org Conference "Free Open Source Solutions for Geospatial Data Processing and Representation", Faculty of Chemistry, Biology, Geography - West University, Timişoara 23-24 November 2012.
-F. Iosub, Integrated Management and Awareness System in Romania of the Natura 2000 Network (SINCRON). Presentation held at Geo-Spatial.org Conference "Free Geospatial Technologies, Data and Knowledge", Faculty of Geography, University of Bucharest 12-13 October 2012.
-F. Iosub, Normalized Differentiation Indices. Presentation held at the Geo-Spatial.org conference "Free Open Source Solutions for Geospatial Data Processing and Representation", Faculty of Geography - Babeş-Bolyai University, Cluj-Napoca 27-28 April 2012.
-C. Flueraru and F. Iosub, MODIS Land Products Subsets. Workshop held at the Geo-Spatial.org Conference "Free Open Source Solutions for Geospatial Data Processing and Representation", Faculty of Geography - Babeş-Bolyai University, Cluj-Napoca 27-28 April 2012.
-F. Iosub, S. Constantin, C. Ilie, Creation, processing, analysis and publication of spatial information using open source GIS solutions. Workshop held at the Geo-Spatial.org Conference "Free Open Source Solutions for Geospatial Data Processing and Representation", Faculty of Geography - Babeş-Bolyai University, Cluj-Napoca 27-28 April 2012.
-F. Iosub, Normalized Differentiation Indices. Presentation held at the Geo-Spatial.org Conference "Open Source Free Solutions for Geospatial Data Processing and Representation", Faculty of Chemistry, Biology, Geography - West University, Timisoara 25-26 November 2011.
-C. Flueraru and F. Iosub, Processing of MODIS-snow products. Workshop held at the Geo-Spatial.org conference "Free Open Source Solutions for Geospatial Data Processing and Representation", Faculty of Chemistry, Biology, Geography - West University, Timisoara 25-26 November 2011.
-F. Iosub, S. Constantin, C. Ilie Calculation of normalized indices of differentiation of landscape elements based on satellite images. Workshop held at the Geo-Spatial.org conference "Free Open Source Solutions for Geospatial Data Processing and Representation", Faculty of Chemistry, Biology, Geography - West University, Timisoara 25-26 November 2011.
-F. Iosub, Elements of Geostatistics. Presentation held at the Geo-Spatial.org conference "Free Open Source Solutions for Geospatial Data Processing and Representation", Faculty of Geography, University of Bucharest 07-08 October 2011.
-F. Iosub, S. Constantin, C. Ilie Interpolation methods existing in the SAGA GIS application. Workshop held at the Geo-Spatial.org Conference "Free Open Source Solutions for Geospatial Data Processing and Representation", Faculty of Geography, University of Bucharest 07-08 October 2011.

-L. Ghiniţoiu, F. Iosub, S. Constantin The conversion of the Bicaz cement plant into a technical museum. Presentation held at the Geo-Spatial.org conference "Open Source Open Source Solutions for Geospatial Data Processing and Representation", Faculty of Geography - Babeş-Bolyai University, Cluj-Napoca 15-16 April 2011.
-S. Constantin, C. Ilie, F. Iosub, Introduction to QGIS. Editing and geoprocessing. Workshop held at the Geo-Spatial.org conference "Free Open Source Solutions for Geospatial Data Processing and Representation", Faculty of Geography - Babeş-Bolyai University, Cluj-Napoca 15-16 April 2011.
-F. Iosub, Interpolation methods implemented in open source applications. Presentation held at the Geo-Spatial.org Conference "Free Open Source Solutions for Geospatial Data Processing and Representation", Faculty of Chemistry, Biology, Geography - West University, Timisoara 19-20 November 2010.
-F. Iosub and S. Constantin Introduction to gvSIG. Editing and geoprocessing. Workshop held at the Geo-Spatial.org Conference "Free Open Source Solutions for Geospatial Data Processing and Representation", Faculty of Chemistry, Biology, Geography - West University, Timisoara 19-20 November 2010.
-V. Crăciunescu, Ş. Constantinescu, F. Iosub, S. Constantin Exploring 3D of geographic reality using VTP. Workshop held at the Geo-Spatial.org Conference "Free Open Source Solutions for Geospatial Data Processing and Representation", Faculty of Chemistry, Biology, Geography - West University, Timisoara 19-20 November 2010.
-V. Crăciunescu, F. Iosub, M. Terente OpenGeo Suite Community Edition: webmapping for everyone. Workshop held at the Geo-Spatial.org Conference "Free Open Source Solutions for Geospatial Data Processing and Representation", Faculty of Chemistry, Biology, Geography - West University, Timisoara 19-20 November 2010.
-F. Iosub The use of topological rules in gvSIG. Presentation held at the Geo-Spatial.org conference "Free Open Source Solutions for Geospatial Data Processing and Representation", Faculty of Geography - Babeş-Bolyai University, Cluj-Napoca April 16-18, 2010.
-F. Iosub and S. Constantin The use of topological rules in gvSIG. Workshop held at the Geo-Spatial.org Conference "Free Open Source Solutions for Geospatial Data Processing and Representation", Faculty of Geography - Babeş-Bolyai University, Cluj-Napoca April 16-18, 2010.

TECHNICAL SKILLS AND COMPETENCES

- More than 10 years of professional experience in the application / implementation of GIS technology in many fields (Environment, Hydrology, Emergency Situations, Agriculture, Forestry, Oil&Gas, Wind Energy, etc.) accumulated following the implementation of more than 25 projects at international, national and local levels.
- Very good skills in the use of open source and proprietary geospatial applications, such as: QGIS, SagaGIS, uDig, gvSIG, Geoserver, PostgreSQL / PostGIS, OpenLayers, OpenGeoSuite, Geopaparazzi, LeoWorks, SNAP, ESRI (ArcGIS Desktop and Server), ENVI, Global Mapper, Surfer, MSQL Server, AgiSoft, etc., applications used to carry out a multitude of spatial and geostrategic analyzes.
- Very good knowledge of project documentation, feasibility studies, cost-benefit analysis, drafting of technical offers, description of the technical solution and implementation of projects with geospatial component in various fields including Environment, Hydrology, Emergency Situations, Agriculture, Forestry, Oil&Gas, Wind Energy, etc.
- Specialized as a GIS Solution Architect and developer of information systems with a geospatial component.
- Extensive experience with research studies, feasibility assessment, planning, and assessment of environmental, economic and social impacts of GIS projects;
- Well acquainted with best practice and state-of-the-art GIS technologies in all related fields;
- Very well familiar with the best practices and technologies in the geospatial domain and a number of related fields (Remote sensing, UAV, Hydrological modeling, etc.).
- Full knowledge of the full flow required for the processing and analysis of the photos acquired by Unmanned Aerial Vehicle (UAV) to obtain orthophotomaps, digital terrestrial (DSM) models, 3D cloud, etc.
- Coordination project experience;
- Extensive experience with provision of technical assistance on all authority-levels.

COMPUTER SKILLS AND COMPETENCES

- Operating Systems: Windows, Mac OS, Ubuntu Linux;
- GIS softwares: ArcGIS Desktop, GeoServer, ArcGIS Server; Surfer, Gobal Mapper, QGIS, uDig, gvSIG, Saga GIS, AutoCad Map 3D, VTP;
- Databases: PostgreSQL, MicrosoftSQL, Oracle Spatial, MySQL, Access;
- Spatial Data Engine:PostGIS;
- Web mapping: Open GeoSuite, OpenLayers, JavaScript, ArcGIS Viewer for Flex;
- Remote sensing softwares: Envi. LeoWorks, Beam, AgiSoft Photoscan Professional.
- ETL: GeoKettle, FME, Data Interoperability , GDAL/OGR

DRIVING LICENCE(S) B, C, E