



Europass Curriculum Vitae

Personal information

Surname(s) / First name(s) **Petrila Marius**

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Nationality Romanian

Date of birth May/29/1967

Gender Male

Occupational field **Forestry Engineer, Spatial Data and GIS Specialist**

Work experience

Dates	2003-2007
Occupation or position held	Forest researcher at Forest Ecology Laboratory - Deputy Team Leader at G.I.S. and Remote Sensing division
Main activities and responsibilities	- building forestry GIS database for forest research purpose, provide GIS expertise in different projects - visual interpretation of satellite images, field control and validation - management of geographical data sets, data collection, maps processing and producing
Name and address of employer	Forest Research & Management Institute, sos Stefanesti no 128, Bucharest, Romania
Type of business or sector	Forest Ecology , G.I.S. and Remote Sensing
Dates	2001-2003
Occupation or position held	Quality Control for forest management planning and GIS
Main activities and responsibilities	- coordination of forestry GIS database building for Forest Districts - data collection, maps processing and producing - building forestry GIS database for forest research purpose, provide GIS expertise in different projects
Name and address of employer	Forest Research & Management Institute
Type of business or sector	Forest management planning and GIS
Dates	1999-2001
Occupation or position held	Head of Bucharest forestry management planning and G.I.S. division
Main activities and responsibilities	- coordination of forest management planning works - coordination of forestry GIS database building for Forest Districts, data collection, maps processing and producing
Name and address of employer	Forest Research & Management Institute, sos Stefanesti no 128, Bucharest, Romania
Type of business or sector	Forest management planning and GIS
Dates	1998-1999
Occupation or position held	Quality Control
Main activities and responsibilities	- quality control and coordination of forest management planning works
Name and address of employer	Forest Research & Management Institute, sos Stefanesti no 128, Bucharest, Romania
Type of business or sector	Forest management planning

Dates 1997-1999
Occupation or position held Project Manager for forest management planning
Main activities and responsibilities - coordination of forest management planning works
Name and address of employer Forest Research & Management Institute
Type of business or sector Forestry management planning

Dates 1991-1997
Occupation or position held Forest management planning engineer
Main activities and responsibilities - forest management planning works
Name and address of employer Forest Research & Management Institute – division Oradea
Piata Republicii nr. 1, 3700 Oradea, Bihor district, Romania
Type of business or sector Forestry management planning

Education and training

Dates Sept 2005 – Oct 2005
Title of qualification awarded Sustainable management in forestry and wood industry
Principal subjects/ occupational skills covered
- Implications of historical land use for present management
- Soil science and sustainable forestry
- Growth and simulation models as tools for SFM and improved value adding
- Wood as a renewable resource, innovative technologies in wood processing and utilization
- Consideration of risks and uncertainties in planning, methods for operational optimization
- Working techniques and social aspects of SFM, conflict management
- Forest associations for SFM in small scale forest ownership
Name and type of organisation providing education and training Tehnical University Of Munich –
School of Forest Science and Resource Management

Dates September 2002 - October2002
June 2005- July 2005
Title of qualification awarded GIS expert
Principal subjects/ occupational skills covered ArcGIS 8.x
ArcGIS 9.x
Name and type of organisation providing education and training ESRI Romania

Dates October 1986 – June 1991
Title of qualification awarded Forestry Engineer
Principal subjects/ occupational skills covered Topography, Photogrametry, Bothanics, Metheorology, Soils, Forest Ecology, Silviculture, Forestry
Genetics, Forest management planning, Phitopathology, Enthomology etc.
Name and type of organisation providing education and training University Of Braşov - Faculty Of Forestry And Forest Exploitation

Personal skills and competences

Mother tongue(s) Romanian

Other language(s)

Self-assessment

European level ()*

English

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent user	B2	Independent user	B1	Threshold user	B1	Threshold user	B1	Threshold user
B2	Independent user	B2	Independent user	B1	Threshold user	B1	Threshold user	B1	Threshold user

(*) *Common European Framework of Reference for Languages*

Social skills and competences	I am experienced in leading working teams, I have good communication skills and ability to work with other researchers
Organisational skills and competences	<ul style="list-style-type: none"> - More than 15 years experience (including 9 years of different levels of leadership) - Project manager for many years in forest management planning and in research projects including nature conservation issues in and out of protected areas. Working in forest management planning means also some aspects to follow in nature conservation (establishing the functions of the forest and describing stands, soil, ecological reconstruction solutions etc). - I have organized GIS and GPS courses for the forestry engineers of ICAS.
Technical skills and competences	<ul style="list-style-type: none"> - good skills in using GIS and remote sensing techniques, good knowledge on forest ecosystems, a systemic approach of the researched topics, interest and availability for research work - 6 years of GIS experience at the Ecology Laboratory and since 2003 as a Deputy Team Leader at G.I.S. and Remote Sensing division. - Forest management planning, project management, Forest Ecology, GIS, GPS, Remote sensing
Computer skills and competences	<ul style="list-style-type: none"> - Microsoft Windows 95/98/2000/XP - Microsoft Office 97-2003 - GPS professional device and software (Trimble GPS Pathfinder Office, Terrasync, ArcPad) - Specific forestry field measurements professional software and equipment (FieldMap – integrated field computer, GPS, electronic compass, laser rangefinder and inclinometer, vertex, electronic calliper) - G.I.S. and remote sensing software (ArcGIS 9.x, ArcView 3.X, AutoCad Map, VP raster, Erdas8.X) - Specific Romanian forest management planning professional software (AS) - Multimedia and image processing software
Other skills and competences	<ul style="list-style-type: none"> - Romanian official credential for ecological reconstruction works - Member in Romanian Workgroup for Forest Certification
Driving licence	B category
Additional information	<ul style="list-style-type: none"> - I like to make pictures. I like to travel and experience different cultures.
Annexes	List of works which best illustrates the capability to handle the tasks assigned in present project

Annexes

List of works which best illustrates the capability to handle the tasks assigned in present project

Date from - Date to	Location	Company	Position	Description
2006-2010	Bucharest Romania	ICAS	Project manager	Methodology of using orthophotomaps based on very high spatial resolution images and LIDAR for the forestry management planning and cadaster works on a test area
2006-2010	Bucharest Romania	ICAS	Expert, in charge with GIS application.	A Working Model Network of Tree Improvement for Competitive, Multifunctional and Sustainable European Forestry (TREEBREEDEX)
2005	Bucharest Romania	ICAS	Project manager	Digital mapping for the forested areas in the project "Lower Danube Green Corridor Atlas"
2005	Bucharest Romania	ICAS	Expert, in charge with GIS application.	Forest Vegetation Classification Technology Based on Remote Sensing data and GIS Database Building-up to Support FAO-LCCS Methodology in Romania
2005	Bucharest Romania	ICAS	Expert, in charge with GIS application.	New Aspects Regarding the Description and Demarcation of the Regions Provenance for The Forest Reproductive Materials From Romania
2004	Bucharest Romania	ICAS	Expert, in charge with GIS application.	Restoration of Forest Habitats from Pietrosul Rodnei Biosphere Reserve - Life Nature project (Life 2003 Nature RO/000027)
2004	Bucharest Romania	ICAS	Expert, in charge with GIS application.	The Analyse and Protection of the Virgin Forests in Romania - Study of stability factors in natural forest ecosystems
2004	Bucharest Romania	ICAS	Expert, in charge with GIS application.	Underlie of strategy for the ecological reconstruction and protection of the forest ecosystems from the Romanian Danube
2004	Bucharest Romania	ICAS	Expert, in charge with GIS application.	Use of the high spatial resolution satellite images for the sustainable management of the forest ecosystems
2003	Bucharest Romania	ICAS	Project manager	Use of digital orthophotomaps (scale 1:5000) based on very high spatial resolution satellite images and GIS analysis for the management planning works of Forest District Sacele
2001-2004	Bucharest Romania	ICAS	Expert, in charge with GIS application.	Technical standards for the building of forestry GIS database
2000-2003	Bucharest Romania	ICAS	Project manager and coordinator	Coordination of forestry GIS database building for Forest Districts TOMNATIC, BRĂNEȘTI, COTMEANA, PITEȘTI, CÂMPINA, COMANA, SINAIA
1991-2002	Bucharest Oradea Romania	ICAS	Project manager and coordinator	Project manager, quality control and coordination of forest management planning works