

Curriculum Vitae of Prof. Pier Paolo Franzese

(Last update July 2020)



SHORT BIO

Pier Paolo Franzese is Professor of Ecology at the Department of Science and Technology of Parthenope University of Naples, Italy.

After graduating with honours in “Environmental Sciences” he achieved the international title of Ph.D. in “Crop Systems, Forestry, and Environmental Science” with label of Doctor Europaeus.

Over the last fifteen years his research and teaching activities have been focused on the development of an ecosystem approach for studying human-environment interactions.

Always striving for the application of a system-based and interdisciplinary approach to science, his main research interest is focused on environmental assessment and accounting to study natural and human-dominated ecosystems.

Prof. Franzese is Chair holder of the UNESCO Chair “Environment, Resources and Sustainable Development”. In addition, he is Coordinator of the International Ph.D. Programme “Environment, Resources and Sustainable Development” hosted at Parthenope University of Naples where he also founded and directs the Laboratory of Ecodynamics and Sustainable Development.

He is Subject Editor of the international journals Ecological Modelling (Elsevier) and Ecological Questions (NCU). In addition, he is Member of the Editorial Boards of the international journals Energy, Ecology and Environment (Springer) and Journal of Environmental Accounting and Management (L&H).

He is President of the International Society for the Advancement of Energy Research (ISAER) and Coordinator of the national working groups on “Natural Capital, Ecosystem Services, and Environmental Accounting” of the Italian Society of Marine Biology (SIBM), Italian Society of Ecology (SItE), and the Italian Order of Biologists (ONB).

PERSONAL DATA

Full name: Pier Paolo Franzese
Place and date of birth: Naples, Italy, February 24th, 1970
Citizenship: Italian

BUSINESS ADDRESS & CONTACTS

Department of Science and Technology
Laboratory of Ecodynamics and Sustainable Development
Parthenope University of Naples
Centro Direzionale, Isola C4, (80143) Naples, Italy
Telephone: +39 081 5476528
E-mail: pierpaolo.franzese@uniparthenope.it - Skype contact: pierpaolofranzese

EDUCATION

2006, International Ph.D. in Crop Systems, Forestry, and Environmental Sciences
University of Basilicata, Italy
Orientation in Environmental Sciences and Label of Doctor Europaeus

2002, Degree in Environmental Sciences
Parthenope University of Naples, Italy
Bachelor + Master (5 years course), graduated with honours

PRESENT ACADEMIC POSITIONS

Professor of Ecology (tenured position)
Department of Science and Technology, Parthenope University of Naples, Italy

MAIN INTERESTS AND FIELDS OF EXPERTISE

- Human-environment interactions
- Sustainable Development Goals (SDGs)
- Environmental assessment and accounting
- Ecological goal functions and environmental footprints
- Systems ecology and ecological modelling
- Natural capital and ecosystem services assessment
- Nature conservation and protected areas
- UNESCO-MAB Biosphere Reserves
- Urban and social metabolism
- Food security and sustainable development
- Nature conservation and protected areas
- Scientific writing

COORDINATION OF SCIENTIFIC AND ACADEMIC NETWORKS

Chair holder, UNESCO Chair in “Environment, Resources, and Sustainable Development”, Parthenope University of Naples, Italy. Website: www.unescochair.uniparthenope.it

Coordinator of the International Ph.D. Programme “Environment, Resources, and Sustainable Development”. Website: www.ersd.uniparthenope.it

President of the International Society for the Advancement of Emergy Research
Website: <https://www.emergysociety.com>

Coordinator of the national working group “Natural Capital, Ecosystem Services, and Environmental Accounting” of the Italian Society of Marine Biology (SIBM).
Website: <https://gdlsibm.weebly.com>

Coordinator of the national working group “Natural Capital, Ecosystem Services, and Environmental Accounting” of the Italian Society of Ecology (SItE).
Website: <https://gdlenseca.weebly.com>

Coordinator of the national working group “Natural Capital, Ecosystem Services, and Environmental Accounting” of the Italian Order of Biologists (ONB).
Website: <https://capitalenaturale.weebly.com>

INTERNATIONAL RESPONSIBILITIES

Responsible for bilateral cooperation agreements and scientific collaborations with the following Institutions:

- UNESCO Division of Ecological and Earth Sciences, France.
- Department of Urban and Rural Development, SLU, Sweden.
- Faculty of Biology and Environment Protection, Nicolaus Copernicus University, Poland.
- Faculty of Agronomy, Peoples’ Friendship University of Russia, Russia.
- H.T. Odum Center for Environmental Policy, University of Florida, United States.
- School of Environment, Beijing Normal University, China.
- Paulista University, Brazil.
- National Institute of Agricultural Technology (INTA), Argentina.
- Universidad Regional Amazonica (IKIAM), Ecuador.
- National Center for Remote Sensing (NCRS), Lebanon.
- Mediterranean Agronomic Institute of Bari (CIHEAM-IAMB), Italy.
- Council for Agricultural Research and Economics (CRA-MPF), Italy.

COORDINATION OF RESEARCH PROJECTS FUNDED BY UNESCO

UNESCO-IHP, Division of Water Sciences, UNESCO HQs, Paris, France

Title: “Integrated Environmental Assessment of Agricultural and Farming Production Systems in the Toledo River Basin (Brazil)”. Web page:

http://unesdoc.unesco.org/Ulis/cgi-bin/ulis.pl?catno=219447&set=52E3FF0F_2_34&gp=0&lin=1&li=1

PARTICIPATION IN RESEARCH PROJECTS FUNDED BY EUROPEAN COMMISSION

Development and Comparison of Sustainability Indicators (DECOIN) Funded by EU-6FP. Project No. 044428 - FP6-2005-SSP-5A (<http://www.decoin.eu/>)

Synergies in Multi-scale Inter-Linkages of Eco-social systems (SMILE) Funded by EU-7FP. Project no. 217213 - FP7-SSH-2007-1 (<http://www.smile-fp7.eu/>)

Material Advanced Recovery Sustainable Systems (MARSS) LIFE+11 ENV/DE/ - Project in progress (http://www.marss.rwth-aachen.de/cms/front_content.php)

GRANTS FOR INTERNATIONAL MOBILITY AS P.I.

2015, European Structural Funds, project “TEMASAV”, research mobility at the Department of Urban and Rural Development of the Swedish University of Agricultural Sciences of Uppsala (Sweden).

2015, European Structural Funds, project “Knowledge”, research mobility at the Faculty of Ecology of the Peoples’ Friendship University of Russia.

2013, research mobility at the Abisko Scientific Research Station of the Swedish Polar Secretariat in the framework of the programme “International Network for Terrestrial Research and Monitoring in the Arctic” (INTERACT). <http://www.eu-interact.org/>

Title of the research project: “*Mapping and valuing ecosystem services in Swedish Lapland*”.

2012, research mobility at the Abisko Scientific Research Station of the Swedish Polar Secretariat in the framework of the programme “International Network for Terrestrial Research and Monitoring in the Arctic” (INTERACT) <http://www.eu-interact.org/>

Title of the research project: “*Valuing Ecosystem Services in the Abisko area*”.

2008, research mobility at the Abisko Scientific Research Station of the Swedish Royal Academy of Sciences in the framework of the Transnational Access Programme.

Title of the research project: “*Evaluation of natural capital and ecosystem services in the Lake Torne Biosphere Reserve, Sweden*”.

2007, research mobility at UNESCO-MAB Secretariat (Paris, France).

EDITOR OF INTERNATIONAL SCIENTIFIC JOURNALS

Subject Editor of the scientific journal Ecological Modelling (Elsevier, ISSN 0304-3800)
Subject “Environmental accounting models”

Subject Editor of the scientific journal Ecological Questions (NCU, ISSN print 1644-7298)
Subject “Environmental accounting”

MEMBER OF THE EDITORIAL BOARDS OF INTERNATIONAL SCIENTIFIC JOURNALS

Energy, Ecology and Environment
(Springer, ISSN print 2363-7692)

Journal of Environmental Accounting and Management
(L&H, ISSN print 2325-6192)

MEMBER OF THE EDITORIAL BOARDS OF ITALIAN SCIENTIFIC JOURNALS

Member of the scientific committee of BIOS’, official journal of the Italian Order of Biologists

Member of the scientific board of “Dendronatura”, official journal of the Trentino forest association

From 2003 to 2012, Editorial Board Member of “Biologi Italiani”, official journal of the National Order of Italian Biologists, published in 45,000 copies per month (ISSN 0392-2510)

PEER REVIEWER FOR INTERNATIONAL SCIENTIFIC JOURNALS

From 2005 to date, Peer Reviewer for several international scientific journals, books, and reports: Scientific Reports, Ecological Indicators, Ecological Modelling, Ocean & Coastal Management, Journal of Environmental Management, Regional Studies in Marine Science, Sustainability, Environmental Management, IPCC WGIII Fifth Assessment Report, Encyclopedia of Ecology, among others.

PARTICIPATION IN NATIONAL AND INTERNATIONAL Ph.D. EXAMINATION BOARDS & OTHER SELECTION COMMITTEES

2020, Department of Earth and Sea Sciences, University of Palermo, Italy
Invited member of the examination board for thesis defense

2016, School of Social Sciences, University of Trento, Italy
Invited member of the international board for thesis defense

2012, Estonian Science Foundation, Estonia
Invited Reviewer for the evaluation of Post-Doc project proposals

2011-2015, Fulbright Programme, Parthenope University, Italy
Member of the evaluation board for the selection of the Distinguished Fulbright Chair in “Energy and Environment”

2009, Faculty of Sciences, Department of Ecology, Autonomous University of Madrid, Spain
Invited member of the international board for thesis defense

2009, Department of Mechanical Engineering, University of Zaragoza, Spain
Invited Reviewer for PhD thesis defense

PEDAGOGICAL MERITS

From 2006 to 2020, I have been teaching at Bachelor, Master, and PhD level for about 200 ECTS the following subjects: applied ecology, nature conservation, systems ecology and environmental assessment, environmental and energy assessment, energy accounting, environmental accounting, scientific writing. For all my courses, I have developed my own teaching materials, computer slides, and lectures notes.

ACADEMIC SUPERVISING EXPERIENCE

Master level

- Supervisor of eight (8) Master’s students in Environmental Science and Biology.
- Tutor of four (4) Master’s students in Environmental Science.

PhD and Post-doc level

- Supervisor of twelve (12) PhD students in “Environment, Resources and Sustainable Development”.
- Tutor of five (5) Post-doc researchers.

In addition, I served as tutor/mentor of several students participating in the Erasmus exchange and placement programmes. Since 2010, I also serve as Erasmus Department Coordinator.

LANGUAGE SKILLS

Italian: Mother tongue
English: Fluent

SELECTED INVITED LECTURES AND PARTICIPATION IN SCIENTIFIC CONFERENCES

2019, Naples, Italy

Conference “Sustainability and Circular Economy”

Title: “Natural Capital and Ecosystem Services: the sustainable use of natural resources”

2019, Naples, Italy

Conference “Focusing on Landscape”

Title: “Natural capital and the notion of value”

2019, Salzburg, Austria

Organizer of the Symposium “Environmental Accounting Models” at the International Society for Ecological Modelling Global Conference (ISEM)

2019, Ferrara, Italy

29° Congress of the Italian Society of Ecology (SIte)

Title: “Ecological Goal Functions and the assessment of natural capital value”

2019, Livorno, Italy

50° Congress of the Italian Society of Marine Biology (SIBM)

Chairman of the session “National Working Group on Natural Capital, Ecosystem Services and Environmental Accounting”

2019, Naples, Italy

Organizer and Chairman of the 1° National Workshop on “Natural Capital, Ecosystem Services and Environmental Accounting”

2018, Cagliari, Italy

28° Congress of the Italian Society of Ecology (SIte)

Title: “Accounting for natural capital and ecosystem services in marine protected areas: a multicriteria perspective”

2018, Copenhagen, Denmark

Workshop “Integrated Seagrass Accounts: protocols for linking ecosystem extent and condition to services supply and use”. UNEP-EEA.

Title: “A standardised protocol for accounting the biophysical value of natural capital in marine ecosystems”

2018, Cesenatico, Italy

49° Congress of the Italian Society of Marine Biology (SIBM)

Chairman of the session “National Working Group on Natural Capital, Ecosystem Services and Environmental Accounting”

2017, Naples, Italy

10th Biennial International Workshop Advances in Energy Studies: Energy, Environment, and Well Being.

Title: “Using environmental accounting to operationalize the Planetary Boundaries framework at local scale in marine ecosystems”.

2017, Rome, Italy

48° Conference of the Italian Society of Marine Biology (SIBM)

Title: “La contabilità ambientale per la valutazione del capitale naturale e dei servizi ecosistemici”

2016, Ustica, Italy

GeoSub 2016

Title “Accounting for natural capital and ecosystem services in marine protected areas”

2016, Beijing, China

World Summit on Environmental Accounting

Title: “Assessing the biophysical and economic value of natural capital in marine protected areas”

2015, Rome, Italy

46° Conference of the Italian Society of Marine Biology (SIBM)

Title: “Environmental accounting and ecosystem services assessment: tools for marine territory planning”

2015, Moscow, Russia

Peoples’ Friendship University of Russia, Faculty of Ecology

Title: “Assessing the environmental performance and sustainability of natural and human-dominated ecosystems: A biophysical and systems perspective”

2014, Moscow, Russia

Peoples’ Friendship University of Russia, Faculty of Ecology

Title: “Multi-criteria environmental assessment: A biophysical and systems perspective”

2014, Helsinki, Finland

SYKE, Conference “Systems Ecological Perspectives on Sustainability”

Title: “A multicriteria and systems-based perspective to ecosystem services assessment”

2013, Paris, France

UNESCO, Engagement Workshop on the Inclusive Wealth Report (IWR)

2012, Mumbai, India

8th Biennial International Workshop Advances in Energy Studies. Energy Security and Development – The changing global context.

Title: “Assessing environmental costs and benefits of wood-based bioenergy options: a life cycle assessment perspective”

2012, Columbus, U.S.

EcoSummit

Title: “Multicriteria Assessment of Agricultural and Farming Production Systems: The Case of the Toledo River Basin (Brazil)”

2012, Riga, Latvia

University of Latvia, 27-30 June 2012

3rd International Conference on Integrative Approaches Towards Sustainability. Supported by European Commission and FP7 project FOTONIKA-LV.

Title: “Assessing the economic and environmental performance of electricity production at national level: the case of Finland”

2012, Paris, France

UNESCO’s Natural Sciences Sector Seminars

UNESCO Headquarters, Paris, France, 19 March 2012

Title: “System Thinking: from Science to Practice”

2012, Bari, Italy

Mediterranean Agronomic Institute, Bari, Italy, 5-6 March 2012. Series of Lectures

Title: “Environmental performance and sustainability of agro-ecosystems”

2010, Paris, France

UNESCO International Year Biodiversity Science Policy Conference

UNESCO headquarters, Paris, France, 25-29 January 2010

2010, Naples, Italy

III National Conference “Soil Quality, Food and Health”

Parthenope University of Naples, Italy, 20-22 May 2010

Title: “Resource accounting and the environmental sustainability of agro-ecosystems”

2010, Bolzano, Italy

Free University of Bozen, Italy, 21 January 2010. Series of Lectures

Title: “Environmental and Energy Assessment: an ecological perspective”

2010, Roma, Italy

Seminario Nazionale ISPRA “Suolo e biodiversità”.

Title: “Suolo e biodiversità: opportunità per il nuovo millennio”

2010, Gainesville, Florida, U.S.

Emergy Synthesis 6. Theory and Applications of the Emergy Methodology.

Center for Environmental Policy, University of Florida, Gainesville, USA, 14 January 2010.

Title: “Emergy evaluation of an integrated bioenergy production system. The case study of Enköping (Sweden)”

2009, XXII Congresso internazionale dell’Ordine Nazionale dei Biologi.

Title: “Il Programma Uomo e Biosfera dell’UNESCO e la gestione sostenibile delle risorse naturali”

2008, Graz, Austria

Trans-Atlantic Research & Development Interchange on Sustainability Scientific Workshop (TARDIS 2008), organized by EPA (US) and Graz University of Technology (Austria) in Seggau (Austria)

2008, Gainesville, Florida, U.S.

Emergy Synthesis 5. Theory and Applications of the Emergy Methodology.

Center for Environmental Policy, University of Florida, Gainesville, USA, January 31, 2008.

Title: "Emergy-based evaluation of natural capital and ecosystem services: the case study of Astroni wildlife reserve, Italy"

2007, Paris, France

UNESCO headquarters, 21 September 2007, Paris, France.

Meeting of the Bureau of the International Co-ordinating Council of the Man and the Biosphere (MAB) Programme

2007, Naples, Italy

NATO Advanced Research Workshop

"Sustainable energy production and consumption and environmental costing".

Parthenope University of Naples, Italy, 3-7 July 2007.

Title: "GIS and energy analysis for proper use of local energy resources and waste biomass"

List of Publications

(Last update July 2020)

PEER REVIEWED PUBLICATIONS

SPECIAL ISSUE OF INTERNATIONAL JOURNALS AS SUBJECT OR GUEST EDITOR

1. **Franzese, P.P.**, Basset, A., Almeida, C., Fano, E.A., Piernik, A., Scardi, M., MODELLING NATURAL CAPITAL AND ECOSYSTEM SERVICES IN NATURAL, HUMAN-DOMINATED, AND MAN-MADE ECOSYSTEMS. *Ecological Modelling* (Elsevier), In Press.
2. **Franzese, P.P.**, Manes, F., Scardi, M., Riccio, A., 2018. MODELLING MATTER AND ENERGY FLOWS IN THE BIOSPHERE AND HUMAN ECONOMY. *Ecological Modelling* (Elsevier), 422, 108984.
3. **Franzese, P.P.**, Liu, G., Aricò, S., 2019. ENVIRONMENTAL ACCOUNTING MODELS AND NATURE CONSERVATION STRATEGIES. *Ecological Modelling* (Elsevier), 397: 36-38.
4. **Franzese, P.P.**, Maisto, G., Mangoni, O., Buonocore, E., 2018. BIODIVERSITY, ECOSYSTEMS, AND GLOBAL CHANGE. *Ecological Questions*, 29(3).
5. **Franzese, P.P.**, Maisto, G., De Marco, A., Arena, C., Buonocore, E., 2018. ENVIRONMENTAL QUALITY AND MANAGEMENT. *Journal of Environmental Accounting and Management*, 6(4): 291-294.
6. Brown, M.T., Campbell, D.E., Ulgiati, S., **Franzese, P.P.**, 2016. THE GEOBIOSPHERE EMERGY BASELINE: A SYNTHESIS. *Ecological Modelling* (Elsevier), 339: 89-91.
7. **Franzese, P.P.**, Lazarevic, D., Reddy, S., 2016. ENERGY AND URBAN SYSTEMS. *Journal of Environmental Accounting and Management*, 4(2): 99-101.
8. **Franzese, P.P.**, M.T. Brown, S. Ulgiati, 2014. ENVIRONMENTAL ACCOUNTING: EMERGY, SYSTEMS ECOLOGY AND ECOLOGICAL MODELLING. *Ecological Modelling* (Elsevier), 271: 1-3.

ARTICLES IN PEER REVIEWED INTERNATIONAL JOURNALS:

9. Appolloni, L., Buonocore, E., Russo, G. F., **Franzese, P.P.**, 2020. The use of remote sensing for monitoring posidonia oceanica and marine protected areas: A systemic review. *Ecological Questions*, 31(2), 7-17.
10. Buonocore, E., Donnarumma, L., Appolloni, L., (...), Russo, G.F., **Franzese, P.P.**, 2020. MARINE NATURAL CAPITAL AND ECOSYSTEM SERVICES: AN ENVIRONMENTAL ACCOUNTING MODEL. *Ecological Modelling* (Elsevier), 424,109029.

11. Buonocore, E., Appolloni, L., Russo, G.F., **Franzese, P.P.**, 2020. ASSESSING NATURAL CAPITAL VALUE IN MARINE ECOSYSTEMS THROUGH AN ENVIRONMENTAL ACCOUNTING MODEL: A CASE STUDY IN SOUTHERN ITALY. *Ecological Modelling* (Elsevier), 419,108958.
12. SKAF, L., Buonocore, E., Dumontet, S., Capone, R., **Franzese, P.P.**, 2020. APPLYING NETWORK ANALYSIS TO EXPLORE THE GLOBAL SCIENTIFIC LITERATURE ON FOOD SECURITY. *Ecological Informatics* (Elsevier), 56,101062.
13. Pauna, V.H., Buonocore, E., Renzi, M., Russo, G.F., **Franzese, P.P.**, 2019. THE ISSUE OF MICROPLASTICS IN MARINE ECOSYSTEMS: A BIBLIOMETRIC NETWORK ANALYSIS. *Marine Pollution Bulletin* (Elsevier), 149,110612.
14. Buonocore, E., Paletto, A., Russo, G.F., **Franzese, P.P.**, 2019. INDICATORS OF ENVIRONMENTAL PERFORMANCE TO ASSESS WOOD-BASED BIOENERGY PRODUCTION: A CASE STUDY IN NORTHERN ITALY. *Journal of Cleaner Production* (Elsevier), 221: 242-248.
15. Vihervaara, P., **Franzese, P.P.**, Buonocore, E., 2019. INFORMATION, ENERGY, AND ECO-EXERGY AS INDICATORS OF ECOSYSTEM COMPLEXITY. *Ecological Modelling* (Elsevier), 395: 23-27.
16. Skaf, L., Buonocore, E., Dumontet, S., Capone, R., **Franzese, P.P.**, 2019. FOOD SECURITY AND SUSTAINABLE AGRICULTURE IN LEBANON: AN ENVIRONMENTAL ACCOUNTING FRAMEWORK. *Journal of Cleaner Production* (Elsevier), 209: 1025–1032.
17. Buonocore, E., Picone, F., Donnarumma, L., Russo, G.F., **Franzese, P.P.**, 2019. MODELING MATTER AND ENERGY FLOWS IN MARINE ECOSYSTEMS USING EMERGY AND ECO-EXERGY METHODS TO ACCOUNT FOR NATURAL CAPITAL VALUE. *Ecological Modelling* (Elsevier), 392: 137–146.
18. Nikodinoska, N., Paletto, A., Pastorella, F., Granvik, M., **Franzese, P.P.**, 2018. ASSESSING, VALUING AND MAPPING ECOSYSTEM SERVICES AT CITY LEVEL: THE CASE OF UPPSALA (SWEDEN). *Ecological Modelling* (Elsevier), 368: 411–424.
19. Buonocore, E., Picone, F., Russo, G.F., **Franzese, P.P.**, 2018. THE SCIENTIFIC RESEARCH ON NATURAL CAPITAL: A BIBLIOMETRIC NETWORK ANALYSIS. *Journal of Environmental Accounting and Management*, 6(4): 381-391.
20. Pauna, V.H., Picone, F., Le Guyader, G., Buonocore, E., **Franzese, P.P.**, 2018. THE SCIENTIFIC RESEARCH ON ECOSYSTEM SERVICES: A BIBLIOMETRIC ANALYSIS. *Ecological Questions*, 29(3): 53-62.
21. Picone F., Buonocore E., D'Agostaro R., Donati S., Chemello R., **Franzese P.P.**, 2017. INTEGRATING NATURAL CAPITAL ASSESSMENT AND MARINE SPATIAL

- PLANNING: A CASE STUDY IN THE MEDITERRANEAN SEA. *Ecological Modelling* (Elsevier), 361: 1-13.
22. **Franzese P.P.**, Buonocore E., Donnarumma L., Russo G.F., 2017. NATURAL CAPITAL ACCOUNTING IN MARINE PROTECTED AREAS: THE CASE OF THE ISLANDS OF VENTOTENE AND S. STEFANO (CENTRAL ITALY). *Ecological Modelling* (Elsevier), 360: 290-299.
 23. Vassallo, P., Paoli, C., Buonocore, E., **Franzese P.P.**, Russo, G.F., Povero, P., 2017. ASSESSING THE VALUE OF NATURAL CAPITAL IN MARINE PROTECTED AREAS: A BIOPHYSICAL AND TROPHODYNAMIC ENVIRONMENTAL ACCOUNTING MODEL. *Ecological Modelling* (Elsevier), 355: 12–17.
 24. Nikodinoska, N., Buonocore, E., Paletto, A., **Franzese, P.P.**, 2017. WOOD-BASED BIOENERGY VALUE CHAIN IN MOUNTAIN URBAN DISTRICTS: AN INTEGRATED ENVIRONMENTAL ACCOUNTING FRAMEWORK. *Applied Energy* (Elsevier), 186: 197-210.
 25. Häyhä, T., **P.P. Franzese**, A. Paletto, B.D. Fath, 2015. ASSESSING, VALUING, AND MAPPING ECOSYSTEM SERVICES IN ALPINE FORESTS. *Ecosystem Services* (Elsevier), 14: 12–23.
 26. Nikodinoska, N., Paletto, A., **Franzese, P.P.**, Jonasson, C., 2015. VALUATION OF ECOSYSTEM SERVICES IN PROTECTED AREAS: THE CASE OF THE ABISKO NATIONAL PARK (SWEDEN). *Journal of Environmental Accounting and Management*, 3(4): 355-369.
 27. **Franzese, P.P.**, Buonocore, E., Paoli, C., Massa, C., Stefano, D., Fanciulli, G., Miccio, A., Mollica, E., Navone, A., Russo, G.F., Povero, P., Vassallo, P., 2015. ENVIRONMENTAL ACCOUNTING IN MARINE PROTECTED AREAS: THE EAMPA PROJECT. *Journal of Environmental Accounting and Management*, 3(4): 324-332.
 28. Häyhä, T., **P.P. Franzese**, 2014. ECOSYSTEM SERVICES ASSESSMENT: A REVIEW UNDER AN ECOLOGICAL-ECONOMIC AND SYSTEMS PERSPECTIVE. *Ecological Modelling* (Elsevier), 289: 124–132.
 29. Buonocore E., T. Häyhä, A. Paletto, **P.P. Franzese**, 2014. ASSESSING ENVIRONMENTAL COSTS AND IMPACTS OF FORESTRY ACTIVITIES: A MULTI-METHOD APPROACH TO ENVIRONMENTAL ACCOUNTING. *Ecological Modelling* (Elsevier), 271: 10-20.
 30. Russo, T., E. Buonocore, **P.P. Franzese**, 2014. THE URBAN METABOLISM OF THE CITY OF UPPSALA (SWEDEN). *Journal of Environmental Accounting and Management*, 2(1): 1-12.
 31. Viglia, S., A. Nienartowicz, M. Kunz, **P.P., Franzese**, 2013. INTEGRATING ENVIRONMENTAL ACCOUNTING, LIFE CYCLE AND ECOSYSTEM SERVICES ASSESSMENT. *Journal of Environmental Accounting and Management*, 1(4): 307-320.

32. Buonocore E., **P.P. Franzese**, S. Ulgiati, 2012. ASSESSING THE ENVIRONMENTAL PERFORMANCE AND SUSTAINABILITY OF BIOENERGY PRODUCTION IN SWEDEN: A LIFE CYCLE ASSESSMENT PERSPECTIVE. *Energy. The International Journal (Elsevier)*, 37: 69-78.
33. Häyhä T., **P.P. Franzese**, S. Ulgiati, 2011. ECONOMIC AND ENVIRONMENTAL PERFORMANCE OF ELECTRICITY PRODUCTION IN FINLAND: A MULTICRITERIA ASSESSMENT FRAMEWORK. *Ecological Modelling (Elsevier)*, 223: 81-90.
34. Ulgiati, S., A. Zucaro, **P.P. Franzese**, 2011. SHARED WEALTH OR NOBODY'S LAND? THE WORTH OF NATURAL CAPITAL AND ECOSYSTEM SERVICES. *Ecological Economics (Elsevier)*, 70: 778-787.
35. Ulgiati, S., M. Ascione, S. Bargigli, F. Cherubini, **P.P. Franzese**, S. Viglia, A. Zucaro, 2011. MATERIAL, ENERGY AND ENVIRONMENTAL PERFORMANCE OF TECHNOLOGICAL AND SOCIAL SYSTEMS UNDER A LIFE CYCLE ASSESSMENT PERSPECTIVE. *Ecological Modelling (Elsevier)*, 222: 176-189.
36. Viglia S., **P.P. Franzese**, A. Zucaro, K.L. Blackstock, K.B. Matthews, S. Ulgiati, 2011. RESOURCE USE AND BIOPHYSICAL CONSTRAINTS OF SCOTTISH AGRICULTURE. *Ecological Questions*, 15: 61-72.
37. **Franzese P.P.**, T. Rydberg, G.F. Russo., S. Ulgiati, 2009. SUSTAINABLE BIOMASS PRODUCTION: A COMPARISON BETWEEN GROSS ENERGY REQUIREMENT AND EMERGY SYNTHESIS METHODS. *Ecological Indicators (Elsevier)*, 9: 959-970.
38. **Franzese P.P.**, G.F. Russo, S. Ulgiati, 2008. MODELLING THE INTERPLAY OF ENVIRONMENT, ECONOMY AND RESOURCES IN MARINE PROTECTED AREAS. A CASE STUDY IN SOUTHERN ITALY. *Ecological Questions*, 10: 91-97.

PEER REVIEWED INTERNATIONAL BOOKS:

39. **Franzese P.P.**, O. Cavalett, T. Häyhä, S. D'Angelo, 2013. INTEGRATED ENVIRONMENTAL ASSESSMENT OF AGRICULTURAL AND FARMING PRODUCTION SYSTEMS IN THE TOLEDO RIVER BASIN (BRAZIL). Published by the United Nations Educational, Scientific and Cultural Organization (UNESCO), 71 pp., ISBN 978-92-3-001138-3.

PEER REVIEWED INTERNATIONAL BOOK CHAPTERS:

40. Ulgiati, S., M. Ascione, S. Bargigli, F. Cherubini, M. Federici, **P.P. Franzese**, M. Raugei, S. Viglia, A. Zucaro, 2010. MULTI-METHOD AND MULTI-SCALE ANALYSIS OF ENERGY AND RESOURCE CONVERSION AND USE. In: Barbir, F. and Ulgiati, S. (Eds.), *Energy Options Impacts on Regional Security. NATO Science for Peace and Security Series – C: Environmental Security*, pp. 1-36, Springer. (ISBN: 978-90-481-9567-1; ISSN 1874-6519).

41. **Franzese, P.P.**, GF Russo, S. Ulgiati, 2008. GIS AND EMERGY SYNTHESIS EVALUATION OF URBAN WASTE MANAGEMENT. In: Barbir, F. and Ulgiati, S. (Eds.), Sustainable Energy Production and Consumption. Benefits, Strategies and Environmental Costing. NATO Science for Peace and Security Series – C: Environmental Security, pp. 339-352. Springer. (ISBN: 978-1-4020-8493-5; ISSN 1871-4668).

PEER REVIEWED INTERNATIONAL PROCEEDING BOOKS:

42. Ulgiati S., A. Zucaro, **P.P. Franzese**, 2011. RESOURCES, LIFESTYLES AND SHARED WEALTH: THOUGHTS ABOUT A PROSPEROUS WAY DOWN. Science and Democracy 5. Italian Institute for Philosophical Studies. Published on-line 8th April, 2011 (<http://www.dmi.unipg.it/mamone/sci-dem/introduzione.htm>).
43. Buonocore, E., **P.P. Franzese**, T. Rydberg, S. Ulgiati, 2011. EMERGY EVALUATION OF AN INTEGRATED BIOENERGY PRODUCTION SYSTEM. THE CASE STUDY OF ENKÖPING (SWEDEN). In: Brown M.T., Campbell D., Comar V., Haung S.L., Rydberg T., Tilley D., Ulgiati S. (Eds.), EMERGY SYNTHESIS 6. Theory and Applications of the Emergy Methodology. H.T. Odum Center for Environmental Policy, University of Florida, Gainesville, Florida, USA, pp. 185-196 (ISBN 978-0-9707325-5-2).
44. Rótolo, G.C., V. Charlon, **P.P. Franzese**, 2011. EMERGY ACCOUNTING OF AN INTEGRATED GRAZING-MILKING SYSTEM IN ARGENTINA'S PAMPAS. In: Brown M.T., Campbell D., Comar V., Haung S.L., Rydberg T., Tilley D., Ulgiati S. (Eds.), EMERGY SYNTHESIS 6. Theory and Applications of the Emergy Methodology. H.T. Odum Center for Environmental Policy, University of Florida, Gainesville, Florida, USA, pp. 323-335 (ISBN 978-0-9707325-5-2).
45. Viglia, S., A. Zucaro, **P.P. Franzese**, K.L. Blackstock, K.B. Matthews, S. Ulgiati, 2011. EXPLORING RESOURCE USE AND BIOPHYSICAL CONSTRAINTS OF SCOTTISH AGRICULTURE AT REGIONAL AND NATIONAL SCALES. In: Brown M.T., Campbell D., Comar V., Haung S.L., Rydberg T., Tilley D., Ulgiati S. (Eds.), EMERGY SYNTHESIS 6. Theory and Applications of the Emergy Methodology. H.T. Odum Center for Environmental Policy, University of Florida, Gainesville, Florida, USA, pp. 359-372 (ISBN 978-0-9707325-5-2).
46. Cavalett O., S. D'Angelo, **P.P. Franzese**, 2010. ENERGY AND EMERGY EVALUATIONS OF AGRICULTURAL AND FARMING PRODUCTION SYSTEMS IN THE TOLEDO RIVER BASIN (BRAZIL). In: Jesús Ramos-Martín, Mario Giampietro, Sergio Ulgiati, and Sandra G.F. Bukkens (Editors). Can We Break the Addiction to Fossil Energy? Proceedings of the 7th Biennial International Workshop Advances in Energy Studies, Barcelona, Spain, 19-21 October 2010, pp. 497-504 (ISBN 978-84-938852-9-8).
47. Häyhä T., **P.P. Franzese**, S. Ulgiati, 2010. REDUCING THE USE OF FOSSIL FUELS: SCENARIOS FOR FINLAND'S ENERGY FUTURE. In: Jesús Ramos-Martín, Mario Giampietro, Sergio Ulgiati, and Sandra G.F. Bukkens (Editors). Can We Break the Addiction to Fossil Energy? Proceedings of the 7th Biennial International Workshop

Advances in Energy Studies, Barcelona, Spain, 19-21 October 2010, pp. 553-562 (ISBN 978-84-938852-9-8).

48. Buonocore E., **P.P. Franzese**, S. Ulgiati, 2010. ALTERNATIVE ENERGY SOURCES: INTEGRATING URBAN WASTEWATER TREATMENT AND WOOD BIOMASS PRODUCTION FOR BIOENERGY PURPOSE. In: Jesús Ramos-Martín, Mario Giampietro, Sergio Ulgiati, and Sandra G.F. Bukkens (Editors). Can We Break the Addiction to Fossil Energy? Proceedings of the 7th Biennial International Workshop Advances in Energy Studies, Barcelona, Spain, 19-21 October 2010, pp. 257-266 (ISBN 978-84-938852-9-8).
49. **Franzese P.P.**, S. Aricò, S. Viglia, G.F. Russo, S. Ulgiati, 2009. EMERGY-BASED EVALUATION OF NATURAL CAPITAL AND ECOSYSTEM SERVICES: THE CASE STUDY OF ASTRONI WILDLIFE RESERVE, ITALY. In: Brown M.T., Campbell D., Comar V., Haung S.L., Rydberg T., Tilley D., Ulgiati S. (Eds.), EMERGY SYNTHESIS 5. Theory and Applications of the Emergy Methodology. Center for Environmental Policy, University of Florida, Gainesville, USA, pp. 55-64 (ISBN: 978-0-9707325-4-5).
50. Ulgiati S., A. Zucaro, **P.P. Franzese**, 2009. EMERGY AND A POLICY FOR THE COMMONS. In: Brown M.T., Campbell D., Comar V., Haung S.L., Rydberg T., Tilley D., Ulgiati S. (Eds.), EMERGY SYNTHESIS 5. Theory and Applications of the Emergy Methodology. Center for Environmental Policy, University of Florida, Gainesville, USA, pp. 1-14 (ISBN: 978-0-9707325-4-5).
51. Ulgiati S., Zucaro A., **Franzese P.P.**, 2008. MATTER, ENERGY AND EMERGY ASSESSMENT IN THE AGRICULTURAL SECTORS OF THE CAMPANIA REGION. CONSTRAINTS, BOTTLENECKS AND PERSPECTIVES. In: Schnitzer H., Ulgiati S. (Eds.). 6th Biennial International Workshop Advances in Energy Studies, Towards a holistic approach based on science and humanity. Graz University of Technology, Austria, pp. 550-560 (ISBN: 978-3-85125-018-3).
52. **Franzese P.P.**, T. Rydberg, S. Ulgiati, 2008. A COMPARISON BETWEEN GROSS ENERGY REQUIREMENT AND EMERGY SYNTHESIS METHODS. THE CASE OF AGRICULTURAL PRODUCTION. In: Schnitzer H., Ulgiati S. (Eds.). 6th Biennial International Workshop Advances in Energy Studies, Towards a holistic approach based on science and humanity. Graz University of Technology, Austria, pp. 275-294 (ISBN: 978-3-85125-018-3).
53. **Franzese P.P.**, T. Rydberg, G.F. Russo, S. Ulgiati, 2008. ENERGY ANALYSIS AND EMERGY SYNTHESIS OF SELECTED HUMAN-DOMINATED ECOSYSTEMS. A COMPARATIVE VIEW. 5th Biennial Workshop Advances in Energy Studies: "Perspectives on Energy Future". Portovenere, Italy, 12-16 September 2006. In press.
54. **Franzese P.P.**, G.F. Russo, S. Ulgiati, 2007. INTEGRATING GEOGRAPHICAL INFORMATION SYSTEMS AND EMERGY SYNTHESIS: THE CASE OF URBAN WASTE MANAGEMENT IN POTENZA, SOUTHERN ITALY. In: Brown M.T., Campbell D., Comar V., Haung S.L., Rydberg T., Tilley D., Ulgiati S. (Eds.), EMERGY SYNTHESIS 4. Theory and Applications of the Emergy Methodology. Center for

Environmental Policy, University of Florida, Gainesville, USA, pp. 36.1 – 36.10 (ISBN: 0-9707325-3-8).

55. **Franzese P.P.**, G.F. Russo, S. Ulgiati, 2005. GEOGRAPHICAL INFORMATION SYSTEMS AND EMERGY ANALYSIS METHODS TO EVALUATE RESOURCE AND ENERGY FLOWS IN WASTE MANAGEMENT SYSTEMS. Proceedings of the VII Polish Conference on Energy and Ecology, 19 - 21 October 2005, Torun, Poland, pp. 353-367 (ISBN: 83-231-1902-3).
56. **Franzese P.P.**, S. Dumontet., A. Scopa, and S. Ulgiati, 2005. COMBINED USE OF EMERGY SYNTHESIS AND GIS FOR ENVIRONMENTAL SUSTAINABILITY ASSESSMENT: THE CASE OF THE ROCCAMONFINA NATURAL PARK, ITALY. In: Brown M.T., Campbell D., Comar V., Haung S.L., Rydberg T., Tilley D., Ulgiati S. (Eds.), EMERGY SYNTHESIS 3. Theory and Applications of the Emergy Methodology. Center for Environmental Policy, University of Florida, Gainesville, USA, pp. 311-327 (ISBN: 0-9707325-2-X).
57. **Franzese P.P.**, C. Lagerberg Fogelberg, S. Dumontet., A. Scopa, 2004. EMERGY ANALYSIS OF POTENZA LANDFILL: AN INTEGRATED ECONOMIC-ECOLOGICAL ASSESSMENT. In: Dumontet S., Landi E., Pastoni F. (Eds.), Professione Biologo: aspetti attuali e prospettive future. Proceedings of the XVII International Conference of the Association of Italian biologists, Portorose, Slovenia, vol. 2: 99-103.

REVIEWED NATIONAL JOURNALS:

58. **Franzese P.P.**, Russo, G.F., 2015. CONTABILITÀ AMBIENTALE E VALUTAZIONE^{L_{SEP}} DEI SERVIZI ECOSISTEMICI: ^{L_{SEP}}STRUMENTI PER LA PIANIFICAZIONE DEL TERRITORIO MARINO. Biol. Mar. Mediterr., 22 (1): 25-28.
59. D'Angelo, S., S. Aricò, **P.P. Franzese**, 2010. LA RETE MONDIALE DELLE RISERVE DELLA BIOSFERA DELL'UNESCO ED IL VALORE DEL CAPITALE NATURALE E DEI SERVIZI ECOSISTEMICI. Biologi Italiani, 9: 41-46 (ISSN: 0392-2510).
60. Häyhä, T., **P.P. Franzese**, 2010. ENVIRONMENTAL AND ECONOMIC COSTS OF ENERGY PRODUCTION IN FINLAND. Biologi Italiani, 8: 36-44 (ISSN: 0392-2510).
61. **Franzese P.P.**, E. Buonocore, S. Mellino, S. Ulgiati, 2009. LA CONTABILITA' BIOFISICA PER LA VALUTAZIONE DELLA SOSTENIBILITA' AMBIENTALE DEI COMUNI ITALIANI. Biologi Italiani, 7: 64-74 (ISSN: 0392-2510).
62. **Franzese P.P.**, G.F. Russo, S. Ulgiati, 2006. RICHIESTE DI ENERGIA IN AGRICOLTURA: VALUTAZIONE COMPARATA ENERGETICA ED EMERGETICA. Biologi Italiani, 3: 49-55 (ISSN: 0392-2510).
63. **Franzese P.P.**, V. Comar, G.F. Russo, S. Ulgiati, 2005. ANALISI DEI SISTEMI ECOLOGICI: APPROCCIO MODELLISTICO - ECODINAMICO. Biologi Italiani, 6: 41-48 (ISSN: 0392-2510).

64. **Franzese P.P.**, R. Melchiorre, A. Scopa, 2005. EROSIONE DEL SUOLO: L'APPLICAZIONE DEL MODELLO USLE AL TERRITORIO DELLA REGIONE BASILICATA. *Biologi Italiani*, 5: 61-65 (ISSN: 0392-2510).
65. Russo G.F., M. Ascione, **P.P. Franzese**, 2004. ANALISI EMERGETICA DELLA RISERVA MARINA DI PUNTA CAMPANELLA: VALUTAZIONE ECOLOGICO-ECONOMICA DEL COMPARTO PESCA. *Biologi Italiani*, 11: 63-70 (ISSN: 0392-2510).
66. Alfieri S.M., M. Lamberti, **P.P. Franzese**, F. Giordano, 2004. UN MODELLO MATEMATICO PER LA SIMULAZIONE DEL PROCESSO DI PRODUZIONE DEL PERCOLATO IN DISCARICA CONTROLLATA. *Biologi Italiani*, 10: 74 -80 (ISSN: 0392-2510).
67. Zucaro A., **P.P. Franzese**, A. Scopa, A. Riccio, 2004. ANALISI EMERGETICA DELLA PROVINCIA DI POTENZA: UNA VALUTAZIONE INTEGRATA ECONOMICA-ECOLOGICA. *Biologi Italiani*, 9: 53-58 (ISSN: 0392-2510).
68. **Franzese P.P.**, A. Scopa, A. Riccio, G. Barone, 2003. STUDIO DI SISTEMI COMPLESSI: LA PROSPETTIVA ECODINAMICA IN CHIMICA-FISICA AMBIENTALE. *Biologi Italiani*, 11: 39-45 (ISSN: 0392-2510).
69. **Franzese P.P.**, A. Riccio, A. Scopa, 2003. ANALISI EMERGETICA IN AMBIENTE GIS PER LA VALUTAZIONE DELLA SOSTENIBILITÀ AMBIENTALE: IL CASO STUDIO DEL COMUNE DI ROCCAMONFINA. *Biologi Italiani*, 8: 61-66 (ISSN: 0392-2510).
70. **Franzese P.P.**, A. Riccio, A. Scopa, 2003. VALUTAZIONE DELLA SOSTENIBILITÀ AMBIENTALE: VERSO UN APPROCCIO ECODINAMICO. *Biologi Italiani*, 7: 58-60 (ISSN: 0392-2510).
71. Melchiorre R., A. Riccio, A. Scopa, **P.P. Franzese**, 2002. LA SIMULAZIONE DELL'IMPATTO DELL'INQUINAMENTO ATMOSFERICO NELL'AREA DEL BACINO DEL MEDITERRANEO. *Biologi Italiani*, 2: 39-43 (ISSN: 0392-2510).

FUNDED PROJECT REPORTS:

72. **Franzese Pier Paolo**, Otavio Cavalett, Tiina Häyhä, Salvatore D'Angelo, 2011. INTEGRATED ENVIRONMENTAL ASSESSMENT OF AGRICULTURAL AND FARMING PRODUCTION SYSTEMS IN THE TOLEDO RIVER BASIN (BRAZIL). UNESCO Water Programme for Environmental Sustainability, Final report, UNESCO Water Division, Paris, France, 72 pp..
73. Elvira Buonocore, Sandra Fahd, **Pier Paolo Franzese**, Salvatore Mellino, Sergio Ulgiati, Silvio Viglia, Amalia Zucaro. Coauthors: Mario Giampietro, Alevgul Sorman and Tarik Serrano, Jarmo Vehmas, Francesca Allievi, Juha Panula-Ontto, 2010. TOOLKIT-BASED EVALUATION OF GLOBAL CONSTRAINTS AND SCENARIOS OF PROPOSED STRATEGIES. Synergies in Multi-scale Inter-Linkages of Eco-social systems (SMILE) EU-7FP, Deliverable 21, WP4.

74. Elvira Buonocore, **Pier Paolo Franzese**, Salvatore Mellino, Sergio Ulgiati, Silvio Viglia and Amalia Zucaro, 2009. SUMMA-BASED EVALUATION OF STRATEGIES FOR (A) INCREASED ENERGY EFFICIENCY; (B) INCREASED SHARE OF RENEWABLES (MAINLY SOLAR AND BIOMASS); (C) INCREASED INTEGRATION OF PRODUCTION ACTIVITIES FOR INDIRECT ENERGY ADVANTAGE AND DECREASED WASTE. Synergies in Multi-scale Inter-Linkages of Eco-social systems (SMILE) EU-7FP, Deliverable 18, WP4.
75. Elvira Buonocore, **Pier Paolo Franzese**, Salvatore Mellino, Sergio Ulgiati, Silvio Viglia, Amalia Zucaro. Co-Authors: Mario Giampietro, Alevgul Sorman, Tarik Serrano, Jarmo Vehmas, Francesca Allievi, Juha Panula-Ontto, Jukka Hoffrén, Elina Kekkonen, Inka Lemmetyinen, 2009. ENVIRONMENTAL EVALUATION OF PRESENT DYNAMICS OF INVESTIGATED CASE STUDIES, THROUGH MATERIAL FLOW ACCOUNTING, ECOLOGICAL FOOTPRINT, EMERGY SYNTHESIS. Synergies in Multi-scale Inter-Linkages of Eco-social systems (SMILE) EU-7FP, Deliverable 15, WP4.
76. Elvira Buonocore, **Pier Paolo Franzese**, Salvatore Mellino, Sergio Ulgiati, Silvio Viglia, Amalia Zucaro. Co-Authors: Mario Giampietro, Alevgul Sorman, Tarik Serrano, Jarmo Vehmas, Francesca Allievi, Juha Panula-Ontto, 2009. ENERGY AND LCA EVALUATION OF THE PRESENT DYNAMICS OF INVESTIGATED CASE STUDIES. Synergies in Multi-scale Inter-Linkages of Eco-social systems (SMILE) EU-7FP, Deliverable 14, WP4.
77. Sergio Ulgiati, Amalia Zucaro, **Pier Paolo Franzese**, Silvio Viglia, Jarmo Vehmas, Jyrki Luukkanen, Francesca Allievi, Mario Giampietro, Gonzalo Gamboa, Agustin Lobo, Alevgul Sorman, Talia Waldron, Jukka Hoffren, 2009. APPLICABILITY OF THE INTEGRATED TOOLKIT. Synergies in Multi-scale Inter-Linkages of Eco-social systems (SMILE) EU-7FP, Deliverable 13, WP 4.
78. **Pier Paolo Franzese**, Sergio Ulgiati, Silvio Viglia, Amalia Zucaro. Co-Authors: Mario Giampietro, Alevgul Sorman, Tarik Serrano, Jarmo Vehmas, Francesca Allievi, Juha Panula-Ontto 2009. THE ITALIAN AGRICULTURE CASE STUDY: ANALYSIS OF LOCAL SCALE (FARM LEVEL), REGIONAL SCALE (CAMPANIA REGION) AND NATIONAL SCALE (ITALY) AGRICULTURAL AND AGRO-INDUSTRIAL SECTORS. Synergies in Multi-scale Inter-Linkages of Eco-social systems (SMILE) EU-7FP, Deliverable 12, WP3.
79. Jarmo Vehmas, Francesca Allievi, Juha Panula-Pontto, Jukka Hoffrén, Inka Lemmetyinen; Co-Authors: **Pier Paolo Franzese**, Sergio Ulgiati, Silvio Viglia, Amalia Zucaro, Mario Giampietro, Alevgul Sorman, 2009. THE FINNISH CASE STUDY: ANALYSIS AT THE SECTORAL LEVEL (FOREST INDUSTRY) OF A DEVELOPED ECONOMY. Synergies in Multi-scale Inter-Linkages of Eco-social systems (SMILE) EU-7FP, Deliverable 11, WP3.
80. **Pier Paolo Franzese**, Sergio Ulgiati, Silvio Viglia, Amalia Zucaro, 2009. REPORT OF THE LAOS CASE STUDY. Synergies in Multi-scale Inter-Linkages of Eco-social systems (SMILE) EU-7FP, Deliverable 10, WP 3, Document B: Application of SUMMA to Lao Agricultural system.

81. Tarik Serrano, Mario Giampietro, **Pier Paolo Franzese**, Sergio Ulgiati, Silvio Viglia, Amalia Zucaro. 2009. REPORT OF THE LAOS CASE STUDY. Synergies in Multi-scale Inter-Linkages of Eco-social systems (SMILE) EU-7FP, Deliverable 10, WP 3.
82. **Pier Paolo Franzese**, Sergio Ulgiati, Silvio Viglia, Amalia Zucaro, 2009. REPORT OF THE CATALONIA CASE STUDY. Synergies in Multi-scale Inter-Linkages of Eco-social systems (SMILE) EU-7FP, Deliverable 8, WP 3, Document E: Application of SUMMA to Catalonia system.
83. Mario Giampietro, **Pier Paolo Franzese**, Sergio Ulgiati, Silvio Viglia, Amalia Zucaro. REPORT OF THE CATALONIA CASE STUDY. Synergies in Multi-scale Inter-Linkages of Eco-social systems (SMILE) EU-7FP, Deliverable 8, WP 3.
84. Jukka Hoffrén, Inka Lemmetyinen, Elina Kekkonen, CoAuthors: Jarmo Vehmas, Francesca Allievi, **Pier Paolo Franzese**, Sergio Ulgiati, Silvio Viglia, Amalia Zucaro, Mario Giampietro, Alevgul Sorman, 2009. REPORT ON CASE STUDY OF THE METHOD AND TOOL APPLICATION. Development and Comparison of Sustainability Indicators (DECOIN) EU-6FP, Deliverable D5.3 of WP 5.
85. Jarmo Vehmas, Jyrki Luukkanen, Mia Pihlajamäki, Sergio Ulgiati, Amalia Zucaro, **Pier Paolo Franzese**, Marco Rauegi, Mario Giampietro, Gonzalo Gamboa, Agustin Lobo, Alevgul Sorman, Talia Waldron, 2008. DEMONSTATION - EXAMPLE FOR EACH OF THE DECOIN TOOLS. Synergies in Multi-scale Inter-Linkages of Eco-social systems (SMILE) EU-7FP, Deliverable 4, WP 2.
86. Sergio Ulgiati, Amalia Zucaro, Silvia Bargigli, **Pier Paolo Franzese**, Marco Rauegi, Jarmo Vehmas, Jyrki Luukkanen, Mia Pihlajamäki, Mario Giampietro, Gonzalo Gamboa, Agustin Lobo, Alevgul Sorman, Talia Waldron, 2008. USER AND CLIENT DOCUMENTATION FOR THE DECOIN TOOLS. Synergies in Multi-scale Inter-Linkages of Eco-social systems (SMILE) EU-7FP, Deliverable 3, WP 2.
87. Jarmo Vehmas, Jyrki Luukkanen, Mia Pihlajamäki, Francesca Allievi, Mario Giampietro, Gonzalo Gamboa, Alevgul Sorman, Tarik Serrano, Sergio Ulgiati, Amalia Zucaro, **Pier Paolo Franzese**, Jukka Hoffrén, Maria Giaoutzi, Christos Dionelis, Peter Nijkamp, 2008. Report of the synergies and trade-offs of selected trends. DEVELOPMENT AND COMPARISON OF SUSTAINABILITY INDICATORS (DECOIN) EU-6FP, Deliverable D3.3 of WP3.

BOOK ENDORSEMENT REVIEWS:

88. ECO-CITIES. A PLANNING GUIDE. Edited by Zhifeng Yang. CRC Taylor & Francis Group.

Naples, Italy, July, 2020

Pier Paolo Franzese

