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WORKING EXPERIENCE:

- January 2023 – now: **Postdoc** at the Department of Strategy and Innovation at Copenhagen Business School, Denmark.

- Postdoctoral research focusing on the digital transformation of shipping.
- Lecturer/supervisor at the postgraduate courses
 - *Strategy and Digitalisation in International Shipping (Autumn, 2023)*,
- Supervision of Master Degree Projects.

- August 2019 – December 2023: **Research Associate** at World Maritime University (WMU), Malmoe, Sweden.

- June 2021 – now: **Project Officer** of the 'CHEK' (deCarbonising sHipping by Enabling Key technology symbiosis on real vessel concept designs) Horizon 2020 project.
 - Leading Working Package 10 of the project related to dissemination, exploitation and communication activities.
- June 2021 – now: 'CAHEMA' (Concepts of Ammonia/Hydrogen Engines for Marine Application) project of the Nordic Energy Research Initiative.
- August 2020 – now: **Project Officer** of the 'EU Emission Trading System - impacts of including maritime transports' project of the Swedish Transport Administration.
 - Leading Working Package 3 of the project related to the economic impact assessment from the inclusion of shipping in the EU ETS.
- December 2020 – March 2021: IMO consultancy on 'Support to the comprehensive impact assessment of the short-term carbon intensity reduction measure'.
- February – May 2020: GEMINI project of the Government of Canada focusing on the initiatives adopted by the Canadian Port Authorities for the abatement of GHG emissions.
- May – June 2020: PROVINCE project of the Government of Canada related to the environmental initiatives adopted by the Port of Alexandria and comparing them to the initiatives adopted by Canadian ports.
- June – July 2020: 'Search and rescue in the High North Region' related to the challenges associated to shipping and tourist operations in the Arctic region.
- Lecturer at the postgraduate courses
 - *WMU 149 Research methodology course (Spring 2020 - now)*

- *EGY 108 Energy Management in Maritime Onshore Facilities – Maritime Energy Management (MEM) specialisation (Spring 2020 - now)*
 - Lecturer at the Summer Institute of WMU 'Maritime Decarbonisation', 22-26 August, 2022.
 - Panel Advisory Committee (PAC) for Phd Dissertation 'Social and Economic impacts of the Maritime GHG Emission control strategies on the sustainable development of the State with particular emphasis on Small Island Developing States (SIDS)' (2022 - now)
 - Supervision and assessment of Master Thesis (2020 - now)
 - Thelma G. Seward 'THE IMPACT OF CLIMATE CHANGE: On Maritime Search And Rescue (SAR) In The Canadian Arctic' (2022) – MSEA
 - Alper Sasmaz 'Blue Premium as a Driver for the EU Shipping Industry's Transition to the Cleaner Alternative Fuels by Establishing an Innovative and Inclusive Fund Mechanism' (2022) – MEM
 - J Senthil Kumar 'Fuel Selection by Shipping Industry due to Multifarious Regulatory Framework for Achieving Zero Carbon and Greenhouse Gas Emissions by 2050' (2022) - MSEA
 - Christopher Nii Aflah Armah JNR 'The Impact Assessment of Short-term Measure on Ghana's Maritime Trade' (2021) - MEM
 - Sammy Kalepo 'Challenges/Issues of Implementing MARPOL ANNEX VI in Papua New Guinea' (2021) – MEM
 - Sudhir Kumar Shrivastava 'Fuel Oil Bunkering Mechanism and Ways Ahead in Strategic Enforcement' (2021) – MSEA
- March 2022 – now: **External Expert** at European Maritime Safety Agency (EMSA) in the area of GHG emissions.
- April 2017 – May 2020: **Postdoctoral Researcher** at the Department of Business Administration at the School of Business, Economics & Law of the University of Gothenburg, Sweden.
- Postdoctoral research focusing on a) the internalization of the external cost of maritime air emissions and the achievement of sustainable maritime development and b) the integration of shipping in intermodal transport systems and the development of sustainable maritime supply chains.
 - Affiliation to the Logistics and Transport Research Group (LTRG) of the University of Gothenburg.
 - Lecturer/supervisor at the postgraduate courses
 - *Shipping Production Systems and Logistics Management (Spring 2017, 2018, 2019, 2020),*
 - *The Shipping Industry – Maritime Policy, Freight Markets and Company Behaviour (Autumn 2017)*
 - *Integrated Logistics (Autumn 2018, 2019) and*
 - *Bluegreen economy and sustainable use of marine resources (Interdisciplinary Master Course) at the School of Business, Economics & Law, University of Gothenburg, Sweden (Autumn 2018, 2019).*
 - Supervision of Master Degree Projects:
 - Kiriakis Koustoumpardis (2019) 'Decarbonisation of maritime transport' – Grade: High Pass (first supervisor)
 - Henrik Kappelin (2018) 'Analysis of forest industry exports with RoRo ships - Port of Gothenburg' – Grade: High Pass (first supervisor)
 - Assessment of Master Degree Projects:

- Gunnar Löfstedt (2018) 'Moving forward in India: An Analysis of IKEA's Indian Distribution Network Development'
- Minda Langmoen and Louise Thörn (2019) 'The Recycling Barge: A research investigating recycling behaviours in Älvstaden'.

- July 2008 - May 2014: **Phd Researcher** at the Department of Maritime Studies at the University of Piraeus, Greece.

- Doctoral thesis research conducted with Professor Constantinos Giziakis. "External cost of greenhouse gas emissions from shipping: assessment and evaluation of various instruments for the internalization of this cost".
- Active participation in the projects and research activities of the Laboratory of Maritime Economics, Management & Marine Accidents, Department of Maritime Studies, University of Piraeus, Greece:
 - *Cost – benefit analysis of the project “Installation of MONORAIL at the central Port of Piraeus”*, May 2011.
 - *Investigation of the causes for which ship owners do not use the shipbuilding zone of Perama (wider area of Piraeus) and suggestions for a recovery plan*, July 2010.
- Teaching assistant at both undergraduate and postgraduate level on externalities from shipping at the Department of Maritime Studies, University of Piraeus, Greece.
- Seminars at postgraduate level on maritime energy related policies, especially IMO regulations on greenhouse gas emissions from shipping, Department of Maritime Studies, University of Piraeus, Greece.

- February 2006 – March 2016: **Administrator Officer** at the Department of Education of the Decentralized Administration Authority of the Aegean Sea, Greece.

- Responsibilities: Identification of the educational needs of the employees of the specific public service and organization of respective training programs in cooperation with the National Center for Public Administration and Local Government.
- Educational leave, September 2008 - September 2012
- Maternity leave, November 2012 - April 2014 and August 2014 up to March 2016

EDUCATION:

University of Piraeus, Piraeus, Greece

Phd, Maritime Studies, May 2014

Dissertation: "External cost of greenhouse gas emissions from shipping: assessment and evaluation of various instruments for the internalization of this cost".

Advisor: Constantinos Giziakis, Professor of Maritime economics and Marine accidents.

Master of Science, Maritime Studies, March 2006, University of Piraeus, Greece

Thesis: "Emissions Trading: effective for the abatement of GHG emissions from shipping?"

Bachelor of Science, Maritime Studies, February 2004, University of Piraeus, Greece

AWARDS & HONORS:

- Invited Speaker, International Transport Forum Webinar on *Decarbonising Short Sea Shipping*, OECD, 17th of June 2022. Presentation on 'Decarbonising short sea shipping: identified good practices and measures'.
- Expert Panel, 'Impact Assessment Support Study Concerning the Possible Revision of Regulation (EC) 1406/2002 Establishing a European Maritime Safety Agency' of the European Commission (DG MOVE) in collaboration with Ramboll Management Consulting BE, 2021-2022

- Topical Advisory Panel, *Sustainability Journal* (since 2021)
- Topical editor, *Sustainability Journal*, Sustainable Transportation Sections (2020-2021)
- Research project proposals peer-reviewer for the provision of grants from the Ministry of Foreign Affairs of Denmark (MFA) as part of Denmark's international development cooperation (Danida Fellowship Centre), 2021
- Guest editor with Prof. Johan Woxenius, *Sustainability Journal*, special issue on 'Sustainable Short Sea Shipping', 2019
- Lighthouse Swedish Maritime Competence Center Fellowship for postdoctoral research, 2017-2020
- State Scholarship Foundation of Greece (I.K.Y.) Fellowship for Phd dissertation research, 2008-2011
- Conference chair, Sustainability session, WCTRS SIGA2 Maritime and Ports 2021 Conference, 5-7 May, Antwerp, Belgium.
- Conference chair, WCTRS SIGA2 Maritime and Ports 2022 Summer Seminar, 27 July, online.
- Member of the Scientific Committee. Data and sustainable navigation conference, 25-26 May, Le Havre, France.
- Invited speaker, International Maritime Transport and Logistics Conference "Marlog 10", 13-15 June, Alexandria, Egypt.
- Invited Speaker, International Maritime Transport and Logistics Conference "Marlog 11", 20-22 March, Alexandria, Egypt.
- Invited Speaker, International Maritime Transport and Logistics Conference "Marlog 12", 12-14 March, Alexandria, Egypt.
- Article peer-reviewer:
 - *Transportation Research Part D: Transport and Environment*
 - *Transportation Research Part E: Logistics and Transportation Review*
 - *Marine Policy*
 - *Research in Transportation Business & Management*
 - *Case Studies on Transport Policy*
 - *Maritime Business Review*
 - *Sustainability*
 - *Journal of Shipping and Trade*
 - *Energies*
 - *Applied Sciences*
 - *Logistics*
 - *Marine Science & Engineering*
 - *Transactions on Maritime Science*
 - *Maritime Technology & Research*
 - *World Conference of Transport Research Society (WCTRS)*
 - *International Association of Maritime Economists (IAME)*.

PUBLICATIONS

JOURNAL PUBLICATIONS

- Christodoulou, A., Gonzalez-Aregall, M., Linde, T., Vierth, I. and Cullinane, K. (2019) Targeting the reduction of shipping emissions to air: A global review and taxonomy of policies, incentives and measures. *Maritime Business Review* 4(1), pp. 16-30. <https://doi.org/10.1108/MABR-08-2018-0030>
- Christodoulou, A. and Cullinane, K. (2023) The Prospects for, and implications of, Emissions Trading in Shipping. *Maritime Economic & Logistics*.

- Christodoulou, A. and Cullinane, K. (2022) Potential alternative fuel pathways for compliance with the 'FuelEU Maritime Directive'. *Transportation Research Part D: Transport and Environment* 112, 103492. <https://doi.org/10.1016/j.trd.2022.103492>
- Christodoulou, A., Raza, Z. and Woxenius, J. (2019) The integration of RoRo shipping in sustainable intermodal transport chains: the case of a North European RoRo service. *Sustainability* 11(8), 2422. <https://doi.org/10.3390/su11082422>
- Christodoulou, A. and Cullinane, K. (2020) Potential of, and drivers for, private voluntary initiatives for the decarbonisation of short sea shipping: evidence from a Swedish ferry line. *Maritime Economics & Logistics*. <https://doi.10.1057/s41278-020-00160-9>
- Christodoulou, A. and Cullinane, K. (2019) Identifying the Main Opportunities and Challenges from the Implementation of a Port Energy Management System: a SWOT/PESTLE Analysis. *Sustainability* 11(21), 6046. <https://doi.org/10.3390/su11216046>
- Giziakis, C. and Christodoulou, A. (2012) Environmental awareness and practice concerning maritime air emissions: the case of the Greek shipping industry. *Maritime Policy and Management* 39(3), pp. 353-368. <https://doi.org/10.1080/03088839.2012.671543>
- Konstantinus, A., Zuidgeest, M., Christodoulou, A., Raza, Z. and Woxenius, J. (2019) Barriers and Enablers for Short Sea Shipping in the Southern African Development Community. *Sustainability* 11(6), 1532. <https://doi.org/10.3390/su11061532>
- Christodoulou, A. and Kappelin, H. (2020) Determinant factors for the development of maritime supply chains: the case of the Swedish forest industry. *Case Studies on Transport Policy* 8(3), pp. 711-720. <https://doi.org/10.1016/j.cstp.2020.07.008>
- Christodoulou, A., Dalaklis, D., Ölcer, A. and Ballini, F. (2021) Can market-based measures stimulate investments in green technologies? A review of proposed market-based measures. *Transactions on Maritime Science* 10(1). <https://doi.org/10.7225/toms.v10.n01.017>
- Christodoulou, A. and Woxenius, J. (2019) Sustainable Short Sea Shipping (editorial). *Sustainability* 11(10), 2847. <https://doi.org/10.3390/su11102847>
- Christodoulou, A., Dalaklis, D., Ölcer, A. and Masodzadeh, P.G. (2021) Inclusion of Shipping in the EU-ETS: Assessing the Direct Costs for the Maritime Sector Using the MRV Data. *Energies* 14(13), 3915. <https://doi.org/10.3390/en14133915>
- Masodzadeh, P.G., Ölcer, A., Ballini, F. and Christodoulou, A. (2022) How to Bridge the Short-term Measures to the Market Based Measure? Proposal of a New Hybrid MBM Based on a New Standard in Ship Operation. *Transport Policy* 118 (2022), pp. 123-142. <https://doi.org/10.1016/j.tranpol.2022.01.019>
- Christodoulou, A., Dalaklis, D., Raneri, P. and Sheehan, R. (2022) An Overview of the Legal Search and Rescue Framework and Infrastructure along the Northern Sea Route. *Marine Policy* 138 (2022), 104985. <https://doi.org/10.1016/j.marpol.2022.104985>
- Sheehan, R., Dalaklis, D., Christodoulou, A., Drewniak, K., Raneri, P. and Dalaklis, A. (2021) The Northwest Passage in the Arctic: A Brief Assessment of the Relevant Marine Transportation System and Current Availability of Search and Rescue Services. *Logistics* 5(23). <https://doi.org/10.3390/logistics5020023>
- Masodzadeh, P.G., Ölcer, A., Ballini, F. and Christodoulou, A. (2022) A review on barriers to and solutions for shipping decarbonization based on a barrier template inspired by other industrial sectors. *Marine Pollution Bulletin* 184, 114008. <https://doi.org/10.1016/j.marpolbul.2022.114008>
- Vakili, S., Ballini, F., Schönborn, A., Christodoulou, A., Dalaklis, D. and Ölcer, A. (2023) Assessment of the Potential Economic and Societal Impacts of Slow Steaming to Meet the IMO's Initial Greenhouse Gas Strategy Goals. *Journal of Shipping & Trade* 8(2). <https://doi.org/10.1186/s41072-023-00131-2>

- Zetterberg, L., Christodoulou, A., Floden, J., Fridell, E., Hansson, J., Parsmo, R., Rootzen, J. and Woxenius, J. (2023) Impacts of including shipping in the EU ETS. *Climate Policy* (under review).
- Dalaklis, D., Drewniak, M., Christodoulou, A., Sheehan, R. and Dalaklis, A. (2022) Future Arctic Regulatory Interventions: Discussing the Impact of Banning the Use of Heavy Fuel Oil. *Polar Geography* (under review).
- Drewniak, M., Dalaklis, D., Christodoulou, A. and Sheehan, R. (2021) Ice-Breaking Fleets of the United States and Canada: Assessing the Current State of Affairs and Future Plans. *Sustainability* 13(2), 703. <https://doi.org/10.3390/su13020703>
- Dalaklis, D., Christodoulou, A., Ölçer, A., Ballini, F., Dalaklis, A. and Lagdami, K. (2022) The Port of Gothenburg Under the Influence of the Fourth Stage of the Industrial Revolution: Implementing a Wide Portfolio of Digital Tools to Optimize the Conduct of Operations. *Maritime Technology and Research* 4(3), 253844. <https://doi.org/10.33175/mtr.2022.253844>
- Ichimura, Y., Dalaklis, D., Kitada, M. and Christodoulou, A. (2022) Shipping in the era of digitalization: Mapping the future strategic plans of major maritime commercial actors. *Digital Business* 2(1), 100022. <https://doi.org/10.1016/j.digbus.2022.100022>
- Goulielmos, A., Giziakis, C. and Christodoulou, A. (2011) A future regulatory framework for CO2 emissions of shipping in the Mediterranean Area. *International Journal of Euro-Mediterranean Studies* 4(1), pp. 39-60.
- Giziakis, C., Goulielmos, A. and Christodoulou, A. (2014) A Comparison of the "Global Levy Scheme" with the "Emissions Trading Scheme" to reduce greenhouse gas shipping emissions. *Journal of Environmental Science & Engineering*, B3.
- Dalaklis, D., Christodoulou, A., Nilsson, H., Larsson, J. and Pazaver, A. (2020) Enhancing oil spill response capacities in the South Baltic Sea region via cross-border utilization of biodegradable oil binders. *Maritime Technology and Research* 2(3), 174-186. <https://doi.org/10.33175/mtr.2020.238164>

BOOK CHAPTERS

- Christodoulou, A. and Echebarria Fernández, J. (2021) '*Maritime Governance and International Maritime Organization (IMO) instruments focused on sustainability in the light of United Nations' Sustainable Development Goals (SDGs)*'. Sustainability in the Maritime Domain, edited by Carpenter, A., Johansson, T. and Skinner, J. Springer. ISBN 978-3-030-69325-1
- Christodoulou, A. and Woxenius, J. (2020) '*Short-distance maritime geographies – short-sea shipping, RoRo, feeder and inter-island transport*'. Geographies of Maritime Transport, edited by Wilmsmeier, G. and Monios, J. Edward Elgar. ISBN: 978-1788976633
- Christodoulou, A. and Woxenius, J. (2019) '*Efficient integration of shipping into intra-regional supply chains*'. Supply Chains in Action - A Case Study Collection in Supply Chain, Logistics, Procurement & Operations Management, edited by Richard Wilding. Kogan Page (1st edition). ISBN: 978-0749483708
- Christodoulou, A., Pastra, A., Johansson, T. and Doelle, M. (2021) '*Four Spheres of Influence: The Critical Role of Ports in Global Decarbonization Efforts*'. Ocean Yearbook, edited by Chircop, A., Coffen-Smout, S. and McConnell, M. Brill Academic Publishers. ISSN: 0191-8575.
- Christodoulou, A. (2019) '*Maritime environmental performance indices: useful tools for the evaluation of the transport supplier environmental performance?*'. WIT Transactions on The Built Environment, Volume 187, WIT Press. ISSN: 1743-3509

- Progolakis, I., Nikitakos, N., Dalaklis, D., Christodoulou, A., Dalaklis, A. and Yaacob, R. (2023) '*Digitalization and Cyber Physical Security Aspects in Maritime Transportation and Port Infrastructure*'. Smart Ports and Robotic Systems, Studies in National Governance and Emerging Technologies, edited by Johansson, T., Dalaklis, D., Echebarria Fernández, J., Pastra, A. and Lennan, M. Springer. https://doi.org/10.1007/978-3-031-25296-9_12
- Dalaklis, D., Besikci, E.B., Larsson, J., Christodoulou, A., Johansson, T.M., Pålsson, J., Nilsson, H., Saathoff, F., Siewert, M., Juszkiewicz, W., Gucma, L., Łazuga, K., Kasprowicz, M. and Peach, D. (2019) '*South Baltic Oil Spill Response Through Clean-up with Biogenic Oil Binders Project: The SBOIL Handbook*', edited by Maritime University of Szczecin. Maritime University of Szczecin Press (1st edition). ISBN: 978-83-64434-31-0

CONFERENCE PAPERS

- Christodoulou, A., Dong, T., Schönborn, A., Ölcer, A. and Dalaklis, D. (2023) A cost-benefit analysis of the use of ammonia and hydrogen as marine fuels. The International Maritime Transport and Logistics Conference "Marlog12", 12-14 March, Alexandria, Egypt. ISBN: 978-977-85808-6-0
- Christodoulou, A., Dalaklis, D., Ölcer, A. and Masodzadeh, P.G. (2022) Decarbonising short sea shipping operations: examining the efforts and outcomes of a Finnish shipping line's relevant initiatives. The International Maritime Transport and Logistics Conference "Marlog11", 20-22 March, Alexandria, Egypt. ISBN: 987-977-85808-5-3
- Christodoulou, A. (2022) Ports as critical actors for the decarbonisation of maritime transport and the achievement of the Paris Agreement goals. IV TRAMEREN's International Conference on Enhancing Climate Action beyond the State, 1-2 June, Copenhagen, Denmark.
- Christodoulou, A., Dalaklis, D., Ölcer, A. and Masodzadeh, P.G. (2022) Analysis of the MRV database and the evolution of the EU carbon price over the years: how do external factors affect the inclusion of shipping in the EU ETS? Annual IAME (International Association of Maritime Economists) Conference, 14-16 September, Busan, Korea.
- Christodoulou, A., Dalaklis, D., Ölcer, A. and Masodzadeh, P.G. (2021) Inclusion of shipping in the EU-ETS: assessing the direct economic impact for the maritime sector using the MRV data. WCTRS Siga2 Maritime and Ports 2021 Conference, 5-7 May, Antwerp, Belgium.
- Christodoulou, A., Gonzalez-Aregall, M. and Cullinane, K.P.B. (2019) *An analysis of measures employed to promote the environmental profile of shipping*. Keynote speech, International Conference of Maritime Science & Technology, NAŠE MORE 2019, 17-18 October, Dubrovnik, Croatia.
- Christodoulou, A., Dalaklis, D., Ölcer, A. and Masodzadeh, P.G. (2021) *An analysis and interpretation of the MRV database: useful outcomes in relation to the energy efficiency of vessels operating in the European Economic Area*. Presentation at the Annual IAME (International Association of Maritime Economists) Conference, 25-27 November, Rotterdam, Netherlands.
- Christodoulou, A., Dalaklis, D., Ölcer, A. and Ballini, F. (2020) *Can market-based measures stimulate investments in green technologies? A review of proposed market-based measures*. DEVPORT 2020: Ports, Transport Maritime et Développement Regional: Globalisation, jeux d'échelles et environnements, 15-16 October, Le Havre, France.

- Christodoulou, A. (2019) *Sustainable procurement and environmental performance indices for maritime services*. Proceedings of the 28th Eurasia Business and Economics Society (EBES) Conference, 29-31 May, Coventry, UK.
- Dalaklis, D., Christodoulou, A., Sheehan, R., Drewniak, M. and Dalaklis, A. (2021) *Discussing Maritime Traffic Patterns and the Impact of a Potential Regulatory Initiative to Ban the Use of Heavy Fuel Oil in the Arctic*. Proceedings of the Annual IAME (International Association of Maritime Economists) Conference, 25-27 November, Rotterdam, Netherlands.
- Christodoulou, A., Raza, Z. and Woxenius, J. (2018) *The presence of RoRo shipping in sustainable intermodal transport chains: the case of a Swedish RoRo line*. Proceedings of the Annual IAME (International Association of Maritime Economists) Conference, 11-14 September, Mombasa, Kenya.
- Dalaklis, D., Christodoulou, A. and Kitada, M. (2020) *Oil Spill Response Training in the South Baltic Sea Region*. Proceedings of the 14th Annual International Technology, Education and Development (INTED) Conference, 2-4 March, Valencia, Spain.
- Vierth, I., Cullinane, K., Christodoulou, A., Gonzalez-Aregall, M., Gustafsson, C. and Takman, J. (2018) *Modal Shift for an Environmental Lift – Mapping of policy instruments*. Paper presented at the Swedish National Transport Conference, 15-16 October, Gothenburg, Sweden.
- Christodoulou, A., Gonzalez-Aregall, M., Linde, T., Vierth, I. and Cullinane, K. (2018) *Establishment and analysis of a global database of initiatives adopted for the reduction of maritime air emissions*. Paper presented at the Swedish National Transport Conference, 15-16 October, Gothenburg, Sweden.
- Christodoulou, A. (2018) *Demand aspects of RoRo shipping services – the shippers' perspective*. Proceedings of the 27th IPSERA (International Purchasing & Supply Education & Research Association) Conference, 25-28 March, Athens, Greece.
- Giziakis, C. and Christodoulou, A. (2011) *A global levy scheme on Greenhouse gas emissions from shipping or a Maritime Emission Trading Scheme?* Proceedings of the Annual IAME (International Association of Maritime Economists) Conference, 26-28 October, Santiago, Chile.
- Giziakis, C. and Christodoulou, A. (2009) *Climate change and marine industry*. Proceedings of the Annual IAME (International Association of Maritime Economists) Conference, 24-26 June, Copenhagen, Denmark.

TECHNICAL REPORTS:

- Hansson, J., Zetterberg, L., Rootzén, J., Parsmo, R., Fridell, E., Flodén, J., Woxenius, J., Raza, Z., Christodoulou, A., Dalaklis, D. and Ölcer, A. (2022) *Impact of including maritime transport in the EU ETS*. Final Report No. C 719.
- Zetterberg, L., Rootzén, J., Mellin, A., Hansson, J., Christodoulou, A., Flodén, J., Elkerbout, M. (2021) *Shipping in the EU ETS*. Policy brief. Swedish Environment Research Institute (IVL).
- Mellin, A., Elkerbout, M., Hansson, J., Zetterberg, L., Fridell, E., Christodoulou, A. and Woxenius, J. (2020) *Including maritime transport in the EU Emission Trading System – possible designs and impacts*. Lighthouse Report. Gothenburg, Sweden.
- Merkel, A., Vierth, I., Johansson, M., Gonzalez-Aregall, M., Christodoulou, A. and Cullinane, K. (2020) *Size, specialization and flexibility – the role of ports in a sustainable transport system*. Lighthouse Report. Gothenburg, Sweden.

RESEARCH PROJECTS:

- “The Great Integration - Global Shipping in the Digital Age”, funded by Orients Fond, 2022-2025.
- ‘CHEK’ (deCarbonising sHipping by Enabling Key technology symbiosis on real vessel concept designs) Horizon 2020 project, 2021-2024.
- ‘CAHEMA’ (Concepts of Ammonia/Hydrogen Engines for Marine Application) project of the Nordic Energy Research Initiative in collaboration with Lund University, Norwegian University of Science and Technology, Aalto University, Danish Technical University, Wärtsilä, MAN Energy Solutions, Stolt Tankers, ForSea, 2021-2023.
- IMO consultancy on ‘Support to the comprehensive impact assessment of the short-term carbon intensity reduction measure’, 2020-2021.
- ‘Including maritime transport in the EU Emission Trading System – possible designs and impacts’ project in collaboration with the Swedish Environmental Research Institute (IVL) and Gothenburg University, 2020-2022.
- ‘Inventory of the Canadian Port Authorities’ GHG Emission Reduction Measures’ (GEMINI) project of the Government of Canada related to the abatement of GHG emissions at Canadian ports, 2019-2020
- ‘South Baltic Oil spill response’ (SBOIL) project, co-funded by the European Union’s (EU) South Baltic Program, a continuation of the project BioBind, which mainly focused on the creation and introduction into service of an oil recovery system designed for coastal waters, shallow areas and adverse weather conditions. The BioBind approach established a methodology relying on biodegradable oil binders that are deployed by airplanes and/or helicopters. The removal process involves a special net-boom, comprising of fishing nets and conventional containment booms. The project SBOIL aims to use this new “green” technology to improve present cross-border oil spill response capabilities, 2016-2019.
- ‘Search and Rescue in the High North Region’ project, co-funded by the European Union, related to the challenges associated to shipping and tourist operations in the Arctic region, 2020
- ‘Carrots and sticks’ project of the Swedish Maritime Administration (Sjöfartsverket) related to the achievement of environmental goals in shipping, 2017-2019.
- ‘MOSEL’ (Modal Shift for an Environmental Lift) project of the Swedish Transport Administration (Trafikverket) related to the achievement of a modal shift from road to rail and sea transport, 2017-2019.
- ‘Logistics consequences of the Gothenburg container port conflict’ project of the Swedish Transport Administration (Trafikverket), 2017-2019.
- ‘Extended shipping’s share: the potential of short sea and coastal shipping’ project of the Scania County of Sweden (Region Skåne), 2018-2019.
- ‘Size, specialization and flexibility – the role of ports in a sustainable transport system’ project in collaboration with the Swedish Transport Research Institute (VTI), 2019-2020.

CONFERENCES – WORKSHOPS:

- Christodoulou, A., Dalaklis, D., Ölcer, A. and Ballini, F. (2021) *Linking Digitalization to Sustainable Development: the Case of the Port of Gothenburg*. Keynote speech, The International Maritime Transport and Logistics Conference “Marlog 10”, 13-15 June, Alexandria, Egypt.
- Christodoulou, A., Dalaklis and Andreadakis, A. (2022) *Exploring the Portfolio of Arctic Operations: Maritime traffic patterns in the Arctic and relevant environmental concerns*. MAREC Final Scientific Meeting: Inter-Organizational Coordination of Mass Rescue Operations in Arctic Setting. 19 – 20 May 2022, World Maritime University, Malmö, Sweden.

- Christodoulou, A. (2020) *Trends, prospects and challenges for RoRo shipping*. Keynote Speech, MEDports Association RoRo Seminar, 3 December, Marseille, France.
- IMO, Zero-and Low-Emission Innovation Forum, supported by the Government of Norway, the IMO Secretariat and the United Nations Environment Programme (UNEP), 27-29 September 2021, London, UK.
- WMU, Expert Workshop co-organised by the International Transport Forum, the WMU and the Nordic Energy Research on Prospects for energy and maritime transport in the Nordic region, 26-27 February 2020, Malmoe, Sweden.
- WMU, International Seminar on Trends and Challenges after the Paris Agreement: Global Maritime Technology Cooperation Centre (MTCC) Network Success Stories, 8-10 October 2019, Malmoe, Sweden (Organising Committee).
- OECD, International Transport Forum (ITF) Workshop on *Decarbonising Maritime Transport*, 26-27 November 2018, Paris, France
- Copenhagen Business School, Green Shipping Copenhagen 2019 Paper Workshop, 14-15 January, Copenhagen, Denmark.
- London International Shipping Week (LISW21), Shipping Risk Forum, 14th September 2021, London, UK.
- Christodoulou, A. (2018) *Determinant factors for the development and further use of maritime supply chains*. Speech at the Port of Karlshamn Christmas Conference, 29th November, Karlshamn, Sweden.

LANGUAGES:

English: Excellent knowledge. **French:** Very good knowledge. **Spanish:** Advanced knowledge. **Greek:** native.

SKILLS & QUALIFICATIONS:

- Master of Arts (MA), Language and Society, Sociolinguistics, June 2017, Malmoe University, Malmoe, Sweden
- Bachelor of Science, French Language & Literature, May 2012, National and Kapodistrian University of Athens, Greece
- European Computer Driving License (ECDL)