

# Curriculum Vitae - Elisabetta Peccol

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Dott.ssa Elisabetta Peccol  
Dipartimento di Scienze Agrarie e Ambientali  
Università degli Studi di Udine  
Via delle Scienze 208  
33100 Udine - ITALY  
Tel . 0432 558657 (ufficio)  
Cell. servizio 320 4365810;  
Fax 0432 558603  
email [elisabetta.peccol@uniud.it](mailto:elisabetta.peccol@uniud.it)  
Nationality Italian



## Education

- 1994 Master of Philosophy (M. Phil), Silsoe College, Cranfield University, United Kingdom. Research thesis: A GIS based dataset to assess the influence of Countryside Planning Policies on Landscape change in Bedfordshire. (2 years)
- 1987 Degree in Agricultural Sciences, University of Udine (Mark 110/110) (BSC and MSC)

## Short specialization courses

- 2011 Joint Research Centre of the European Commission, ISPRA IT G03: Unit of Econometrics and Applied Statistics: "Constructing Composite Indicators: From Theory to Practice" 23 – 25 May
- 2008 University of Udine, Faculty of Engineering, Course of Spatial Planning (4 CFU)
- 1999 Italian Remote Sensing Society (AIT) and National Research Council. Florence IT : "Image processing in environmental remote sensing" 19 – 23 April 1999

## Present Research and Teaching Interests

Urban - rural land use change , land take and soil sealing  
Mapping ecosystem services  
Assessing multi-functionality of green infrastructures  
Land suitability and multi Criteria Decision Making

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## Academic positions

- 1995 to present Assistant Professor (Ricercatore confermato) Dipartimento di Scienze Agrarie e Ambientali, Università degli Studi di Udine. Settore AGR/10 - Costruzioni Rurali e Territorio Agroforestale
- 1994 - 1995 Research assistant, Soil Survey and Land Research Centre (School of Agriculture, Food and Environment , Cranfield University, UK);
- 1992 - 1994 Research fellow, Rural Land Use Department, Silsoe College, Cranfield University (United Kingdom) NATO-CNR Grant;
- 1988 - 1991 Research fellow, Dipartimento di Scienze Agrarie e Ambientali, Università degli Studi di Udine. Fellowship by the Direzione Agricoltura della Regione Autonoma Friuli Venezia Giulia

## Academic Teaching experience

- 2001 to present Professore aggregato di Analisi e pianificazione del territorio rurale (Spatial Analysis and Planning of Rural Land) (6 CFU) Laurea magistrale (MSC) in Scienze e tecnologie per l'ambiente e la natura, University of Udine
- 2004 to 2011 Professore aggregato di Sistemi informativi territoriali (Geographical information systems) (4 CFU) Laurea triennale (BSC) in Scienze per l'ambiente e la natura, University of Udine
- 2004 to 2008 Monographic lectures on “Electro - optical satellite remote sensing” Laurea triennale (BSC) in Scienze per l'ambiente e la natura, University of Udine, Course of Geomatics, lectured by Prof. P. Bonfanti
- 2005 Seminar “The role of GIS in water resource management” in the  
2004 Postgraduate Master on “Management and treatment of industrial waters” School of Environmental Chemical Engineering, University of Verona
- 2004 Module on “ Basic principles of electro-optical remote sensing”, in the post-degree Master in Geographical information systems, University of Udine
- 2000 Module on “Land cover monitoring with remote sensing ” in the post-degree Master in “Water and Environmental management” , Scuola Superiore of the University of Catania
- 1998 to present Supervisor in several BSC and MSC thesis at the University of Udine

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## International Academic Teaching experience

- 2004 Invited seminar, School of Geoinformation of the Carinthia Technical Institute, Villach, Austria on "Metadata for Geographic and Environmental data"
- 2003 to 2006 Coordinator of the Inter-University Cooperation under Socrates programme – Teaching Staff Exchange between the University of Udine and the University of Cranfield (United Kingdom)
- 2005 Invited seminars in the Master (MSc) di Geographical Information Management (GIM) Silsoe College, Cranfield University (United Kingdom) “Monitoring land use change since the 1950's: the MOLAND FVG Project”
- 2004
- 2003 Project proposal application, organization and coordination of the International Double degree programme (3 years) between the University of Udine and the Cranfield University (UK)
- 2004
- 2005
- 1999 Lecturer in the distance learning international programme in GIS, UNIGIS Module 5: Data acquisition. IUAV, University of Venice (Italian partner).
- 1998
- 1997 Invited seminar at the Department of Soil Science and Water Management, Pannon Agricultural University (Mosonmagyaróvár, Hungary) "Latest developments in agricultural applications of electro-optical remote sensing”

## Other Teaching experiences

- 2008 to 2013 Lessons in the module on “Spatial and environmental datasets for VIA and VAS” FES postgraduate course La VIA e la VAS, CEFAP or ENAIP Udine and Pordenone
- 2010 Seminar on “Georeferencing raster data in GIS, theory and practice” Federazione Regionale degli Ordini dei Dottori Agronomi e Dottori Forestali del Friuli Venezia Giulia, (chartered professional agronomists and forestry professionals)Udine
- 1998 -2006 Lessons of theory and practicals on GIS and remote sensing in many FES postgraduate courses by IAL, ENAIP, CEFAP

## Research experience

Land use change and landscape fragmentation analysis, particularly in urban sprawling areas

Multi Criteria Decision Making to assess ecosystem services of open-land and

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green infrastructures

Land suitability analysis application, particularly to rural tourism and recreation

Development and use of spatial databases with geographic information systems (ArcGIS, Idrisi and Quantum GIS) particularly within the framework of land use change analysis

Development of geographic metadata profiles according to the INSPIRE ISO 19115 standard

## Participation in research projects (selected)

- 14 months      “A Catalogue of environmental datasets to support Environmental Impact Assessment in the Friuli Venezia Giulia region” funding by the RAFVG Servizio per la valutazione di impatto ambientale. Coordinator and principal investigator
- 24 months      Project "MOLAND-FVG: analysis of land use change in the Friuli Venezia Giulia region" University of Udine Unit (in partnership for the Institute for Environment and Sustainability, JRC, Ispra). Coordinator and principal investigator in the UNIUD Unit
- 24 months      PRIN 2000 “Assessment of high resolution Ikonos satellite data for landscape and land cover analysis by photointerpretation techniques” (Scientific coordinator Prof. P. Bonfanti). Research assistant o
- 12 months      PRIN 1999 "Agricultural systems and water protection: a study case in the Upper Friuli Plain”. Research assistant for the : development of a spatially explicit method to estimate N and P inputs from agricultural land use.

## Affiliations

Italian Association of Agricultural Engineering (AIIA)

Chartered Professionals in Agriculture and Forestry