Curriculum Vitae

Personal information

Surname / First name	**BONTOUX Laurent**		
Institutional address	CDMA 04/016		
E-mail	laurent.bontoux@ec.europa.eu	Telephone:	+32 2 299 13 63
Nationality	French	Gender:	Male
Date of birth	January 9, 1962	Marital status:	Separated, 3 children

Work experience

Dates	May 2014 – present
Position held	**Senior Policy Analyst**
Main activities and responsibilities	• Project leader for the JRC foresight study on the sustainable transition, for the JRC study on the future of industry; • Developing tools and methods to use foresight and behavioural insights to support policy making (e.g. serious game, horizon scanning, sharing economy, circular economy) • Ad hoc policy support in issues related to technology and society
Organisation	**DG JRC** – Foresight and Behavioural Insights Unit, Brussels
Dates	May 2012 – May 2014
Position held	**Senior Policy Analyst**
Main activities and responsibilities	• Project leader for the JRC foresight study on eco-industries; • Work on the usability of foresight results • Editor, JRC "Scanning the Horizon Bulletin" • Ad hoc policy support in issues related to technology and society
Organisation	**DG JRC** - Directorate for Scientific Policy and Stakeholder Relations, Brussels
Dates	November 2007 – May 2012
Position held	**Scientific Committee Management Officer**
Main activities and responsibilities	• Responsible for managing the Scientific Committee on Emerging and Newly Identified Health Risks (SCENIHR) and interface with policy; • Management of the policy file on electromagnetic fields and health • Co-management of the policy file and scientific advice on nanotechnologies, in particular the definition of the term "nanomaterial". • Stakeholder engagement, behavioural issues. • Development of foresight approaches to deal with emerging issues and risks;
Organisation	**DG SANCO** - Directorate Public Health and Risk Assessment, Brussels
Dates	May 2001 – October 2007
Position held	**Programme Officer**
Main activities and responsibilities	• Preparation of the Multi-Annual and Annual Work Programmes of the JRC; • Planning of resources; support to evaluation and ABM cycle; coordination with other DGs • Horizon scanning in support of the development of thematic strategies at the JRC; • Development of thematic strategies and follow up of activities for the Joint Research Centre, in particular in the areas of chemicals, environment & health, nanotechnologies and energy;
Organisation	**DG JRC** - Directorate of Programme and Resources Management, Brussels
Dates	September 1998 – May 2001
Position held	**Scientific Officer in food safety and environment& health**

Main activities and responsibilities	• Project negotiations and management; moderation of expert panels; • Officer in charge of the research for the EU-US WTO case on hormones in meat • Member of the Commission Task Force on the Belgian PCB crisis ("dioxins in chicken") • Member of the Commission ISG on the Precautionary Principle (1999-2000)
Organisation	**DG RTD** - Quality of Life Programme; Health, Food and Environment Unit, Brussels
Dates	September 1994 – September 1998
Position held	**Scientific Officer**
Main activities and responsibilities	• Monitoring, analysis and reporting on the techno-economic aspects of environmental issues, in particular wastewater reuse, biotechnology, food, chemicals and waste • Studies on waste management for the European Parliament • Technology foresight and technology assessment. • Development of an information system for technological intelligence.
Organisation	**DG JRC** – Institute for Prospective Technological Studies, Seville, SPAIN
Dates	August 1993 – September 1994
Position held	**Scientific Officer**
Main activities and responsibilities	• Developing know how in prospective and foresight methodologies; • Technology watch and horizon scanning in environmental and technological issues; • Analyses of "green" accounting and life-cycle assessment methodologies
Organisation	**DG JRC** – Institute for Prospective Technological Studies, Ispra, ITALY
Dates	April 1990 – July 1993
Position held	**Environmental Safety Scientist**
Main activities and responsibilities	• Development of the environmental safety profiles of ingredients in fabric softeners; • Development of Industry position on the EU ecolabel for detergents; • P&G approach to consumer products, risk assessment and fate modeling of chemicals • Expert of the European Centre for Ecotoxicology and Toxicology of Chemicals (ECETOC)
Organisation	**Procter & Gamble** European Technical Center, Brussels, BELGIUM
Dates	January 1988 – April 1988
Position held	**Product Development Engineer**
Main activities and responsibilities	Development of a new commercial product for the manufacturer of the most sensitive electrobalances in the world.
Organisation	**Cahn Instruments, Inc.** – Long Beach, California, USA

Education and training

Dates	1985-1990
Principal subjects/occupational skills covered	*Solvent permeation in polybutylene plastic pipes* Theoretical and experimental work in thermodynamics and physical chemistry
Organisation	University of California, Berkeley, USA
Degree	**PhD in environmental engineering**
Dates	1988
Principal subjects/occupational skills covered	French military service in the Marine Troops Team spirit
Organisation	French Army, French Antilles
Degree	---
Dates	1984-1985
Principal subjects/occupational skills covered	Sanitary and environmental engineering Chemical engineering applied to public health and ecosystem protection
Organisation	University of California, Berkeley, USA
Degree	**MS in civil/environmental engineering**

Dates	1984-1985
Principal subjects/occupational skills covered	Enzymatic engineering Learning to do research in biological systems
Organisation	Université de Technologie de Compiègne, France
Degree	**Diplôme d'Etudes Approfondies (DEA)**
Dates	1981-1984
Principal subjects/occupational skills covered	Food Technology Engineering, Food Safety, Economy, Management Fundamental topics to prepare an engineer to operate in an enterprise
Organisation	Ecole Nationale Supérieure des Industries Agricoles et Alimentaires (ENSIA)
Degree	**Diplôme d'Ingénieur**
Dates	1979-1981
Principal subjects/occupational skills covered	Classes Préparatoires aux Grandes Ecoles Agronomiques Intensive Maths, Physics, Chemistry and Natural Sciences
Organisation	Lycée Joffre, Montpellier, France
Degree	Special French 2 year preparation
Dates	1979
Principal subjects/occupational	Secondary education
Organisation	French National Education
Degree	**Baccalauréat, série C** (maths and sciences), "mention AB"

Personal skills and competences

Mother tongue: **French** but **English** has become my main language for the last 28 years

Other language(s)

	Understanding		**Speaking**		**Writing**
	Listening	Reading	Spoken interaction	Spoken production	
Spanish	Proficient	Proficient	Proficient	Proficient	Proficient
Dutch	Proficient	Proficient	Proficient	Proficient	Independent
Italian	Proficient	Proficient	Independent	Independent	Basic
Creole	Basic	---	Basic	Basic	---

(*) Common European Framework of Reference for Languages

Social skills and competences

- Excellent communication skills acquired through years of scientific research work (publications, presentations), interactions in industry fora, management and moderation of expert panels, my role in strategy development and "integration" at the JRC and the management of the scientific controversy on electromagnetic fields.
- Excellent ability to adapt to very diverse environments thanks to numerous experiences of living abroad and of occupying very diverse functions;
- Practitioner of dialogues with stakeholders (one-on-one and separate)
- Convinced team player, but, at the same time, autonomous;
- Alumni of the training in risk communication from the Harvard School of Public Health.

Organisational skills and competences

- Strong know how in planning and strategy development
- Organisation and chairing of expert panels
- Convinced promoter of team spirit
- Organisation of conferences
- Hands on experience of Commission management procedures (ABM cycle)

Technical skills and competences	• Excellent knowledge of the fields of environmental sciences, risk assessment, safety, foresight, horizon scanning and scientific advice; • Previous involvement in most EU environmental policy fields (water, waste, energy, Environment & Health, chemicals…); • Broad view, systems approach; • Excellent analytical and quantitative skills inherited from my rigorous scientific education and always used since; • Used to make syntheses and briefings • Excellent technical and media writing skills.
Computer skills	Excellent command of Microsoft Office™ tools, especially Word, Excel and Power Point through daily use, Mind Map
Other skills and competences	• Used to contacts with the research world and with industrial actors through my activities in Industry and at DG RTD and JRC • Regular contributor to presentations and briefings • Regular direct exposure to the European Parliament and MEPs.
Additional information	• Strong personal interest in economics, geopolitics and the evolution of the EU institutions;

ANNEX – LIST OF SELECTED PUBLICATIONS

1. Scientific publications

1) **Bontoux L. and Soane D.,** "Sequential Vapor Sorption of Additional Penetrants in Preswollen Polymers", J. Appl. Polym. Sci., vol. 38, nº5, pp 915-922, 1989

2) **Holsen, T., Park, J, Bontoux, L., Jenkins, D. and Selleck, R**., "The Effects of Soils on the Permeation of Plastic Pipes by Organic Chemicals", J. Am. Water Works Assoc., vol. 83, nº 11, pp 85-91, 1991

3) **Park, J. K., and Bontoux, L**., "Effects of Temperature, Repeated Exposure and Aging on Polybutylene Permeation by Organic Chemicals", J. Appl. Polym. Sci., vol. 42, nº11, pp 2989-2995, 1991

4) **Park, J.K., Bontoux, L., Holsen, T. M., Jenkins, D. and Selleck, R.E**., "Permeation of Polybutylene Pipe and Gasket Material by Organic Chemicals", J. Am. Water Works Assoc., vol. 83, nº 10, pp 71-78, 1991

5) **Demicheli, M. and Bontoux, L**., "Novel technologies for olive oil manufacturing and their incidence on the environment", Poster presented at the MESAEP conference, Rhodes, Grèce, 8-10 Octobre 1995

6) **Papameletiou, D., Bontoux, L., Karagiannidis, A**., "Current trends in the management of post-consumer plastics waste in Mediterranean countries - A case study on Greece", 8th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean, Rhodes, Grèce, 8-10 Octobre 1995

7) **Bontoux, L. and Papameletiou, D**., "Plastics Recycling in Europe: Learning through Innovative Comparisons", The IPTS Report, Nº 01, pp 26-29, February 1996

8) **Bontoux L**., "Wastewater Reuse: Ever More a Resource for the Future", The IPTS Report, Nº 02, pp 27-31, March 1996

9) **Bontoux L., Bournis N. and Papameletiou D**., "Short-Term and Long-Term Options for Achieving Nitrate Standards for Drinking Water in Europe", The IPTS Report Nº 06, pp 7-13, July 1996

10) **Bontoux L.,** "*The case for a European wastewater reuse regulation*", Proceedings of the Water Environment Federation specialty conference on the Beneficial Reuse of Water and Biosolids, pp 13-73 to 13-83, Marbella, Spain, April 6-9, 1997

11) **Consejería de Medio Ambiente**, Nuevas Tecnologías y el Futuro del Medio Ambiente - Una visión desde el Instituto de Prospectiva Tecnológica, Monographie, in Medio Ambiente en Andalucía - Informe 1996, Junta de Andalucía, Sevilla, Spain, June 1997

12) **Demicheli, M. et Bontoux, L.,** Summary of the Results of a Survey on the Valorization of By-Products from the Olive Oil Industry, Actas de las conferencias de Expoliva 97, Jaén, 1-4 Octobre 1997

13) **Bontoux, L.,** "Les Eaux Usées Urbaines: Santé Publique et Environnement", The IPTS Report Nº 18, pp 6-13, Octobre 1997

14) **Vega, M. and Bontoux, L.,** "Nitrates in foodstuffs: a food safety issue", The IPTS Report Nº 19, pp 5-11, November 1997

15) **Vega, M. and Bontoux, L.,** "Food Applications of the New Polysaccharides technology", The IPTS Report Nº 20, pp 7-13, December 1997

16) **Bontoux, L. and Hardy, P.,** *"The Relationship between sectoral policies and agricultural water use in the Mediterranean countries"*, in Proceedings of the International Conference on Water in the Mediterranean Countries, Section 1, pp 1-6, Nov. 25-29, 1997, Istanbul, Turkiye

17) **Bontoux, L. and Papameletiou, D.,** *"About the complexity of LCA applications in the field of waste management*", Proceedings of the conference organized by the Hellenic Life Cycle Analysis NETwork (HELCANET), Thessaloniki, December 15-16, 1997, N. Moussiopoulos and A. Mpoura editors, Aristotelian University of Thessaloniki, 1998

18) **Hardy, P. and Bontoux, L.,** *'Science & Technology Trends in the Southern and Eastern Mediterranean countries: state and prospects"*, The IPTS Report Nº25, June 1998

19) **Bontoux L.,** "*The Regulatory Status of Wastewater Re-use in the European Union*", in "Wastewater Reclamation and Reuse", T. Asano ed., Technomic Publishing Co., Ltd, Lancaster, PA, USA, pp 1463-1475, 1998

20) **Bontoux, L., Vega, M. and Papameletiou, D**., *"Urban wastewater treatment in Europe: what about the sludge*?" The IPTS Report Nº23, pp 5-14, April 1998

21) **Hardy, P.**, **Bontoux, L., and Belhadj, R.,** *"Towards the Mediterranean Information Society: the On-line Water Management Project"*, Proceedings of the Euro-Med Net 98 conference, pp 26-27, Nicosia, Cyprus, 4-7 March 1998

22) **Bontoux, L., Vega, M. and Papameletiou, D**., "*Urban Wastewater Sludge in Europe: a Rising Issue*", in "Que Sera la Gestion de l'Eau au 21ème siècle", Actes du colloque scientifique et technique HYDROTOP 98, pp 347-355, Marseille, France, 21-23 avril 1998

23) **Vega, M., Llobell, A. and Bontoux, L.,** "*Driving the Research on Alternatives to Methyl Bromide*", The IPTS Report Nº24, pp 14-20, May 1998

24) **Angelakis, A.N., Marecos do Monte, M.H.F., Bontoux, L., and Asano, T., "***The status of wastewater re-use practice in the Mediterranean Basin: Need for Guidelines*", Water Research, vol. 33, N° 10, pp 2201-2217, 1999

25) **Vega, M., Bontoux, L. and Llobell, A.**, *"Biotechnology for Environmentally Safe Agriculture"*, The IPTS Report, N°31, pp 6-13, February 1999

26) **Aguado, M., and Bontoux, L.,** *"New battery technologies: promising developments"*, The IPTS Report, N° 36, pp 34-40, July 1999

27) **Vega, M., Bontoux, L., and Kern, M.,** *"European agriculture and future world food demand"*, The IPTS Report, N° 39, pp 26-32, November 1999

28) **Angelakis, A. and Bontoux, L.,** Wastewater reclamation and re-use in EUREAU countries, Water Policy, N° 3, pp 47-59, 2001

29) **Angelakis, A.N., L. Bontoux, and V. Lazarova**. Main Challenges for Water Reuse in EU Countries, *In*: Proc. of IWA-Regional Symposium on Water Recycling in Mediterranean Region, Iraklion, Greece, 26-29 September 2002; N°1, pp 71-80.

30) **Angelakis, A.N., L. Bontoux, and V. Lazarova**. Main Challenges and Prospective for Water Recycling and Reuse in EU Countries, Wat. Sci. Tech., Wat. Supply, Vol. 3 N°4, pp 59-68, 2003

31) **Bontoux, L. and Bromen, K**. Controlled exposure, Public Service Review: European Union, Issue 18, pp 202-204, 2009

http://www.publicservice.co.uk/article.asp?publication=European%20Union&id=402&content_name=Medical%20science%20and%20research%20incorporating%20biotechnology&article=12836

32) **Garkov, V., Bontoux, L. and Martin, P.**, Into the unknown, Public Service Review: European Union, Issue 19, pp 417-420, 2010

http://www.publicservice.co.uk/article.asp?publication=European%20Union&id=427&content_name=Nanotechnology&article=13922

33) **Bontoux, L. and Bromen, K,** Public Health and Electromagnetic Fields: Overview of European Commission Activities, *"EMF Spectrum" (Issue 2/2011) pp 1-5, 2011*

http://ec.europa.eu/health/scientific_committees/docs/pub_emf_ec_activities2011_wik_en.pdf

34) **Bontoux L., Scapolo F. and Boucher P.,** Visions of Technology Assessment - Approaches Used by DG JRC, in *Proceedings from the PACITA 2015 Conference in Berlin*, PART III Technology Assessment Methods and Concepts, Constanze Scherz, Tomáš Michalek, Leonhard Hennen, Lenka Hebáková, Julia Hahn and Stefanie B. Seitz, editors, pp 397-401, 2015, ISBN 978-80-7333-121-4

35) **Bontoux L., Bengtsson D., Sweeney J.A. and Rosa A**, The JRC Scenario Exploration System - From Study to Serious Game, Journal of Futures Studies, March 2016, 20(3): 93–108; doi:10.6531/JFS.2016.20(3).R93

36) **Bontoux L. and Bengtsson, D.** Using Scenarios to Assess Policy Mixes for Resource Efficiency and Eco-Innovation in Different Fiscal Policy Frameworks; Sustainability, 2016, 8, 309; doi:10.3390/su8040309

http://pacita.strast.cz/files/Publikace/Proceedings-Berlin-v3.2-FINAL_3.pdf

2. Main reports

1) ECETOC, Report nº 33: Environmental Safety Assessment of DHTDMAC, ECETOC, Brussels, 1993

2) D. Papameletiou, M. Aguado, L. Bontoux et A. Krol, *Opportunities in Environmental Technologies*, Rapport de Synthèse, Rapport pour la Cellule de Prospective de la Commission Européenne, IPTS, Décembre 1993

3) L. Bontoux and D. Papameletiou, *Preliminary survey of current projects on Chemical Feedstock Recycling from unsorted municipal plastics waste*, Report for DG XI B1, IPTS, September 1994

4) L. Bontoux and D. Papameletiou, editors, *Technology Options for Plastics Waste Management*, Proceedings of the conference organised by IPTS in Seville, 20- 21 November 1995, EUR Report Nº 16460 EN, April 1996

5) L. Bontoux, *Survey of Current Projects for Plastics Recycling by Chemolysis*, EUR Report Nº16459 EN, IPTS, March 1996

6) L. Bontoux, F. Leone, M. Nicolai et D. Papameletiou, *The Recycling Industry in the European Union: Impediments and Prospects*, Report for the Committee for Environment, Public Health and Consumer Protection of the European Parliament, EUR Report Nº 17271 EN, December 1996

7) M. Demicheli et L. Bontoux, *Survey on Current Activity on the Valorization of by-products from the Olive Oil Industry*, EUR Report 16466 EN, IPTS, October 1996

8) L. Bontoux et F. Leone, *La Définition Légale du Déchet et son Impact sur la Gestion des Déchets en Europe*, Report for the Committee for Environment, Public Health and Consumer Protection of the European Parliament, Rapports EUR 17716 EN et EUR 17716 FR, IPTS, Nov. 1997.

9) P. Hardy and L. Bontoux, *Politique de Recherche et Développement Technologique dans les pays du Sud et de l'Est de la Méditerranée*, Rapports EUR 17711 FR et EUR 17711 EN, IPTS, Octobre 1997

10) M. Vega and L. Bontoux, *Current Activities and Trends in Plant Biotechnology Research in Europe*, Rapport EUR 18074 EN, IPTS, July 1998

11) B. Neven and R. Schubert, *Comparison of Regulatory Requirements for the Notification of New Chemical Substances in the European Union, the USA and Japan*, edited by **L. Bontoux**, Rapport EUR 18119 EN, IPTS, August 1998

12) L. Bontoux, *The incineration of waste in Europe: issues and perspectives*, Report for the Committee for Environment, Public Health and Consumer Protection of the European Parliament, EUR 18717 EN, IPTS, March 1999.

http://www.ejnet.org/dioxin/eur18717en.pdf

13) Editor of and contributor to the Confidential European Commission Report of the Technical Workshop on the 17 studies performed in support of the EU-US WTO case on *hormones in meat*, *DG RTD,* January 27-28, 2000

14) Author, Commission Communication – Report from the Commission o the application of Council Recommendation of 12 July 1999 (1999/519/EC) on the limitation of the exposure of the general public to electromagnetic fields (0 Hz to 300 GHz) - Second Implementation Report 2002-2007, COM(2008) 532 final, DG SANCO, 2008

15) Laurent Bontoux, Daniel Bengtsson; 2035: Paths towards a sustainable EU economy – Sustainable transitions and the potential of eco-innovation for jobs and economic development in EU eco-industries 2035, EUR 27376 EN; doi 10.2760/738600 (2015)

https://ec.europa.eu/jrc/en/publication/eur-scientific-and-technical-research-reports/2035-paths-towards-sustainable-eu-economy-sustainable-transitions-and-potential-eco