



Curriculum vitae

Based on the European CV format

PERSONAL INFORMATION

Name **FABIO MONFORTI-FERRARIO**
Date of birth
E-mail
Nationality **Italian**

See also my profiles on [LinkedIn](#) and [ResearchGate](#)

WORK EXPERIENCE

Dates: Since January 2017

Name and address of employer: European Commission – JRC - Directorate C – Energy, Climate and Transport - Ispra site

Occupation or position held: Senior scientific officer and project leader in the Air quality and Climate unit.

Direct superior: HoU Elisabetta Vignati

Dates: From February 2010 to December 2016.

Name and address of employer: European Commission – JRC – Institute for Energy and Transport – Ispra Site

Occupation or position held: Project leader in the Renewable Energy and Energy Efficiency unit

Direct superior: HoU Mr Heinz Ossenbrink

Dates: December 2007 to February 2010.

Name and address of employer: European Commission – JRC – Institute for Energy and Transport – Petten Site

Occupation or position held: Research officer in the “Energy systems Evaluation” unit (until 15/09/2008) then assigned to “Energy Security” unit following the Institute reorganization.

Dates: From April 2000 to March 2003 and then again from November 2003 to November 2007

Name and address of employer: ENEA (Italian Agency for New Technologies, Energy and Environment) – v. Martiri di Monte Sole, 4, I-40128 Bologna – Italy

Occupation or position held: researcher in the air pollution section.

Dates: From April 2003 to September 2003

Name and address of employer: ARIA-NET Srl, v. Gilino, 9, I-20128 – Milano – Italy

Type of business or sector: consultancy on air quality and meteorological modelling

Occupation or position held: consultant

Fields of work: meteorological modeling and data handling.

Dates: From November 1998 to March 2000

Name and address of employer: European Commission - JRC – IES, Institute for Environment and Sustainability, v. Fermi, 20, I- 21020, Ispra (VA), Italy

Type of business or sector: International institution

Occupation or position held: Trainee in the air quality unit

Main activities and responsibilities: developing and testing numerical schemes for atmospheric and air pollution modelling in the framework of Ph.D. thesis.

Dates: from June 1996 to December 1997

Name and address of employer: Consorzio Milano Ricerche, v. Cicognara, 7, I-20129 – Milano, Italy

Type of business or sector: Research

Occupation or position held: Postgraduate fellow on “DNA damage induced by ionizing radiations”

Dates: from September 1995 to June 1996

Name and address of employer: Museo della Scienza e della Tecnica, v. S. Vittore, Milano, Italy

Type of business or sector: Science popularization

Occupation or position held: Museum guide for visitors and schools classes

Main activities and responsibilities: Guiding visitors through science museum exhibits and labs

Dates: from September 1989 to December 1991

Name and address of employer: AIAS Milano, Via Paolo Mantegazza, 10 20156 Milano

Type of business or sector: Charity - Assistance to people with physical and mental disabilities

Occupation or position held: Assistant educator

Main activities and responsibilities: Organization and support for social activities, travels and holidays. Educational activities.

ASSOCIATIVE EXPERIENCE

President (2000) and member of the Board (2001-2007) of the Italian PhD Students Association (ADI) in charge of supporting collective Italian PhD students' requests in front of national and European policy makers and to promote a culture of integrity and respect for young researchers in the Italian academia.

EDUCATION & TRAINING

Formal education

2013: BSc in Mathematics and Economics – London School of Economics – External students program.

2009: Master in “Environmental economics and law” – University of Roma Tor Vergata.

2001: Ph.D. in Physics at Università Statale di Milano. Final dissertation: “Numerical schemes for advection and pollutant diffusion in atmospheric modelling”

1997: Master (Specializzazione) in Health and Environmental Physics at Università Statale di Milano – Final dissertation: “Models of chromosomal aberrations induced by ionizing radiations”

1994: Degree (Laurea) in Physics at Università statale di Milano - Final dissertation: “A study on the polarization of the cosmic background radiation”. Final Mark: 110/110 cum laude.

LANGUAGES

Mother tongue Italian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
French	C1	C1	C1	B2	B2

DIDACTIC PUBLICATIONS AND TEACHING EXPERIENCE

1993-1994 Mentoring on first year physics students.

1996-1997 Teaching assistant for course "general physics" - Faculty of Medicine – University of Milano

1998 Teaching assistant for the course "general physics" - Faculty of Pharmacy – University of Milano

2001 Co-author of “[Admission tests for the new university](#)” – ETAS. (in Italian)

2002 Author of “[Studying physics at the University](#)” – Sansoni (in Italian)

2016 Co-author of “[Solar Civilization](#)” Ed. AltraEconomia (in Italian)

2021 Co-author of “[What is the Ecological Transition?](#)” Ed. AltraEconomia (in Italian)
2022-23 Lessons in support to “Foundations of Physics for Environmental Sciences” course, University of Milano
2024- Adjunct professor (professore a contratto) for the course of “[Foundations of Physics for Environmental Sciences](#)”, University of Milano

ACADEMIC HABILITATIONS

2022 Italian habilitation as a Full Professor in Applied Physics. (Sector 02/D1)

AWARDS AND RECOGNITIONS

2012 JRC-IET award for policy support
2022 JRC award for best team collaboration
2022 Included in the [Stanford list of the most influential scientists in energy and environment](#)
2023 JRC award for Science for Policy ad-hoc policy support

Papers on international journals (peer-reviewed):

- P.1. G. Bonelli,...,F. Monforti,...,G. Sironi,: [Observations of the cosmic Background radiation: search for spectral distortions and residual polarization](#), *Il nuovo cimento C*, 1997,20, 673-678,
- P.2. A. Ottolenghi, M. Merzagora, F. Monforti, B. Candoni, H. Paretzke: Mechanistic and phenomenological models of radiation induced biological damage, *Physica Medica*, 1997, XIII, 282-286,
- P.3. M.G. Pugliese,, F. Monforti, ..., G. Gialanella: [Inactivation of individual mammalian cells by single alpha-particles](#), *Int. J. Radiat. Biol*, 1997, 72, 397-407
- P.4. A. Ottolenghi, F. Monforti, M. Merzagora: [A Monte Carlo calculation of cell inactivation by light ions](#), *Int. J. Radiat. Biol*, 1997, 72, 505-513
- P.5. F. Ballarini, M. Merzagora, F. Monforti *et al.* [Chromosome aberrations induced by light ions: Monte Carlo simulations based on a mechanistic model](#), *Int. J. Radiat. Biol*, 1999, 75, 35-46
- P.6. F. Monforti, R. Bellasio, R. Bianconi, G. Clai, G. Zanini, [An Evaluation of Particle Deposition Fluxes on Monumental Area of Florence, Italy](#), *The sciences of the total environment*, 2004, 334-335, 61-72
- P.7. F. Monforti, A. Pederzoli -. [THOSCAN: A tool to detail CORINAIR emission inventories](#), *Environmental Modelling and Software*, 2005,20, 505-508
- P.8. A. Piersanti, F. Monforti, G. Zanini, [Simulation of PM₁₀ concentration patterns for a 2010 traffic scenario in Bologna, Italy](#), *Environmental modelling and assessment*, 2005,10, 291-301
- P.9. G. Zanini, M. Berico, F. Monforti, L. Vitali, S. Zambonelli, S. Chiavarini, T. Georgiadis, M. Nardino. [Concentration measurement in a road tunnel as a method to assess "real world" vehicles exhaust emissions](#), *Atmospheric Environment*, 2006, 40, 1242-1254
- P.10. L. Vitali, F. Monforti, R. Bellasio, R. Bianconi, V. Sachero, S. Mosca, G. Zanini, [Validation of a Lagrangian dispersion model implementing different kernel methods for density reconstruction](#), *Atmospheric Environment*, 2006, 40, 8020-8033
- P.11. F. Monforti, G. Pagnini, L. Vitali, G. Zanini, [Testing Kernel density reconstruction for Lagrangian photochemical modelling](#), *Atmospheric Environment*, 2006, 40, 7770-7785
- P.12. M. Mircea, M. d'Isidoro, A. Maurizi, L. Vitali, F. Monforti, G. Zanini, F. Tampieri, [A comprehensive performance evaluation of the air quality model BOLCHEM over Italy](#), *Atmospheric Environment*, 2008,42, 1169-1185
- P.13. A. De Marco, A. Screpanti, S. Racalbutto, T. Pignatelli, G. Vialetto, F. Monforti & G. Zanini, [Comparison between ozone monitoring data and modelling data, in Italy, from the perspective of health indicator assessments](#), *WIT Transactions on Ecology and the Environment*, 2009, 116, pp. 125-134
- P.14. F. Monforti, A Szikszai, [A MonteCarlo approach for assessing the adequacy of European Gas Transmission system under supply crisis conditions](#), *Energy Policy*, 2010, 38 (5). p. 2486-2498.
- P.15. A Szikszai, F. Monforti, [GEMFLOW: A time dependent model to assess responses to natural gas supply crises](#), *Energy Policy*, 2011, 39 (9) , pp. 5129-5136
- P.16. A Jaeger-Waldau, M Szabo, N Scarlat, F. Monforti, [Renewable electricity in Europe](#), *Renewable and Sustainable Energy Reviews*, 2011, 15 (8), p. 3703-3716
- P.17. F Monforti, K Bodis, N Scarlat, J-F Dallemand, [The possible contribution of agricultural crop residues to renewable energy targets in Europe: A spatially explicit study](#), *Renewable and Sustainable Energy Reviews*, 2013, 19, p. 666-677
- P.18. N. Scarlat, J.F. Dallemand, V. Motola, F. Monforti, [Bioenergy production and use in Italy: Recent developments, perspectives and potential](#), *Renewable Energy*, 2013, 57, p. 448-461
- P.19. F Monforti, T Huld, K Bodis, L Vitali, M. D'Isidoro, R Lacal Arántegui, [Assessing complementarity of wind and solar resources for energy production in Italy](#). A Monte Carlo approach. *Renewable Energy*, 2014, 63, p. 576-586
- P.20. S. Szabó, A. Jaeger Waldau, M. Szabó, F. Monforti-Ferrario, L. Szabó, H. Ossenbrink, [European renewable government policies versus model predictions](#), *Energy Strategy Reviews*, 2014, 2 (3-4), p. 257-264
- P.21. M. N. Matinga, I Pinedo-Pascua, J. Vervaeke, F. Monforti-Ferrario, S. Szabó, [Do African and European energy stakeholders agree on key energy drivers in Africa? Using Q methodology to understand perceptions on energy access debates](#), *Energy Policy*, 2014, 69, p. 154-164
- P.22. M. Gaetani, T. Huld, E. Vignati, F. Monforti-Ferrario, A. Dosio, F. Raes, [The near future availability of photovoltaic energy in Europe and Africa in climate-aerosol modeling experiments](#), *Renewable and Sustainable Energy Reviews*, 2014, 38, p. 706-716

- P.23. K. Bódis, F. Monforti, S. Szabó, [Could Europe have more mini hydro sites? A suitability analysis based on continentally harmonized geographical and hydrological data](#), *Renewable and Sustainable Energy Reviews*, 2014, 37, p. 794-808
- P.24. F. Monforti, E. Lugato, V. Motola, K. Bodis, N. Scarlat, JF Dallemand, [Optimal energy use of agricultural crop residues preserving soil organic carbon stocks in Europe](#), *Renewable and Sustainable Energy Reviews*, 2015, 44, p. 519-529
- P.25. I. Kougias, S. Szabo, F. Monforti, T. Huld, K. Bodis, [A methodology for optimization of the complementarity between small-hydropower plants and solar PV systems](#), *Renewable Energy*, 2016, 87, p.1023-1030
- P.26. N. Scarlat, JF Dallemand, F. Monforti, V Motola, L Mofor, [Evaluation of energy potential of Municipal Solid Waste from African urban areas](#), *Renewable and Sustainable Energy Reviews*, 2015,50, p. 1269–1286
- P.27. N. Scarlat, JF Dallemand, F. Monforti, V. Nita, [The role of biomass and bioenergy in a future bioeconomy: Policies and Facts](#), *Environmental Development*, 2015, 15, p. 3–34
- P.28. I. Kougias, K. Bodis, A. Jaeger-Waldau, F. Monforti, S. Szabo, [Exploiting existing dams for solar PV system installations](#), *Progresses in PhotoVoltaics*, 2016, 24, p. 229-239
- P.29. F. Monforti, M. Gaetani, E. Vignati, [How synchronous is wind energy in European countries?](#) *Renewable and Sustainable Energy Reviews*, 2016, 59, p. 1622–1638
- P.30. N. Scarlat, JF Dallemand, F. Monforti, M Banja, V Motola, [Renewable energy policy framework and bioenergy contribution in the European Union – an overview from National Renewable Energy Action Plans and first Progress Reports](#), *Renewable and Sustainable Energy Reviews*, 2015, 51, p. 969–985
- P.31. Kougias I, Karakatsanis D, Malatras A, Monforti-Ferrario F, Theodossiou N. [Renewable energy production management with a new HSA optimization toolkit](#), *Clean Technologies and Environmental Policy*, 2016 , p. 1-10
- P.32. Kougias I, Szabo S, Bodis K, Jager-Waldau A, Moner-Girona M, Monforti-Ferrario F, Ossenbrink H. [The potential of water infrastructure to accommodate solar PV systems in Mediterranean islands](#), *Solar Energy*, 2016, 136, p. 174–182
- P.33. Notarnicola, P. Renzulli, A. Tassielli, F. Monforti, [Energy Flows and Greenhouses Gases of EU national breads using an LCA approach](#), *Journal of Cleaner Production*, Volume 140, Part 2, 1 January 2017, Pages 455-469
- P.34. M.M. Miglietta, T. Huld, F. Monforti, [Complementarity of wind and solar energy resources over Europe: an assessment study from a meteorological perspective](#), *Journal of applied Meteorology and Climatology*, 2017, 56, pp. 217-234
- P.35. I. González-Aparicio, F. Monforti, P. Volker, A. Zucker, F. Careri, T. Huld, J. Badger, [Simulating European wind power generation applying statistical downscaling to reanalysis data](#), *Applied Energy* 199 (2017) 155–168
- P.36. Fabio Monforti, Iratxe Gonzalez-Aparicio, [Comparing the impact of uncertainties on technical and meteorological parameters in wind power time series modelling in the European Union](#), *Applied Energy* 206 (2017) 439–450
- P.37. Albana Kona, Fabio Monforti-Ferrario, Jean-Francois Dallemand, Rivas Silvia, Paolo Bertoldi, [Covenant of Mayors signatories leading the way towards 1.5 degree global warming pathway](#), *Sustainable Cities and Society*,41 (2018), 568-575
- P.38. Fabio Monforti-Ferrario, Albana Kona, Emanuela Peduzzi, Denise Pernigotti, Enrico Pisoni, [The impact on air quality of energy saving measures in the major cities signatories of the Covenant of Mayors initiative](#), *Environmental International*, 118 (2018), 222-234
- P.39. N. Scarlat, F. Fahl, F. Monforti, V. Motola, [A spatial analysis of biogas potential from manure in Europe](#), *Renewable and Sustainable Energy Reviews*, 2018, 94, p. 915-930
- P.40. N. Scarlat, F. Fahl, E. Lugato, F. Monforti, J.F. Dallemand, [Integrated and spatially explicit assessment of sustainable crop residues potential in Europe](#), *Biomass and Bioenergy*, 2019, 122, p. 257-269
- P.41. Davy Vanham, [...] Fabio Monforti-Ferrario *et al*, [Environmental footprint family to address local to planetary sustainability and deliver on the SDGs](#), *Science of the Total Environment*, 2019, 693, p. 133642
- P.42. C. Belis, E. Pisoni, B. Degraeuwe, E. Peduzzi, P. Thunis, F. Monforti, D. Guizzardi, [Urban pollution in the Danube and Western Balkans regions: The impact of major PM_{2.5} sources](#), *Environment International*, 2019, 133, 105158
- P.43. E. Peduzzi, M. Baldi, E. Pisoni, A.Kona, P. Bertoldi, F. Monforti, [Impacts of a climate change initiative on air pollutant emissions: Insights from the Covenant of Mayors](#), *Environment International* 2020, 145, 106029
- P.44. M. Crippa, E. Solazzo, D. Guizzardi, F. Monforti, F. Tubiello, A. Leip, [Food systems are responsible for a third of global anthropogenic GHG emissions](#), *Nature Food*, 2, 198–209, 2021

- P.45. F. Monforti, M. Poncela Blanco, [The impact of power network congestion, its consequences and mitigation measures on air pollutants and greenhouse gases emissions. A case from Germany](#), *Renewable and Sustainable Energy Reviews*, 150(1):111501, 2021
- P.46. A. Kona, P. Bertoldi, M. Baldi, F. Monforti et al., [Global Covenant of Mayors, a dataset of greenhouse gas emissions for 6200 cities in Europe and the Southern Mediterranean countries](#), *Earth System Science Data*, 13(7):3551–3564, 2021
- P.47. G. Oreggioni, F. Monforti et al., [Climate change in a changing world: socio-economic and technological transitions, regulatory frameworks and latest trends on global greenhouse gas emissions from EDGAR v.5.0](#), *Global Environmental Change*, 70, 102350, 2021
- P.48. G. Oreggioni, O. Mahiques, F. Monforti et al., [The impacts of technological changes and regulatory frameworks on global air pollutant emissions from energy industry and road transport](#), *Energy Policy* 168, 113021, 2022
- P.49. M. Crippa,..., F. Monforti et al. [The HTAP v3 emission mosaic: merging regional and global monthly emissions \(2000–2018\) to support air quality modelling and policies](#), *Earth Syst. Sci. Data*, 15, 2667–2694, 2023
- P.50. Fabio Monforti-Ferrario, Monica Crippa, Enrico Pisoni, [Addressing the different paces of climate and air quality emission evolution: an analysis based on the latest EDGAR data](#), *iScience* 27(1):108686, 2023.
- P.51. Stefano Zauli-Sajani, Philippe Thunis, Enrico Pisoni, Bertrand Bessagnet, Fabio Monforti-Ferrario, Alexander De Meij, Ferenc Pekar, Elisabetta Vignati, [Reducing biomass burning is key to decrease PM2.5 exposure in European cities](#), *Scientific Reports* volume 14, 10210, 2024

Submitted for publication

- S.1 M. Banja, F. Monforti, C. Belis, How are Western Balkans countries moving towards the capacity market mechanism for Renewable Energy Sources – A comparative analysis. Submitted to *Renewable Energy*
- S.3 Camilo Franco, Giulia Melica, Aldo Treville, Marta Giulia Baldi, Valentina Palermo, Paolo Bertoldi, Enrico Pisoni, Fabio Monforti-Ferrario and Monica Crippa, GCoM datasets: a collection of action plans from cities committed to climate change mitigation, adaptation and energy access. Submitted to *Scientific data*
- S.4 Enrico Pisoni, Sasha Khomenko, Rita Van Dingenen, Claudio Belis, Bertrand Bessagnet, Philippe Thunis, Fabio Monforti-Ferrario, Luc Feyen, Spatial and distributional aspects of health benefits due to climate scenarios: a modelling study. Submitted to *Lancet Planetary Health*
- S.5 Palermo Valentina, Bertoldi Paolo, Crippa Monica, Franco de Los Rios Camilo, Monforti-Ferrario Fabio, Pisoni Enrico, Uncovering divergences and potential gaps in local greenhouse gases emissions accounting and aggregation, submitted to *One Earth*

EUR reports

- EU.1. H. Bloem, F. Monforti, M. Szabo and A. Jäger-Waldau, [Renewable Energy Snapshots 2010](#), EUR 24440 EN – 2010
- EU.2. D Mulligan, R. Edwards, L Marelli, N Scarlat, M Brandao, F Monforti, [The Effects of Increased Demand for Biofuels Feedstocks on the World Agricultural Markets and Areas - Outcomes of a Workshop 10-11 February 2010, Ispra \(Italy\)](#), EUR 24464 EN – 2010
- EU.3. M Szabo, A. Jaeger-Waldau, F Monforti, N Scarlat, J Bloem, M Quicheron, T Huld, H. Ossenbrink, [Technical assessment of the Renewable Energy Action Plans](#), JRC Reference report, EUR 24926 EN – 2011
- EU.4. A. Jäger-Waldau, M. Szabo, F. Monforti, H. Bloem, R Lacal Arántegui [Renewable Energy Snapshots 2011](#), EUR 24954 EN – 2011
- EU.5. Fabio Monforti (editor and lead author)) [Renewable Energies in Africa - Current Knowledge](#), EUR 25108 EN – 2011
- EU.6. M. Vignali, F. Serra, F. Monforti, [Methodology for Differentiating Source and Provenance of Biofuels Feedstock](#), EUR 25023 EN - 2011
- EU.7. A. Jäger-Waldau, M. Banja, F. Monforti, H. Bloem, R Lacal Arántegui, M Szabo, [Renewable Energy Snapshots 2012](#), EUR 25756 EN – 2013
- EU.8. M Banja, F Monforti, N Scarlat, [Review of Technical Assessment of National Renewable Energy Action Plans, 25757 EN](#) – 2013
- EU.9. F. Monforti (editor and lead author) [The availability of renewable energies in a changing Africa](#), EUR 25980 EN - 2013
- EU.10. M. Banja, N. Scarlat, F. Monforti-Ferrario, [Renewable Energy Development in EU 27 \(2009-2010\)](#), EUR 26166 EN – 2013

- EU.11. N. Scarlat, M. Banja, JF Dallemand, F. Monforti-Ferrario, [Snapshots of renewable energy developments in the European Union. Status in 2010 and progress in comparison with National Renewable Energy Action Plans](#). EUR 26338 EN -2013
- EU.12. M. Banja, N. Scarlat, F. Monforti-Ferrario, JF. Dallemand, [Renewable Energy Progress in EU 27 2005-2020](#), EUR 26481 EN -2013
- EU.13. H. Medarac, N. Scarlat, F. Monforti-Ferrario, K. Bódis, [Report on the impact of R1 climate correction factor on the Waste-to-Energy \(WtE\) plants based on data provided by Member States](#), EUR 26720 EN – 2014
- EU.14. M. Banja, N. Scarlat, JF. Dallemand, F. Monforti-Ferrario, V. Motola, K. Bódis, [Bioenergy deployment in the Danube Region](#), EUR 26647 EN – 2014
- EU.15. H. Ossenbrink, GP. Celata, F. Monforti, P. Pistochini (editors), [Results of the IET-ENEA implementation of the JRC-ENEA Memorandum of Understanding](#), EUR 26723 EN – 2014
- EU.16. M. Banja, F. Monforti, K. Bodis, V. Motola, H. Ossenbrink, [Renewable energy in European Union for climate change mitigation: Greenhouse gas emission savings due to renewable energy \(2009-12\)](#), EUR 27253 EN – 2015
- EU.17. F. Monforti and I. Pinedo (editors and lead authors), [Energy use in the EU food sector: State of play and opportunities for improvement](#), EUR 27247 EN – 2015
- EU.18. M. Gaetani, E. Vignati, F. Monforti, T. Huld, A. Dosio, F. Raes, [Climate modelling and renewable energy resource assessment](#), JRC95440 – 2015
- EU.19. M. Banja, F. Monforti, K. Bodis, [Renewable energy technologies/sources path within EU 2020 strategy](#), EUR 27447 – 2015
- EU.20. M. Banja, F. Monforti, K. Bodis, M. Economidou, JF. Dallemand, N. Scarlat, H. Medarac, A. Kona, [Sustainable energy in the Danube region as an integral part of EU 2020 strategy: Analysis of NREAPs, NEEAPs and renewable energy progress reports of Danube region countries](#), EUR 27730 EN – 2016
- EU.21. Albana Kona, Giulia Melica, Brigitte Koffi, Andreea Iancu, Paolo Zancanella, Silvia Rivas Calvete, Paolo Bertoldi, Greet Janssens-Maenhout, Monforti Ferrario F. [Covenant of Mayors: Greenhouse Gas Emissions Achievements and Projections](#), EUR 28155 EN - 2016
- EU.22. I. Gonzalez-aparicio, T Huld, F Careri, F. Monforti, A. Zucker, J. Badger, [EMHIRES dataset Part I: Wind power generation. European Meteorological derived High resolution RES generation time series for present and future scenarios](#), EUR 28171 EN - 2016
- EU.23. M. Banja, F. Monforti, K. Bodis, A. Jäger-Waldau, N. Taylor, JF Dallemand, N. Scarlat, [Renewable energy deployment in the European Union, volume 3](#). EUR 28512 EN - 2017
- EU.24. Moner Girona M, Bodis K, Korgo B, Huld T, Kougiass I, Pinedo Pascua I, Monforti-Ferrario F and Szabo S. [Mapping the least-cost option for rural electrification in Burkina Faso: Scaling-up renewable energies](#). EUR 28514 EN. - 2017
- EU.25. M. Banja, F. Monforti, K. Bodis, A. Kona, A. Jäger-Waldau, N. Taylor, JF Dallemand, [Mitigating Climate Change: Renewables in the EU: Cutting greenhouse gas emissions through renewables: Volume 3](#). EUR 28677 EN -2017
- EU.26. I. Gonzalez-aparicio, T Huld, F Careri, F. Monforti, A. Zucker, [EMHIRES dataset: Part II: Solar Power Generation](#), EUR 28629 EN – 2017
- EU.27. Banja M, Jegard M, Monforti F, Taylor N, Dallemand J-F, Motola V, Sikkema R, [Renewables in the EU: An overview of support schemes and measures](#), EUR 29100 EN – 2017
- EU.28. Kougiass Ioannis; Szabo Sandor; Scarlat Nicolae; Monforti Fabio; Banja Manjola; Bodis Katalin; Moner Magda; [Water-Energy-Food nexus interactions assessment: Renewable energy sources to support water access and quality in West Africa](#), EUR 29196 EN – 2018
- EU.29. Monforti, F.; Belis, C.; [Sustainable use of biomass in the residential sector](#), EUR 29542 EN – 2018
- EU.30. Dobricic, S., Monforti, F., Pozzoli, L., Wilson, J., Gambardella, A., Tilche, A. [Impact assessment study on societal benefits of Arctic observing systems](#). EUR 29400 EN – 2018
- EU.31. Muntean M, Van Dingenen R. Monforti F. et al, [Identifying key priorities in support to the EU Macro-regional Strategies implementation An ex-ante assessment for the Adriatic-Ionian and Alpine regions focusing on clean growth in transport and bioenergy](#), JRC110395 – 2019
- EU.32. Vandecasteele I.,..., Monforti F. et al, [The Future of Cities, Opportunities, Challenges and the Way Forward](#), EUR 29752 EN – 2019
- EU.33. Monforti-Ferrario, F., Astorga-Llorens, C., Pisoni, E., [Policy pressures on air. Anticipating unforeseen effects of EU policies on Air Quality](#) EUR 29974 EN – 2019
- EU.34. Degrauwe, B., Pisoni, E., Peduzzi, E., De Meij, A., Monforti-Ferrario, F., Bodis, K., Mascherpa, A., Astorga-Llorens, M., Thunis, P and Vignati, E., [Urban NO₂ Atlas](#), EUR 29943 EN -2019
- EU.35. Crippa, M., Oreggioni, G., Guizzardi, D., Muntean, M., Schaaf, E., Lo Vullo, E., Solazzo, E., Monforti-Ferrario, F., Olivier, J.G.J., Vignati, E., [Fossil CO₂ and GHG emissions of all world countries - 2019 Report](#), EUR 29849 EN – 2019

- EU.36. Crippa, M., Guizzardi, D., Muntean, M., Schaaf, E., Solazzo, E., Monforti-Ferrario, F., Olivier, J.G.J., Vignati, E., [Fossil CO2 emissions of all world countries - 2020 Report](#), EUR 30358 EN – 2020
- EU.37. Crippa, M., Guizzardi, D., Muntean, M., Schaaf, E., Solazzo, E., Monforti-Ferrario, F., Banj, M., Olivier, J.G.J., Grassi, G., Rossi, S., Vignati, E., [GHG emissions of all world countries – 2021 Report](#), EUR 30831 EN – 2021
- EU.38. Lo Vullo, E., Palermo V., Rivas, S., Monforti-Ferrario, F., Bertoldi, P., [Global Covenant of Mayors in the Middle East and North Africa \(MENA\) region: how to set the 2030 emission reduction targets according to the Nationally Determined Contributions](#), EUR 30729 EN – 2021
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