

## CURRICULUM VITAE



### PERSONAL INFORMATION

Name **MARIA VINCENZA CHIRIACÒ**  
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Date of birth 28. 01. 1982  
Citizenship ITALIAN



### WORK EXPERIENCE

- Dates (from – to) September 2011- August 2014  
• Name and address of employer **University of Tuscia**  
• Occupation or position held Research fellowship  
• Type of business or sector “Sustainability of agricultural policies and review of the scientific literature IPCC” – LCA (Life Cycle Assessment) of agro-food sector
- Dates (from – to) June – July 2013  
• Name and address of employer University of Tuscia  
• Type of business or sector Quantification of carbon stock and carbon credits evaluation generated from the production areas of fruit and vegetable of the Italian APO-CONERPO group  
• Occupation or position held Collaboration and expert advice
- Dates (from – to) From July 2012  
• Name and address of employer CMCC – Euro-Mediterranean Center for Climate Change  
• Type of business or sector The National Adaptation Strategy of Italy  
• Occupation or position held Coordination of the chapter on Forests
- Dates (from – to) May 2013  
• Occupation or position held Teacher at “Sustainability and quality of Italian Agro-food systems”  
Seminar-training for teachers-developers the training module courses in frame of **Tempus STREAM project** (530397-TEMPUS-1-2012-1-SK-TEMPUS-SMHES) “Strengthening the Lifelong Learning in Environmental Sciences in Russia (STREAM)”
- Dates (from – to) 15-16 June 2012  
• Type of business or sector Speaker at workshop “Energia in Movimento” - Viterbo  
• Occupation or position held Presentation on “Opportunità ed innovazione per il settore agricolo: la **Tuscia EcoSostenibile**”
- Dates (from – to) January 2012 - June 2012  
• Name and address of employer **CRA Arezzo**  
• Type of business or sector Collaboration and expert advice  
• Occupation or position held Carbon stock and carbon flux assessment in a national experiment project on sustainable agriculture - progetto OIGA MIPAAF VINI3S -Sostenibilità ambientale per la produzione di vini Salubri e di qualità Superiore

- Dates (from – to)
- Name and address of employer
  - Type of business or sector
  - Occupation or position held

December 2010 – February 2011

**INEA** – Istituto Nazionale di Economia Agraria, Roma  
Osservatorio Sviluppo Rurale - Rete Rurale Nazionale  
Research and expert advice on rural development and climate change.  
PSR, CAP and evaluation of the spending power.

- Dates (from – to)
- Name and address of employer
  - Type of business or sector
  - Occupation or position held

From 2012

**INEA** – Istituto Nazionale di Economia Agraria, Roma  
Osservatorio Foreste  
Member of the Nucleus of Carbon Monitoring for the evaluation and monitoring of the progress of the market for forest and agro-forest carbon credits

- Dates (from – to)
- Name and address of employer
  - Type of business or sector
  - Occupation or position held

December 2010 – April 2011

**INEA and Italian Ministry of Forestry and Agriculture**  
Rural 4 Teens  
Pilot project for Environmental Education for teenagers: The rural landscape and the 4 challenge: energy, climate, biodiversity and water.

- Dates (from – to)
- Name and address of employer
  - Type of business or sector
  - Occupation or position held

15-16 November 2010

Florence  
ARSIA Tuscany Region and “Compagnia delle Foreste”  
Course on LIDAR technology for the assessment of agro-forestry biomass

- Dates (from – to)
- Name and address of employer
  - Occupation or position held

5 – 7 October 2010

Roma – **FAO** HQ  
Participation and organization.  
Conference-forum co-organized by the University of Tuscia and the FAO (Food and Agriculture Organization of the United Nations), with the support of IUFRO (International Union of Forest Research Organizations) as an event of the World Forest Week.  
International Conference-Forum on: “Emerging Economic Mechanisms: Implications for Forest-Related Policies and Sector Governance”

- Type of business or sector

- Dates (from – to)
- Name and address of employer
  - Type of business or sector
  - Occupation or position held

29 September – 2 October 2010

Hammamet, TUNIS - **Tunisia**  
AGORA Project organized by EFI-MED (European Forest Institute – Mediterranean Regional Office).  
Workshop on “Adapting Mediterranean forests to climate change: Genetics / Economics / Management”

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  - Type of business or sector
  - Occupation or position held

7- 10 June 2010

Roma  
**FAO** Roma HQ – Forestry Department  
Workshop on “TOF Thematic Study on Trees Outside Forest for the Forest Resources Assessment 2010”. Agro-forestry carbon credit accounting

- Dates (from – to)
- Name and address of employer
  - Type of business or sector
  - Occupation or position held

13 – 18 april 2009

Antalya - **Turchia**  
Antalya University: SAFRI (Southwest Anatolian Forest Research Institute), EFIMED (Mediterranean Regional Office of the European Forest Institute), PHOENIX (Project Centre on fire ecology of the European Forest Institute), and COST Action FP0701 (Post-fire forest management in southern Europe).  
Course on impacts of Forest Fires and post-fire management – **Cost Action FP0701**

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- Main activities and responsibilities

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1 – 30 July 2007

#### **South Africa**

International Forestry Student Symposium – IFSA Nelson Mandela Metropolitan University Campus - George (Cape Town).

Meeting on landuse management and forestry utilization, Carbon sinks

October 2009

Workshop

Phytoremediation

AIAPP (Associazione Italiana Architetti Paessaggisti)

Centro Cultura Ecologica (CCE) – Park of Aguzzano Roma

Aquatic plants and constructed wetlands; marsh plants for a demonstrative project of phytoremediation; decorative value, ecological and economic development of constructed wetlands and meadows of wild flowers for construction of a bio-pond and a bio-lake, techniques and requirements of an installation and maintenance.

October 2008 – December 2010

Collaboration with AmbientEnergia Group.

journalistic, events, thesis and scientific research, with particular attention to the environment, energy and sustainable development and tourism published daily on the website [www.ambientenergia.info](http://www.ambientenergia.info)

February - July 2006,

Erasmus student at **SLU University** of Uppsala – Sweden

collaboration with the Department of Wood anatomy and Forest management in laboratory research activities and collection and statistical elaboration of field data about the natural regeneration of Scots Pine forests.

FEBRUARY – JULY 2006

#### **SLU University - Sweden**

University

Laboratory research and practice

Study of wood structure of softwood (Gymnosperms)

JULY 2005

“Terradimezzo” Cooperative s.r.l. Lecce - Italy

Summer camps

Collaboration

Environmental trainer in summer camps addressed to young boys between 6 and 12 years organised for WWF Italy

JUNE – SEPTEMBER 2004

“Terradimezzo” Cooperative s.r.l. Lecce - Italy

Regional Park “Bosco e Pauludi di Rauccio” - Lecce

Collaboration

Management and organization of recreational activities for tourist and cultural fruition of the Park.

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  - Occupation or position held
- Main activities and responsibilities

SEPTEMBER – DECEMBER 2003  
 Ispettorato Ripartimentale delle Foreste di Lecce  
 Regione Puglia - Italy  
 Practice  
 Management and organization of a forestry nursery

- Dates (from – to)
- Name and address of employer
  - Type of business or sector
  - Occupation or position held
- Main activities and responsibilities

JULY 2003  
 University of Bari  
 Regione Puglia and Faculty of Veterinary Medicine  
 Practice  
 Management and organization in bee-breeding and apiculture

## EDUCATION AND TRAINING

- Dates (from – to)
- Name and address of employer
- Main activities and responsibilities

march 2010 – march 2011

### **Master II level**

New professions: the environment as an opportunity.

Specific address: The market of agroforestry carbon credits: methodology for assessment and certification.

University of Tuscia and Ministry of Environment.

International policies and protection of the global environment, with particular reference to the promotion of international projects and the national strategy for the sustainable management of forest areas and agro-forestry in order to provide solutions that address comprehensively the challenge of reducing of CO2 emissions and compensate with CO2 sinks

- Dates (from – to)
- Name and address of employer
  - Type of business or sector
  - Occupation or position held
- Main activities and responsibilities

NOVEMBER 2007 – OCTOBER 2010

University of Tuscia (Viterbo) – Dept. DISAFRI

University

### **PhD**

Forest inventory and Trees outside forests (TOF) methodology of inventory. Climate change and its impact on dynamics of forestry vegetation in mountain environment – Environmental impact assessment - Sustainable forest management – localization of refuge areas for protection of biodiversity.

Carbon credits assessment methodology in the forest areas and trees outside the forest; CO2 uptake in aboveground biomass, soil and litter of non-forest vegetation formations and green urban environment.

Evaluation and study of forests, olive-groves, vineyards and trees outside forests as sinks of CO2; indices of productivity 'woodland and biomass assessment.

Study of climate change and its impact on the dynamics of forest vegetation - environmental impact assessments - sustainable forest management - identification of protected areas for the conservation of biodiversity, GIS and geographic information systems.

- Dates (from – to)
- Name and type of organization
  - Principal subjects
  - Title and main activities

March – September 2009

ICE (Institute for Foreign Trade – Italian Ministry of foreign affairs), Rome.

Postgraduate course

“Internationalization of nursery companies”

<ul style="list-style-type: none"> <li>• Dates (from – to)</li> <li>• Name and address of employer <ul style="list-style-type: none"> <li>• Type of business or sector</li> <li>• Occupation or position held</li> </ul> </li> </ul>	<p>October – December 2009</p> <p><b>Italian Embassy of Tunis</b> – Dpt. of Foreign Trade – 3, Rue de Russie 1000, Tunis.</p> <p>Nursery market and import-export Italy-Tunisie</p> <p>Stage: “Italian import-export and trade in Tunisian nurseries and garden centres”.</p>
<ul style="list-style-type: none"> <li>• Dates (from – to)</li> <li>• Title of qualification awarded</li> </ul>	<p>February 2008</p> <p>Official exam and qualification to practice freelance as agronomist and forest manager.</p>
<ul style="list-style-type: none"> <li>• Dates (from – to)</li> <li>• Organization providing education <ul style="list-style-type: none"> <li>• Title of qualification awarded</li> <li>• Principal subjects/occupational skills covered</li> <li>• Level in national classification</li> </ul> </li> </ul>	<p>October 2004 – June 2007</p> <p>University of Tuscia - Viterbo</p> <p>Master's Degree</p> <p>Conservation and restoration of forestry environment and preservation of soil (Conservazione e Restauro dell'Ambiente Forestale e Difesa del Suolo)</p> <p>Full marks (110/110 cum laude e plauso accademico)</p>
<ul style="list-style-type: none"> <li>• Dates (from – to)</li> <li>• Organization providing education <ul style="list-style-type: none"> <li>• Title of qualification awarded</li> <li>• Principal subjects/occupational skills covered</li> <li>• Level in national classification</li> </ul> </li> </ul>	<p>October 2000 – April 2004</p> <p>University of Bari</p> <p>Bachelor's Degree</p> <p>Forestry (Scienze forestali e ambientali)</p> <p>Full marks (110/110 cum laude)</p>
<ul style="list-style-type: none"> <li>• Dates (from – to)</li> <li>• Title of qualification awarded</li> <li>• Principal subjects/occupational skills covered</li> <li>• Level in national classification</li> </ul>	<p>July 2000</p> <p>High school</p> <p>Diploma of high school (Liseo Scientifico “C. De Giorgi” Lecce)</p> <p>96/100</p>

## PERSONAL SKILLS AND COMPETENCES

*Acquired in the course of life and career  
but not necessarily covered by formal  
certificates and diplomas.*

MOTHER TONGUE	ITALIAN
OTHER LANGUAGES	
<ul style="list-style-type: none"><li>• Reading skills</li><li>• Writing skills</li><li>• Verbal skills</li></ul>	ENGLISH excellent excellent excellent
<ul style="list-style-type: none"><li>• Reading skills</li><li>• Writing skills</li><li>• Verbal skills</li></ul>	SPANISH good good good
SOCIAL AND ORGANISATIONAL SKILLS AND COMPETENCES	Very good skills in living, working and cooperating with other people, in multicultural environment, acquired with other students and workers, outside my family and my city, for reasons of study: e.g. Erasmus project in Sweden (6 months); study journeys (Symposium IFSA South Africa, 1 month July 2007) and leisure journeys. Also the job opportunities abroad in research and study groups where communication is important and teamwork is essential have been very important, as well as the involvement in sporty groups, e.g. female football team; speleology in group; football referee.
TECHNICAL SKILLS AND COMPETENCES	Windows, Linux, Office; Photoshop; CAD (Computer Aided Design); GIS (arcview, arcmap, Idrisi) and GPS; Internet: Mozilla, Explorer.
ARTISTIC SKILLS AND COMPETENCES	Skills in reading music and playing piano. Percussion instruments (tamburello a cornice with bells)
OTHER SKILLS AND COMPETENCES	Reading, music, traditional and popular music, traveling, sport Football referee at A.I.A. in Viterbo Speleology activity (I level at S.I.S. Italy)
DRIVING LICENCE(S)	Driving license cat. B
ADDITIONAL INFORMATION	Traveling availability and time flexibility.

## PUBBLICATIONS

IPCC, Fifth Assessment Report (AR5), Working Group II, contributing author on Chapter 23. "EUROPE" (publication on march 2014)

Contributing author alla Strategia Nazionale di Adattamento ai Cambiamenti Climatici (prevista in uscita per dicembre 2013)

M. V. Chiriaco, L. Perugini, D. Cimini, E. D'Amato, R. Valentini, G. Bovio, P. Corona, A. Barbati **Comparison of approaches for reporting forest fire-related biomass loss and greenhouse gas emissions in Southern Europe**. International Journal of Wildland Fire, 2013

Rete Rurale Nazionale, **I Boschi Italiani**. settembre 2012

Hörfeldt R., Hu B., Chiriaco M.V. (2012): **Optimum timing of soil scarification for the natural regeneration of Pinus sylvestris in Central Sweden**. Scandinavian Journal of Forest Research, Volume 27 (5) 424-431, 2012 DOI:10.1080/02827581.2012.657669

Corona P., Agrimi M.G., Baffetta F., Barbati A., Chiriaco M.V., Fattorini L., Pompei E., Valentini R., Mattioli W. **Extending Large-scale forest inventories to assess Urban forests**. Environmental monitoring And assessment, ISSN: 0167-6369 (2011)

P. Corona, R. Cibella, T. La Mantia, M.V. Chiriaco. **Sistemi di tariffe di cubatura per le fustaie di pino d'Aleppo, pino laricio e pino domestico della Sicilia** - L'Italia forestale e montana 62 (2): 121-128, 2009

A. Barbati, P. Corona, M.V. Chiriaco, L. Portoghesi. **Indici di produttività boschiva, rilievo indici di relazione tra produzioni forestali e biomassa residuale associata, analisi del mercato della biomassa forestale in Italia** - Enea: Report RSE/2009/51

Corona P., Chiriaco M.V., Salvati R., Marchetti M., Lasserre B., Ferrari B. **Proposta metodologica per l'inventario su vasta scala degli alberi fuori foresta** - L'Italia forestale e montana 64 (6): 367-380, 2009

M.V. Chiriaco, P. Corona, O. Ciancio, L. Portoghesi. **Ruolo delle aree sperimentali permanenti nello studio dell'evoluzione della diversità strutturale di soprassuoli forestali in relazione ad interventi culturali** - Presentazione Convegno SISEF 21-23 maggio 2008 - Sardinia (TN)

## POSTER:

**Compost di qualità da vinacce per la sostenibilità ecologica ed economica dell'azienda vitivinicola**. P. Cirigliano, M. V. Chiriaco, L.M. Botti. Convegno "Stato dell'arte della ricerca sulle colture arboree nel Lazio" ex facoltà di agraria - Viterbo, 23 aprile 2013

**Sostenibilità ambientale della viticoltura nella Toscana viterbese: produzione ed utilizzazione di compost "on-farm"**. P. Cirigliano, M. V. Chiriaco, L.M. Botti. ENOFORUM 2013 - 8° Convegno Tecnico Scientifico sul Vino - Arezzo, 7-9 maggio 2013

Viterbo, 10 12 2013