

CEULEMANS, Reinhart J.M. : Curriculum vitae**Personal data**

Title: Prof. em., dr.sc. & dr.hon.c.mult.

Present occupation:

- Emeritus Professor and part-time Visiting Professor, Department of Biology, University of Antwerp
- Scientific Counsellor, Slovenian Forestry Institute, Ljubljana, Slovenia
- Visiting excellent researcher, CzechGlobe, Academy of Sciences, Brno, Czech Republic

Office address: University of Antwerp, Department of Biology, Universiteitsplein 1, Campus Drie Eiken, B-2610 Wilrijk (Antwerp), Belgium

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- Personal page: www.uantwerpen.be/reinhart-ceulemans
- Group homepage: www.uantwerpen.be/pleco
- Center of Excellence: www.uantwerpen.be/eco
- ORCID # 0000-0003-4773-9358
- Researcher ID # F-2109-2016
- Google Scholar: Ceulemans Reinhart

Born in Wilrijk (Antwerp) on 15 January 1954

Home address: Oosterveldlaan 51, B-2610 Wilrijk (Antwerp), Belgium

Married to Hedwig De Bruyn; four children, five grandchildren

Education and Diploma's

- M.Sc. (licentiaat) degree, Botany, July 1976. University of Antwerp, UIA, Wilrijk (Great Distinction)
- Ph.D. degree, Biological Science, March 1980. University of Antwerp, UIA, Wilrijk (Greatest Distinction)
- Post-graduate degree, Terrestrial Ecology, November 1984. University of Antwerp, UIA, Wilrijk
- Higher Education Teaching Degree (Aggregaat Hoger Onderwijs/Habilitation), 1990, University of Antwerp, UIA, Wilrijk (Greatest Distinction)

Career history

- 1976-1986: Research Assistant and Research Associate, University of Antwerp, Belgium
- 1987-1988: Visiting Professor, University of Washington, Seattle, USA
- 1988-1989: Research Scientist, Government Poplar Research Station, Geraardsbergen, Belgium
- 1989: Visiting Professor, University of Paris-XI, Orsay, France
- 1990-1999: Research Director of the Fund for Scientific Research-Flanders at University of Antwerp, Belgium
- 1999-2019: Full Professor at the Department of Biology, University of Antwerp and director of the Research Group of Plant and Ecosystems
- 2001-2004: Vice-Chair of Department of Biology, University of Antwerp
- 2004-2006: Chair of Department of Biology, University of Antwerp
- 2006-2009: Vice-Dean of Faculty of Sciences, University of Antwerp
- 2008-2019: Director of Research Centre of Excellence on Plants and Ecosystems (60 pers.) until 30/9/2019
- 2013-2019: Visiting Professor, University of Ghent

Functions and positions (2010-2019)

- Chair of Scientific Review Group on Life, Earth and Environmental Sciences of ESF (European Science Foundation), 2008-2015
- Member of Federal Council for Durable Development (FRDO-CFDD; 2006-2018)
- Chair of Working Group 'Biodiversity' of Federal Council for Durable Development (2006-2018)
- Member of Advisory Board of EUFORINNO, Slovenian Forestry Institute (2011-2015)
- Vice-Chair of Scientific & Ethical Advisory Board of CzechGlobe Research Centre, Brno (2011-present)
- Chair of Scientific Advisory Board of AnaEE France (2014-present)
- Member of International Scientific Advisory Board of Lab of Excellence ARBRE, INRA-Nancy (since 2014)
- Member of Scientific Advisory Board of JPI FACCE (2013-2018)
- Member of jury of the 'Lauriers de l'INRA' Awards, France (2014-2018)
- Chair of International Evaluation Panel of FACCE SURPLUS program (2017)
- Member of international evaluation panel of Academy of Finland, Helsinki (2006-2011; 2017-2019)
- Member of Conseil Scientifique du Département EFPA, INRA, France (2016-2020)
- Scientific Advisor to International Foundation for Science, Sweden (2000-2014)
- Member of various EC COST Management Committees (FP0603, FP0703, FP0804, FP0903, FP1301,...)
- Member of Board of Directors, Carbon Cycle of Canada network funded by CFCAS, Canada (2007-2012)
- Member of Scientific Advisory Board of Czech University of Life Sciences, Prague, Czech Republic (since 2018)
- Several functions and positions in working groups and committees at University of Antwerp (research council, faculty councils, evaluation and promotion committees, educational council,

Scientific journals

- Editor of Tree Physiology (1999-2008)
- Associate Editor of Annals of Forest Science (2007-2012)
- Editorial Advisory Board of Forest Ecology and Management (2001-2007)
- Editorial Review Board of Plant, Cell and Environment (2000-2004)
- Regular and ad hoc reviewer for over 25 scientific journals

International recognition : Awards, Honours, and Grants

- Doctor Honoris Causa (Honorary Doctor) Université d'Orléans, France (2012)
- Doctor Honoris Causa (Honorary Doctor) Mendel University Brno, Czech Republic (2010)
- Member of Royal Academy for Sciences and the Arts, Belgium (since 2009)
- Corresponding member of Slovenian Academy of Sciences and Arts, Ljubljana, Slovenia (since 2015)
- Titular of Belgian Francqui Chair at Université Catholique de Louvain (UCL), academic year 2006-2007. The Belgian Francqui Chair is a prestigious award, recognized as one of the highest scientific Belgian awards encouraging outstanding scientists to promote teaching and scientific research in another Belgian university.
- Promoter of Doctor Honoris Causa degree (Honorary Doctorate) of Prof. G.D. Farquhar (Canberra, Australia) at the University of Antwerp (2006)
- Scientific Achievement Award of International Union of Forestry Research Organisations (IUFRO, 1990)
- Fulbright-Hays Grantee, University of Washington, USA (1987-1988)
- Nominated as the Belgian candidate for FESPP Award (1986)

Review committees, past functions and positions

- Visiting scientist and consultant, Rubber Research Institute of Malaysia (1979, 1980)
- Consultant to Water Research Commission of South Africa (1986)
- Scientific expert and consultant to European Commission, Fourth Framework Programme (1995-1997)

- NATO Research Fellow at University of Washington, Seattle, USA (1987-1988)
- Consultant to United Nations, FAO in China (1996)
- Member of Scientific Advisory Board of the Office National des Forêts, France (2000-2004)
- Regular member of scientific evaluation commissions for the French INRA and INSERM-IFR research institutes of Nancy, Montpellier, Clermont-Ferrand, Bordeaux, and others
- Chair of Comité d’Evaluation du Département EFPA, INRA, France (2007-2008)
- Chair of Comité d’Evaluation de l’Unité EEF INRA-Nancy, France (2012)
- Scientific Peer Review Panels on ‘Terrestrial Carbon Sequestration Using the Poplar’ and ‘Carbon Processes Research’, Oak Ridge Institute for Science and Education, US Department of Energy, Washington DC, USA (2002, 2006)
- Member of ad hoc BERAC Committee of the US Department of Energy, Washington DC, USA (2007).
- Member of ad hoc Network Review Committee and Review Panels of the Canadian Foundation for Climate and Atmospheric Sciences (CFCAS) (2005-2007)
- Member of evaluation committee of the Spearhead projects of the University of Eastern Finland (2010-2013)
- Regular member of Expert Panels of Research Council for Biosciences and Environment, Academy of Finland, Helsinki (2006, 2007, 2008, 2011)
- Member of Steering Group of the Core Model Program, Forestry Commission, United Kingdom
- Member of Standing Committee (since 2003) and of Core Group (since 2006) of LESC, European Science Foundation, Strasbourg
- Member of external evaluation panel of Faculté des Sciences Agronomiques, Université de Liège-Gembloux (AgroBio-Tech; 2018)
- Occasional reviewer or scientific evaluator for various research programmes and grant committees in the USA, The Netherlands, France, Germany, South-Africa, Israel, Czech Republic, United Kingdom, Finland, and others
- Occasional reviewer for NSF, USA and for the Department of Energy, USA
- Member & Vice-chair of the Scientific Commission B4 (Applied Biological Sciences and Environmental Technology), Fund for Scientific Research – Flanders (2000-2009)

Research funding (2010-2019; all values in k€)

Period	Role	# projects	Amount funding
2004-2019	Principal investigator	60	26 104 k€
2004-2019	Co-supervisor	5	5 830 k€
2004-2019	Total	65	31 934 k€
2010-2019	Principal investigator	22	14 706 k€
2010-2019	Co-supervisor	4	5 792 k€
2010-2019	Total	26	20 498 k€

- European Research Council, Advanced Research Grant (2009-2013), 2.5 M€
- Success story of ERC grant visible at:
<https://erc.europa.eu/projects-figures/stories/biomass-crops-are-energy-efficient-and-climate-friendly>
- Coordinator/Director FWO Scientific Research Network, 12,500 € per year; 2004-2014
- Coordinator of Belgian Science Policy research project ECORISK; 916,772 € ; 2012-2016
- PI Belgian Science Policy research (BRAIN) project MASC; 176,715 €; 2013-2017
- PI Marie Curie International Reintegration Grant; GHG-POPFULL; 2010-2014; 80,000 €
- PI Marie Sklod. Curie Intra-European Fellowship; LCA-BIO; 2013-2015; 169,800 €
- PI Marie Sklod. Curie International Incoming Fellowship ; SRF-OZO; 2014-2016; 227,800 €
- PI Marie Sklod. Curie Intra-European Fellowship ; ANAFAUNA; 2019-2021

- PI and coordinator Concerted Research Action, University Research Council; 909,000 €; 2007-2010
- PI of Erasmus Mundus EADIC grant; period 2010-2013; 51,000 €
- Core funding to the Center of Excellence and Methusalem-funding (R. Ceulemans, director and PI): >600,000 € per year; 2007-2019. Total amount: 4.8 M€
- ESFRI-Infrastructure project 'Integrated Carbon Observation System' (ICOS), 4.4 M€; 2012-2015
- Hercules Large Scale Infrastructure; 2010-2015; 1.1 M€
- PI Research contract with Electrabel GDF-Suez; 2013-2016; 299,900 €
- Belgian Focal Point for ICOS and ANAEE networks of ESFRI (European Strategy Forum for Research Infrastructure)
- Participant in the Multidisciplinary Research Partnership 'Biotechnology for a Sustainable Economy', University of Ghent (2010-2018)

Selected past research projects and past external funding

- Contractor / principal investigator of more than 20 European funded research projects in the Fourth, Fifth and Sixth Framework programmes, a.o. ECOCRAFT, EUROFLUX, CARBO-EUROPE IP, POPFACE, EUROFACE, POPYOMICS, MEFYQUE, CASIROZ,... (1992-2009)
- Coordinator NATO research project; 1990-1992
- Principal Investigator in Belgian Science Policy research projects MYCARBIO (163,000 €) and OFFQ (115,000 €); 2007-2010
- Principal investigator or coordinator of 10 research projects for the Flemish and Federal governments or Science Policy Offices, Brussels
- Principal investigator of bilateral exchange programme between Flanders and Brno (Czech Republic); 50,000 €
- Principal investigator and coordinator of research project SimForTree, IWT, Flemish Science Policy Office; 841,000 €; 2007-2010
- Principal investigator of 10 bilateral exchange programmes between Belgium/Flanders and Beijing (China), Brighton (UK), Seattle (USA), Paris-Orsay (France), Brno (Czech Republic), Orleans (France), Buenos Aires (Argentina), and others
- Contractor of 12 research projects and research funding University of Antwerp or Province of Antwerp
- PI of research project of the Fund for Scientific Research-Flanders (FWO); 2004-2008; 190,000 €
- Discovery Project of the Australian Research Council, 2008-2011. Coordinated by D. Ellsworth, University of Western Sydney, Australia.
- Principal investigator of 8 research projects of the Fund for Scientific Research-Flanders, Brussels
- Various other grants, research projects, incl. pre- and post-doctoral researchers of the FWO-Flanders

Publications and Analysis of publication record

- Total of 436 publications (source ISI Web of Knowledge)
 - 344 publications in peer-reviewed (A1) scientific journals, including co-author on one paper in Nature, one in Science, two in PNAS
 - (Co-)editor of 9 books on plant responses to environmental factors and tree physiology
 - More than 50 publications in scientific volumes, proceedings and popularizing journals
 - Over 100 abstracts of lectures, seminars and poster presentations
 - 50 book chapters in scientific volumes or books
- Total number of citations 18,785 (of which to A1 publications: 18,245)
- Overall average number of citations per published article: 36.4
- h-index: 62 (ISI WoS); 81 (Google Scholar). m-index: 1.51
- Under my guidance the PLECO research group published on average 30 scientific papers per year in international scientific journals, over 50% of which appear in the top-10% journals within the discipline in terms of impact factor.

- The publication analysis of LabTimes showed that over the period 1999–2005 I was among the 20 most cited authors in plant science (rank number: 17, total number of citations: 2069, number of articles: 104) (*source*: LabTimes, issue of the volume of February 2007).
- Detailed bibliometric analysis: see *Annex C*.

Output Academic Bibliography & PhD's – period 2010-2019

	Total	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
Peer reviewed journal articles	104	4	9	6	9	15	8	18	12	9	14
Non-peer reviewed journal articles	1	0	0	0	0	0	0	0	0	1	0
Editorials	1	0	0	0	0	0	0	0	0	0	1
Book chapters (non- peer reviewed)	5	0	1	1	0	0	2	0	0	1	0
PhD's	12	0	1	2	0	1	1	4	1	1	1

Teaching and guidance of young researchers (until 30/9/2019)

- Current course: Ecology for Bachelor 1 Biology (4 ECTS credits; 40 course hours)
- Currently: annual teaching of one-week Summer school on 'Scientific writing and publishing' in Slovenia (different locations); in Brno, Czech Republic; at Université de Liège. Course organiser and sole teacher.
- Past courses: Ecology; Plant Ecology; Plant Ecophysiology; Bioenergy and Environment (180 course hours per year)
- Programmes: Bachelor (Biology, Applied Biological Sciences, Physics), Master (Ecology & Environment; and Post-graduate (Environmental Sciences)
- Supervisor of 27 completed and successfully defended Ph.D. theses (list in *Annex A*)
- Supervisor/promoter of more than 50 M.Sc. dissertations
- Erasmus/Socrates exchange programmes with the Universities of Sussex (UK), Viterbo (Italy), Cordoba (Spain), Brno (Czech Republic) and others
- Supervisor/promoter of ca. 25 dissertations and training courses outside the university
- Member of ca. 30 Ph.D. jury's in Belgium and over 40 Ph.D. jury's abroad (France, UK, Sweden, Finland, Germany, Australia)
- List of post-doctoral researchers supervised: see *Annex B*.

Attention in the media

- Several life interviews for National and Flemish TV and Radio
- Coverage of research successes, news, etc... in many newspaper interviews on global changes, ozone, renewable energy, POPFULL ERC Grant,
- National Geography TV documentary 'Behind the Science' on 11 April 2013.
- See list of media coverage in *Annex D*.

Invited presentations to international conferences and symposia (selection only)

- IUFRO Workshop Forests at the Limit; South Africa; 11-17 May 1997.
- Second International Symposium on Dynamics of Physiological Processes in Roots; Nancy, France; 26-30 September 1999.
- Symposium on Biometry-Based Estimates of Forest Productivity; Pellston, Michigan, USA; 4-7 May 2000.
- 19th International Meeting for Specialists in Air Pollution Effects on Forest Ecosystems; Houghton, Michigan, USA; 28-31 May 2000.

- ESF Workshop on Terrestrial Carbon Balance; Strasbourg, France; 11-12 September 2000.
- COST-EUROSILVA Conference on Development and Ageing in Forest Trees; Firenze, Italy; 20-24 September 2000.
- International Symposium on Tree Biotechnology in the New Millennium: Molecular Biology of Forest Trees; Stevenson, Washington USA; 22-27 July 2001.
- Third International Poplar Symposium on Basic and Applied Aspects of Poplar and Willow Biology; Uppsala, Sweden; 26-29 August 2002.
- Botanikertagung, Botanical Congress of the German Botanical Society; Braunschweig, Germany; 5-10 September 2004.
- Botanikertagung, Botanical Congress of the German Botanical Society; Leipzig, Germany; September 2009.
- Jornadas de Salicaceas 2011, Invited Keynote speaker at the Tercer Congreso Internacional de las Salicaceas en Argentina; 14-18 March 2011.
- Global Change and Resilience, CzechGlobe Third Annual Conference, Invited speaker; Brno, Czech Republic; 22-24 March 2013.
- Umea Renewable Energy Conference. Invited Keynote Speaker; Umea, Sweden; 14-19 March 2014.
- Seventh International Poplar Symposium, Buenos Aires, Argentina; 28 October-4 November 2018.
- Total of over 60 invited presentations or seminars at international scientific meetings.

Organisation of international conferences and workshops (selection only)

- Second International Workshop ‘Forest Ecosystem Modelling, Upscaling and Remote Sensing’, Antwerp, Belgium; 21-25 September 1998. *Organiser* (co-organisation UIA and VITO).
- Second International Poplar Symposium (IPS-2), Orléans, France; 13-17 September 1999. *Co-organiser and member of the scientific committee*.
- EU-contractors POPFACE workshop ‘Effects of Atmospheric Carbon Dioxide Enrichment on Cultivated Terrestrial Ecosystems’, Antwerp, Belgium; 1-2 February 2000. *Organiser*.
- International symposium ‘Topics in Ecology: Structure and Function in Plants and Ecosystems’, Antwerp, Belgium; 21 October 2000. *Organiser*.
- Second EU contractors CASIROZ workshop ‘The Carbon Sink Strength of *Fagus sylvatica* in a Changing Environment: Experimental Risk Assessment of Mitigation by Chronic Ozone Impact’, Antwerp, Belgium; 26-28 November 2003. *Organiser*.
- International IUFRO conference ‘The Forestry Woodchain’, Edinburgh, UK; 28-30 September 2004. *Member of the scientific committee* (co-organisation IUFRO, BRE and Forest Research).
- International workshop ‘Retrieval of Bio-Geophysical Parameters from SPOT4/VEGETATION Data using a Vegetation Canopy Radiative Transfer (RTF) Model’, Antwerp, Belgium; 17-18 January 2005. *Organiser* (co-organisation UA and VITO).
- International workshop ‘Sap Flow and Water Balance of Heterogeneous Forests’, Antwerp; 10-11 November 2005. *Organiser* (co-organisation UA and Mendel University of Agriculture and Forestry, Brno, Czech Republic).
- International workshop ‘Plants, their Roots and Water Relations’, Antwerp, Belgium; 8-9 November 2007. *Organiser* (co-organisation UA and Mendel University of Agriculture and Forestry, Brno, Czech Republic).
- International workshop ‘FACEing the Future: Planning of the Next Generation of Elevated CO₂ Experiments on Crops and Ecosystems’, Rome, Italy; 5-7 December 2007. *Organiser* (ESF Interdisciplinary New Initiatives Fund).
- Fifth International Poplar Symposium (IPS-5, IUFRO), Orvieto, Italy; 20-25 September 2010. *Co-organiser and member of the scientific committee*.
- First ICOS Science Conference on ‘Greenhouse Gases and Biogeochemical Cycles’, Brussels, 23-26 September 2014. *Co-organiser*.
- Bi-annual ICOS Belgium Science conferences (2015, 2017, 2019). *Organiser*.

Host for sabbatical leaves

I served as host for the following sabbatical leaves:

- Prof. John S. King, North Carolina State University, Raleigh, USA. 1.1.2011-31.12.2011 (12 months)
- Prof. Gabriel Alcantara Pita, Lisbon, Portugal. 1.1.2012-30.6.2012 (6 months)
- Prof. Hojka Kraigher, Slovenian Forestry Institute & University of Ljubljana, Slovenia. 15.11.2014-15.02.2015 (3 months)

Research interests

- Renewable bio-energy sources: bio-energy from biomass plantation culture
 - Poplar: ecology, ecophysiology, relation physiology-genetics, applications, plantations
 - Impact of global changes: effects of elevated atmospheric CO₂ and warming on growth and productivity of plants. FACE-studies on poplar
 - Carbon, biogeochemical cycles and productivity of ecosystems: biosphere-atmosphere fluxes, modeling, field studies, carbon balances
 - Ecophysiology and environmental physiology of trees
 - Process-based models for tree and forest growth and carbon balance
 - Environmental ecology: pollution, water stress, and effects on plants and vegetation
 - Biodiversity, in combination with climate warming, grasslands, stress
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Annex A: (Co-)Promoter of successful Ph.D. theses at University of Antwerp (1999-2018)

1. Julie Berckmans, 2018. Modelling land-atmosphere interactions: Impact of near future land use and climate change over Western Europe. Co-promoter dr. Rafiq Hamdi (KMI-IRM, Brussels).
2. Joanna Horemans, 2017. Tackling challenges in process-based forest modelling: from concept to uncertainty. Co-promoter dr. Gaby Deckmyn (UA).
3. Stefan Vanbeveren, 2017. Physiology and productivity of short-rotation coppice: genotypic differences and impacts of harvesting.
4. Josefina Luisa De Paepe, 2015. Productividad de los suelos pampeanos para el cultivo de trigo (Soil productivity of the pampas related to wheat). Co-promoter prof. Roberto Alvarez (Univ. Buenos Aires)
5. Gonzalo Berhongaray, 2014. Inventory of belowground carbon pools and fluxes in a short rotation woody crop.
6. Laura Broeckx, 2013. Development of leaf area and above-ground biomass of different *Populus* genotypes in a bio-energy plantation.
7. Melanie Verlinden, 2013. Carbon balance and productivity of a bio-energy culture with fast-growing poplars in Flanders.
8. Ouafik El Kasmioui (FWO fellowship), 2013. Short rotation woody crops for bioenergy: a financial, energetic and environmental perspective. Co-promoter prof. Aviel Verbruggen (Faculty of Applied Economic Sciences, TEW).
9. Maarten De Bock, 2013. The impact of tropospheric ozone on *Brassica* species. Co-promoters: dr. K. Vandermeiren and prof. Yves Guisez.
10. Kim Naudts, 2012. Does the response of grasslands to stress change under climate change conditions?
11. Raphaël Bequet, 2011. Environmental determinants of the temporal and spatial variability of leaf area index in *Fagus sylvatica* L., *Quercus robur* L. and *Pinus sylvestris* L.
12. Maarten Op De Beeck, 2010. Predictive stomatal conductance models: comparison of performance and applications.
13. Filip Colson 2009. Quantifying the spatial pattern and ecology of land use in the Amazon Basin. Co-promoter prof. Jan Bogaert (ULB, Brussels).
14. Koen Hufkens (UA interdisciplinary grant), 2009. Mathematical approaches of landscape ecological studies related to scale dependent spatial patterns. Co-promoter Prof. Paul Scheunders.
15. Johan Neiryneck (researcher INBO), 2009. Exchange of atmospheric nitrogen above a Scots pine forest – implications for nitrogen cycling.
16. Sophie Dillen (FWO fellowship), 2009. Genetic variation in growth and its determinants in two poplar families grown at two sites.
17. Najwa Al Afas (grant Syrian Al Baath University), 2007. Comparative study of ecophysiological production of different hybrid poplars in a short rotation coppice culture.
18. Hans De Boeck (IWT fellowship), 2007. Community-scale effects of climate warming on experimental grasslands of different species richness. Promoter prof. Ivan Nijs.
19. Catherine Lemmens, 2007. Responses of individual grassland species to climate warming and species richness: ecophysiological processes, development and biomass production. Co-promoter prof. Ivan Nijs.
20. Hans Verbeeck, 2007. The carbon and water balances of two temperate forest ecosystems: a process based modeling approach. Co-promoter prof. Ivan Janssens.
21. Marion Liberloo (FWO fellowship), 2006. Study of the effects of elevated atmospheric CO₂ concentrations and nitrogen fertilization on ecosystem processes in a fast-growing short rotation coppice of poplars.
22. Jorge Curiel-Yuste, 2004. The importance of soil respiration in the carbon cycle of two contrasting forest types. Co-promoter prof. Ivan Janssens.
23. Ilse Laureysens, 2004. Clonal variation in productivity, population dynamics and

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- phytoextraction potential of poplar short rotation coppice culture.
24. Birgit Gielen (FWO fellowship), 2003. Effects of elevated atmospheric CO₂ concentrations on a fast-growing poplar ecosystem: process and structure.
 25. M. Ewa Jach, 2000. Response of young Scots pine trees (*Pinus sylvestris* L.) to increased carbon dioxide concentration.
 26. Katrien Bortier, 2000. Tree physiological research in view of ozone damage.
 27. Ivan Janssens (FWO fellowship), 1999. Soil CO₂ efflux in a mixed forest ecosystem in the Antwerp Campine region.
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Annex B: Supervision of post-doctoral researchers or visiting scientists (stays of > 3 months)
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The following post-doctoral researchers or visiting scientists were directly supervised and/or employed by Reinhart Ceulemans (stays of minimum 3 months). Table in reversed chronological order.

Name	Surname	Country of origin	Funding source	Start	End
Olga	Vinduskova	Czech Republic	Marie Sklod. Curie	01/09/2019	30/08/2021
Joanna	Horemans	Belgium	Methusalem	01/01/2018	30/09/2018
Stefan	Vanbeveren	Belgium	Methusalem	15/10/2017	14/10/2018
Alejandra	Navarro	Spain	Marie Sklod. Curie	01/09/2015	31/08/2017
Miguel	Portillo Estrada	Spain	ESFRI-ICOS	15/07/2014	31/05/2019
Jasper	Bloemen	Belgium	ERC POPFULL	15/04/2014	14/07/2014
Laura	Broeckx	Belgium	ERC POPFULL	01/01/2014	30/09/2014
Melanie	Verlinden	Belgium	ERC POPFULL	01/01/2014	31/12/2014
Ouafik	El Kasmioui	Belgium	Industry	01/10/2013	31/03/2016
James	Weedon	Australia	Methusalem	01/11/2012	30/09/2013
Manuela	Balzarolo	Italy	Methusalem & Belspo-HYPI	15/06/2013 01/04/2016	31/03/2016 30/04/2017
Ricardo	Teixeira	Portugal	Marie Sklod. Curie	01/04/2013	31/03/2015
Nicola	Arriga	Italy	ERC POPFULL	01/03/2013	30/06/2015
Terenzio	Zenone	Italy	ERC POPFULL	01/11/2012	30/10/2016
Carolyn	Görres	Germany	ERC POPFULL	15/10/2012	15/07/2015
Isabele	Sarzi Falchi	Brazil	ERC POPFULL	01/03/2012	31/08/2013
Marilyn	Roland	Belgium	ESFRI-ICOS	01/12/2012	30/06/2014
Bertrand	Guenet	France	FWO & Methusalem	01/02/2012 01/01/2013	31/12/2012 30/09/2013
Maarten	Op de Beeck	Belgium	ESFRI-ICOS	01/08/2012	30/06/2014
Federico	Brilli	Italy	ERC POPFULL	15/09/2011	15/03/2012
Bert	Gielen	Belgium	ESFRI-ICOS	01/08/2012	30/06/2014
Donatella	Zona	Italy	Marie Curie	01/09/2009	31/08/2012
Regis	Fichot	France	Bilateral exchange & ERC POPFULL	01/08/2010	31/07/2012
René	Estrella	Ecuador	SBO-IWT	01/02/2010	30/04/2010
Sophie	Dillen	Belgium	FWO	01/10/2009	30/09/2012
Sylvestre	Njakou Djomo	Cameroun	ERC POPFULL	15/08/2009	30/09/2014
Matteo	Campioli	Italy	SBO-IWT & Methusalem	01/12/2008 01/01/2011	31/12/2010 30/09/2012
Marion	Liberloo	Belgium	FWO	01/10/2007	30/09/2010
Hans	Verbeeck	Belgium	EC project & UA cofin.	01/06/2007	30/09/2009
Anna	Chupina	Russia	FWO & Methusalem	15/03/2007 15/03/2008	29/02/2008 14/03/2009
Markus	Löw	Germany	EC project, UA	15/02/2007	15/05/2007
Costanza	Zavalloni	Italy	Marie Curie	01/03/2006	31/12/2007

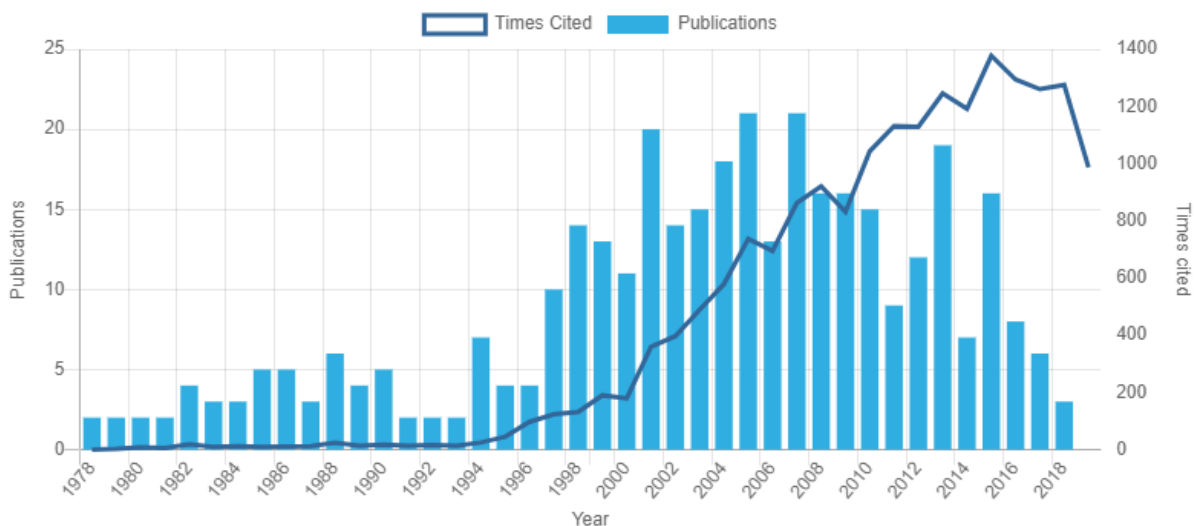
Sebastiaan	Luyssaert	Belgium	FWO & Methusalem	01/10/2005 01/10/2008	30/09/2008 31/01/2010
Zhenhong	Hou	China	Bilateral exchange	01/10/2004	31/12/2004
Mingguo	Ma	China	Bilateral exchange	01/07/2004	31/12/2004
Miklos T.	Nagy	Hungary	Grant UA	01/11/2003	31/10/2004
Nicolas	Marron	France	EC project	01/10/2003	31/03/2006
Birgit	Gielen	Belgium	FWO	01/10/2003	30/09/2007
Hong	Yan	China	Bilateral exchange	01/03/2004	25/09/2004
Ulo	Niinemets	Estonia	Belg. Science Policy	01/02/2002	31/03/2003
Chunwang	Xiao	China	UA Research Council	15/01/2002	14/01/2003
Arnaud	Carrara	France	EC & Flemish Community	01/05/2000	28/02/2003
Jinxing	Lin	China	UA Research Council	01/05/2000	30/10/2000
Jan	Bogaert	Belgium	FWO	01/09/2000	30/09/2003
Gaby	Deckmyn	Belgium	Belg. Science Policy & UA dept. Biology & Methusalem	01/10/1999	31/12/2020
Ivan A.	Janssens	Belgium	FWO	01/10/1999	30/09/2003
Eric	Casella	France	Belg. Science Policy & Flemish Community	01/09/1998	31/08/2000
Andrew S.	Kowalski	USA	Flemish Community & EC project	01/08/1997	31/07/2000
Ghosh N.	Hajra	India	BOF & EC project	01/02/1997	30/10/1997
David	de Pury	Australia	EC	01/05/1996	30/10/1997
Valery	Gond	France	Belg. Science Policy & UA Research Council	01/03/1996	31/01/1999
Narasinha	Shurpali	India	EC project	01/03/1996	31/08/1997
David A.	Sampson	USA	EC project & Francqui Fund	01/12/1997 15/04/2005	31/12/2000 14/04/2006
Francesca	Riguzzi	Italy	EC project	01/05/1995	31/12/1995
Rodney	Will	USA	EC project	01/04/1995	30/09/1995
Jiri	Kalina	Czech Republic		01/09/1994	30/11/1994
Xiangning	Jiang	China	EC project	21/07/1993	30/08/1994
Siguo	Chen	China		01/11/1992	31/07/1994
Amiro	Perez	Dominican Republic	EC project	01/02/1991	30/11/1992

Annex C: Bibliometric data / publications

Year	Newspaper article	A1 Peer reviewed journal paper	Journal paper (non peer-reviewed)	Editorial	Chapter in book or volume	Chapter in non peer-reviewed volume	Letter to the editor; Review	Book as author or (co-) editor	Congress report	Published report	End total
2010		14		1							15
2011		9	1		1						11
2012		12									12
2013		18									18
2014		8				2					10
2015	1	15									16
2016		9									9
2017		6			1						7
2018		9			1						10
2019		4									4
Total since 1978	1	344	11	3	15	35	2	8	16	1	436

Bibliometric profile of the entire career (profile on 6/11/2019)

- WoS profile / Web of Science Researcher ID F_2109_2016
- <https://publons.com/researcher/2282924/reinhart-j-m-ceulemans/publications/>
- From 1978 to 2019 : 364 publications; 18,785 citations; h-index: 62



Annex D : Media attention (selection only)

- 1/ Congres haalt Europese broeikasgasexperts naar Brussel – article on UA-website, 23 September 2014 (ICOS conference in Brussels)
- 2/ Ozone layer showing signs of recovery (national TV) - 12 September 2014
- 3/ Derde Vlaamse meettoren voor broeikasgassen in Maasmechelen, Limburg (Gazet Van Antwerpen)
- 4/ Use of biomass reduces CO2 emissions – article on UA-website, 19 February 2014
- 5/ The second harvest on POPFULL plantation in Lochristi - 18 till 20 February 2014

Press releases (in Dutch): 18-20 February 2014*Het Nieuwsblad**Het Nieuwsblad**Gazet van Antwerpen**Métro (Frans)**De Loonwerker, Nieuwsbrief**Startpagina Engineeringnet_nl**Startpagina Engineeringnet_be**Dwars (studentenblad UAntwerpen)**Vlaamse Academie voor Wetenschappen en Kunsten: 'positief resultaat voor ERC-Grantee POPFULL-project'*
*'t Periodiekske**Bioénergie International 15 February (Frans/French/Français)**ODE**Horizon 2020 projects - 21 February 2014 (Engels/English)**Lochristinaar - 26 February 2014***On national TV (in Dutch): 18 February 2014***VRT, deredactie.be**VTM-nieuws***News on the website of the European Research Council (ERC; in English): 19 February 2014***ERC story on POPFULL**Video: Are poplars the solution to the use of fossil fuels ?**ERC press highlight**Posts on Facebook*

6/ Behind The Science; Bioenergy research and flux measuring sites on National Geographic TV (PR-award EUPRIO 2013) - 11/04/2013

7/ Media attention for Ph.D. work of Melanie and Laura in Lochristi; Plantages van populieren helpen CO2-uitstoot te beperken (national TV) - 26/12/2013

8/ POPFULL plantation in Lochristi – April 2010- December 2013

with first harvest and visit of the Belgian prince Filip to the bioenergy plantation, 3 February 2013

Press releases (mainly in Dutch)*De Standaard - 8 april 2010**Het Nieuwsblad - 8 april 2010**Het Laatste Nieuws - 13 april 2010**Alfabeta - juni 2010**Het Nieuwsblad - 22 november 2010**Knack - 30 maart 2011**Groencontact - september-oktober 2011**Ondas - Diciembre 2011 (Spaans/Spanish/Espagnol)**De Standaard - 25 januari 2012**Het Nieuwsblad - 25 januari 2012**Landbouw Leven - 25 januari 2012**De Tijd - 25 januari 2012*

Vilt - 26 januari 2012
De Standaard - 26 januari 2012
De Tijd - 26 januari 2012
Gazet van Antwerpen - 26 januari 2012
Belga - 3 februari 2012
ClubFM (radio interview) - 3 februari 2012
Het Nieuwsblad - 3 februari 2012
Agripress - 3 februari 2012
Landbouw Leven - 3 februari 2012
AVS - 3 februari 2012
Monarquia Confidencial - 3 februari 2012 (Spaans/Spanish/Espagnol)
Fotoreportage UA huisfotograaf - 3 februari 2012
Fotoreportage Lochristi (1) - 3 februari 2012
Fotoreportage Lochristi (2) - 3 februari 2012
De Standaard - 4 februari 2012
De Standaard - 4 februari 2012
Het Nieuwsblad/Gentenaar - 4 februari 2012
Het Laatste Nieuws - 4 februari 2012
Bio-energie Platform - 6 februari 2012
Engineeringnet - 7 februari 2012
Management en Techniek - 6 april 2012
Engineeringnet - 8 oktober 2013
De Standaard - 23 december 2013

On national TV (in Dutch)

VTM nieuws - 25 januari 2012
VRT nieuws - 3 februari 2012
CampusTV- ATV (regional Antwerp television) - 8 februari 2012
VRT, deredactie.be - 23 december 2013
Kanaal Z nieuws - 26 december 2013

- 9/ Plantage neemt meer CO₂ op dan dat ze vrijgeeft - article on UA-website, 23 December 2013
10/ Reinhart Ceulemans voorzitter van het Standing Committee van the European Science Foundation (ESF) – 9 July 2009
11/ Methusalem project: Vlaanderen investeert in vijf toponderzoekers van Universiteit Antwerpen (Gazet Van Antwerpen) – January 2008
12/ The Lab Times' publication analysis – January 2007
13/ Publication analysis 1996-2007 - Plant & Animal Biology, Ranking most cited authors
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Annex E: Evolution of staff Research Group of Plants and Ecosystems

Evolution of the total number of staff (researchers, professors, administrative and technical support) of the research group of Plants and Ecosystems, directed by Reinhart Ceulemans (1990-2019)

