

A true EU policy insider with 28-year professional experience in EU sustainable development policy-making, communication, R&D and teaching

Excellent capacity to process and communicate political, strategic and technical information

Wide range of interrelated areas of expertise: sustainable development, environment, climate, food and agriculture, sustainable consumption, energy, transport, information society, urban sustainability, R&D and innovation

Author of a book on climate governance (Springer, October 2020)

Adjunct Professor at University of Bologna (from January 2023), Associate lecturer at Ca'Foscari university and regular Visiting Professor (more than 15 universities as hosts since 2006)

17-year middle management experience with a strong ability to motivate staff

## ***PROFESSIONAL EXPERIENCE***

### ***Middle management***

**Head of Unit “Section on Agriculture, Rural development and the environment, and Sustainable Development Observatory”**, European Economic and Social Committee (EESC), managing a team of 14 persons supporting the preparation of opinions by the EESC Members, from 01/04/2015

**Head of Unit “Transport, Energy, Infrastructure and information society”**, EESC, managing a team of 15 persons supporting the preparation of opinions by the EESC Members, from 01/06/2006

**Head of Sector “Urban environment”**, European Commission (EC), Directorate General for Research, managing a team of 10 persons dealing with R&D on urban governance, infrastructures, technologies, to promote sustainable urban development. Scientific, administrative and financial management; annual budget of €20-30 million; from 01/07/2003 to 31/05/2006

### ***EU Policy insider and analyst***

- author of the book “The Climate Crisis, Democracy and Governance”, Springer, Climate Studies series, October 2020

- co-management of the European Stakeholder Circular Economy Platform with the European Commission since 2016

- drafting and follow-up of the EC Communication on “Environmental Technologies Action Plan” (2004)

- follow-up of the EU Sustainable Development Strategy and of the UN Commission on Sustainable Development (2003-2006)

- initiation and follow-up of the research cooperation between European Commission (DG RTD) and UN-HABITAT (from 06/2002 to 06/2006)

## **Lecturing**

- **Adjunct Professor** at University of Bologna, Study course on Resource Economics and Sustainable Development (from January 2023)
- **Associate lecturer** of the PhD program on climate sciences of Ca'Foscari University (since 2019)
- **Lecturer (Maître de conférences)** at the *Université des Sciences et des Technologies de Lille*, lecture in *Management of environment in the entreprise* in the frame of a DESS in 'Water engineering', half-time position (from 01/94 to 12/94)
- **Junior lecturer** at the *Institut Meurice Chimie*, lecture for the laboratory of *general chemistry* (from 09/86 to 09/87)
- Regular **Visiting Professor** in various European/non-European universities and research organisations: Peking University (18-22 December 2006), Kyoto University (23-27 July 07, July 09, July 2011, July 2022), University Roma Tre (26-28 November 07), Ca'Foscari University (2008), Ryokoku and Kyoto Universities (20-31 July 2009), Technion University (2009), Coimbra University (July 2012), La Sapienza Roma university (July 2013), Musashino University (July 2014, December 2017, July 2019), Technical University of Berlin (2015), University of Minho (2016), Universidad Nacional de Educación a Distancia, Madrid, (July 2018), University of Coimbra (July 2020), University of Ritsumeikan (December 2021)

## **Communication**

- **EC information officer** of the Task Force *Car of Tomorrow* (01/96 to 12/98), Non-Nuclear Energy (JOULE) research programme (06/96 to 12/98), and Environment and Sustainable Development Programme (01/99 up to 12/2002). This implied the drafting of briefing notes and speeches (e.g. for the Research Commissioners Edith Cresson and Philippe Busquin), "success stories" about European R&D projects, press releases, the organisation of conferences, the realisation of publications and videos etc.
- **Free-lance scientific journalist** with different press organs: more than 400 papers on science & technology, environment, management, etc., in different newspapers and magazines: *Le Soir*, *Libération*, *Trends-Tendances*, *L'Instant*, *La Recherche* etc. (from 04/90 to 12/94)

## **R&D**

**Management of R&D projects - Scientific officer, European Commission, Directorate General for Research**, successively in charge of R&D projects in the areas of:

- new cleaning processes for water and waste treatment, and for chemical and petrochemical industries: EC, DG RTD, 05/94 to 12/95
- transport (Task Force *Car of Tomorrow*) and fuel cell/hydrogen (energy technology for transport and stationary applications): EC, DG RTD, 01/96 to 03/99
- transport, infrastructure, land use and spatial planning (Key Action City of Tomorrow): EC, DG RTD, 03/99 to 05/06

**Researcher** under BRITE-EURAM contract at the *Laboratoire de Catalyse Hétérogène et Homogène* of the university of Lille, for a doctoral thesis (from 09/90 to 09/93)

**Researcher** in a Japanese chemical industry (HARIMA Chemicals) in Tsukuba (from 07/92 to 09/92)

**Researcher** under BRITE-EURAM contract at the *Laboratoire de Physico-Chimie et de Catalyse* of the Université Catholique de Louvain (UCL, from 09/87 to 09/90)

**Abstracting of scientific papers** for the American scientific journal *Ceramic Abstracts* (from 02/91 to 09/93)

### ***Scientific consulting***

- Consultant position for the realisation of the 1993 annual report of the *Joint Research Centre* of the European Commission (Ispra, Italy) (from 09/93 to 01/94);
- Participation to various "scientific evaluation" exercises (e.g. Euromanagement programme related to the assistance to SMEs, former DGXXIII; valorisation of RTD proposals in BRITE/EURAM programme; production of media events for the Communication Unit of DG Research)

### ***EDUCATION***

2002 - Certificate in management of innovation, from the *Université Catholique de Louvain*, Belgium

1994 – Special lectures on management of environment, from the *Université de Mons-Hainaut*, Belgium

1993 - European doctorate in physical chemistry, *Université des Sciences et Technologies de Lille*, France, summa cum laude with jury's congratulations

1989 - Special bachelor's degree in Applied Natural Sciences, orientation New Materials, *Université Catholique de Louvain*, Belgium, summa cum laude

1986- Industrial engineer in chemistry, *Institut Meurice Chimie*, Belgium, magna cum laude

### ***VISITING PROFESSORSHIPS***

- University of Peking (18th December 2006 to 22 December 2006) (China)
- University of Kyoto, Professor Kazuhiro Ueta, Graduate School of Economics (July 2007) (Japan)
- University of Kyoto, Professor Kazuhiro Ueta, Graduate School of Economics (July 2009) (Japan)
- Salerno University, Professor Vincenzo Galdi, Department of Information and Electrical Engineering (July 2010) (Italy)
- University of Kyoto, Professor Seiji Ikkatai, Institute of Economic Research (July 2011) (Japan)
- Coimbra University, Professor Luis Neves, Department of Earth Sciences of the Faculty of Sciences and Technology (July 2012) (Portugal)
- ENEA, Dr. Francesco Di Mario, Head of Technical Unit for Renewable Energy Sources (July 2013) (Italy)
- Università degli studi di Roma "La Sapienza", Professor Francesco Filippi, Faculty of Engineering (July 2013) (Italy)
- Musashino University, Professor Seiji Ikkatai, Faculty of Engineering Department of Environmental Systems Sciences, Japan (July 2014) (Japan)
- Berlin University of Technology, Professor Hans-Liudger Dienel, Department on Work and Technology (July 2015) (Germany)
- University of Minho, Professor Júlia Lourenço, Centro do Território, Ambiente e Construção (July 2016) (Portugal)
- University of Musashino, Professor Seiji Ikkatai, Faculty of Engineering Department of Environmental Systems Sciences, Japan (December 2017)
- Universidad Nacional de Educación a Distancia, Professor Pedro García Ybarra, Department of Física Matemática y de Fluidos, Facultad de Ciencias, Madrid (July 2018) (Spain)
- University of Musashino, Professor Seiji Ikkatai, Faculty of Engineering Department of Environmental Systems Sciences Japan (July 2019)
- Coimbra University, Professor Manuel Carlos Gameiro da Silva, Department of Mechanical Engineering (July 2020) (Portugal)

- Ritsumeikan University, Professor Izumi Inasawa, Graduate School of Economics Japan (December 2021)
- University of Kyoto, Professor Motoki Akitsu, Department of Resource Economics (July 2022) (Japan)

### **REGULAR COURSE**

- Adjunct Professor (30 hours) on "Towards Sustainability – Moving from theory to practice through reformed decision-making", Study course on Resource Economics and Sustainable Development (from January 2023)
- Associated lecturer (9 hours) on "EU climate and energy policies" as part of the PhD program on climate studies of Ca' Foscari University, Venice (invited since 2008) (Italy)

### **LECTURER AT DIFFERENT UNIVERSITIES/RESEARCH ORGANISATIONS**

- Ecole Nationale des Sciences Chimiques de Paris, La Sorbonne (France)
- Université des Sciences et des Technologies de Lille (France)
- CIEMAT in Madrid (Spain)
- Technical University of Gdansk
- University of Lomza (Poland)
- Aristotle University of Thessaloniki (Greece)
- Università degli studi Roma tre (Italy)
- Ecole des Mines of Albi, France
- University of Tongji of Shanghai (China)
- University of Jiao Tong Shanghai (China)
- Technion University (Israel)
- Ryokoku University (Japan)
- Pontevedra UNED university (Spain)
- Tezukayama University (Japan)
- Fondazione Eni Enrico Mattei, Venice, May 2016 (Italy)
- New-York University, USA (lectures on sustainable policy systems, November 2017)
- Waseda University, December 2020 (Japan)

### **ACADEMIC-RELATED ACTIVITIES**

Member of the jury of a doctoral thesis on “public spaces in urban areas”, University of Liège, May 2005  
 External Member of the Board of the School of Chemistry of the University of Lille I, France (since 2012)

### **TRAINING**

- Industrial training in CPC (Corn Product Corporation), Brussels (07/85); theme *Study of the behaviour of industrial yeasts*
- One-week visit of laboratories and industries of the biotechnological sector in Baltimore (Maryland, U.S.A, 01/89);
- One-month training in the laboratory of Professor G.M.Pajonk of Lyon, **France** (07/91); theme: *Synthesis of highly-porous materials by supercritical drying*;
- Two-months training in the Japanese industry Harima Chemicals Inc. located in Tsukuba **Japan**) in the frame of a collaboration between E.C. and Japan (REES programme) (from 07/92 to 09/92)); Theme: *Synthesis of fine metallic powders from rosin metal salts*;
- One-month training in the laboratory of Professor R.A.L.Drew (Mc Gill University of Montreal, **Canada**, from 07/93 to 08/93); theme: *Sintering of doped-AlN powders*;

- One-week training in the laboratory of Professor R.Kaner (University of California, Los Angeles, USA, 01/08/93 -> 08/08/93); theme: *Synthesis of fine nitride powders via solid-state metathesis reactions*.
- Two-week training on “Market and product strategy“ organised by the EU-Japan Centre for industrial cooperation (Tokyo, **Japan**, 6-16/07/98)
- One-week training on Macroeconomics organised by EC (Brussels, **Belgium**, 12-16/10/98)
- One-week training on French administration and regional land use planning (Paris-Lille, **France**, 22-26/11/99)
- One-day training on policy impact assessment (Brussels, 19/11/03)
- Three-day visit of nuclear facilities in France (France, 04/07)
- Media Training (Brussels, 05/08)
- The economic evaluation of projects and policy decisions (Brussels, 2 days, 10/2008)
- Effective Head of Unit (11-13/02/09 and 4-6/03/09)
- Methods and tools of strategic forward looking, Futuribles (Paris, France, 26-27 March 2009)
- Social media (September 2013)
- EU energy policy (June and October 2013)
- Stakeholder engagement through participatory leadership (September 2014)

### ***LANGUAGES***

**French:** mother tongue; **English:** fluent; **Spanish:** low; **German:** low; **Italian:** low; **Dutch:** passive knowledge

### ***HOBBIES / SOCIAL ACTIVITIES / OTHERS***

- Reading, music, theatre, oenology (1 year course in 1991), hiking, gardening, contemporary art
- creation of a Youth Association and a “cine-club” in Anderlecht, Brussels (1980)
- President of Belgian election bureau at regular intervals (since 2001)