



## Europass Curriculum Vitae

### Personal information

First name(s) / Surname(s) Irida Maina  
Address(es) Institute of Marine Biological Resources & Inland Waters - HCMR,  
46.7 km Athens-Sounio, 19013 Anavyssos, Greece  
Telephone(s) +30 2109856700  
Fax(es) +30 2109811713  
E-mail [imaina@hcmr.gr](mailto:imaina@hcmr.gr), [mainairida@hotmail.com](mailto:mainairida@hotmail.com)  
Nationality Greek  
Date of birth 24.Oct 1986  
Gender Female



### Work experience

She is a marine scientist (Ph.D.) focusing on fisheries science. From 2011 works as a research assistant in IMBRIW/HCMR and she has participated in 18 European and National research projects. She has research interests and experience in Geographic Information Systems (GIS), spatial analysis, geostatistics, analysis of spatio-temporal patterns, regression modeling (GAM, GLM, mixed models etc.), GIS-based multi-criteria decision analysis, time-series analysis, webGIS (geoserver, geonetwork), spatially explicit bio-economic applications (DISPLACE - Ionian Sea application). She holds a PhD in Department of Marine Sciences (University of the Aegean) and she has been working on Vessel Monitoring System (VMS) data analysis and on exploring fishing effort dynamics as well as it's interactions with biotic/abiotic parameters (data from experimental sampling, environmental, oceanographic data etc.). She has been also involved in studies focusing on estimating fishing pressure from small-scale fisheries sector. She has contributed in 12 articles in international peer-reviewed scientific journals and in more than 20 other publications (i.e., conference proceedings, technical reports). She has also experience in seabird habitat modelling and she has participated in avifauna studies.

Dates Since 2011  
Occupation or position held Research assistance  
Main activities and responsibilities Research assistant in Hellenic Centre for Marine Research, participation in European and National research projects.  
Name and address of employer Hellenic Centre for Marine Research, 46.7 km Athens-Sounio, 19013 Anavyssos, Greece  
Type of business or sector Research Centre

### Education and training

Dates **2005-2009**  
Title of qualification awarded **2009**  
Principal subjects/occupational skills covered Degree in Geography,  
Name and type of organisation providing education and training School of Social Sciences, University of the Aegean  
Dates **2009-2011**  
Title of qualification awarded **2011**  
Principal subjects/occupational skills covered M.Sc. in Geography and Applied Geo-Informatics (GIS), with the orientation of applied Geo-Informatics in Environmental and Risk Management

Name and type of organisation providing education and training	Department of Geography, School of Social Sciences, University of the Aegean																		
Dates	<b>2012-2019</b>																		
Title of qualification awarded	<b>2019</b>																		
Principal subjects/occupational skills covered	PhD student in the Department of Marine Sciences, thesis title: «METHODODOLOGY FOR THE ANALYSIS OF VESSEL MONITORING SYSTEM DATA AND THE EXPECTED CONTRIBUTION IN SUSTAINABILITY OF GREEK FISHERY RESOURCES»,																		
Name and type of organisation providing education and training	Department of Marine Sciences, School of the Environment, University of the Aegean																		
<b>Personal skills and competences</b>																			
Mother tongue(s)	<b>Greek</b>																		
Other language(s)	<b>English</b>																		
Self-assessment <i>European level (*)</i>	<table border="1"> <thead> <tr> <th colspan="2">Understanding</th> <th colspan="2">Speaking</th> <th>Writing</th> </tr> <tr> <td>Listening</td> <td>Reading</td> <td>Spoken interaction</td> <td>Spoken production</td> <td></td> </tr> </thead> <tbody> <tr> <td>C2</td> <td>C2</td> <td>C1</td> <td>C1</td> <td>C1</td> </tr> </tbody> </table>				Understanding		Speaking		Writing	Listening	Reading	Spoken interaction	Spoken production		C2	C2	C1	C1	C1
Understanding		Speaking		Writing															
Listening	Reading	Spoken interaction	Spoken production																
C2	C2	C1	C1	C1															
(*) <i>Common European Framework of Reference for Languages</i>																			
Computer skills and competences	ArcGIS, WebGIS (Geoserver, Geonetwork), SQL, SPSS, R, MATLAB, FARSITE, ERDAS IMAGINE, MARXAN, DISPLACE, Windows MS Office.																		
Other skills and competences	<p>-Summer School on R (statistical computing tool for statisticians worldwide). Athens University of Economics and Business, 23 - 27 June 2014, Athens, Greece.</p> <p>-PEGASO Hands-on Training workshop: Introduction and implementation of Spatial Data Infrastructures (SDI's), 22 - 25 October 2012, Oostende, Belgium.</p>																		

#### Participant in Research projects

- **i4Sea:** 2018, Τα μεγάλα Δεδομένα στην Επιτήρηση και Ανάλυση Κίνησης Θαλάσσιων Περιοχών: καινοτόμος ΤΠΕ και μοντέλα ανάλυσης (της Ενιαίας Δράσης «Ερευνώ-Καινοτομώ-Δημιουργώ»)
- **Med\_Units:** 2019, Study on Advancing fisheries assessment and management advice in the Mediterranean and Black Sea by aligning biological and management units of priority species. 2019 SPECIFIC CONTRACT EASME/EMFF/2017/1.3.2.3/01/ SI2.793201 -SC03 (The Executive Agency for Small and Medium-sized Enterprises (EASME))
- **PORTODIMARE:** 2018, geoPortal of Tools & Data for sustainable Management of coAstal and maRine Environment
- **AMARE:** 2017, Actions for Marine Protected Areas
- **ECOAST:** 2016, New methodologies for an ecosystem approach to spatial and temporal management of fisheries and aquaculture in coastal areas
- **MARISCA:** From 2016, MARitime Spatial planning for the protection and Conservation of the biodiversity in the Aegean sea
- **PROTOMEDEA:** From 2016, Towards the establishment of Marine Protected Area networks in the Eastern Mediterranean
- **BOATSEINE2015:** Scientific study to support management plan for the operation of boatseine fishing fleet, 2015-2016
- **ECODISC:** 2014-2016 Ecosystem effect of fisheries Discards.
- **BOATSEINE2013:** Scientific study to support management plan for the operation of boatseine fishing fleet, 2013
- **BENTHIS:** 2013 to 2016, Benthic Ecosystem Fisheries Impact Studies
- **IRIS-SES:** 2013 to 2015 Integrated Regional monitoring Implementation Strategy in the South European Seas (IRIS -SES) is a pilot project on New Knowledge for an integrated management of human activities in the sea.

- **PERSEUS:** from 2012 to 2016, Policy-orientated marine Environmental Research for the Southern European Seas (Subtask 3.3.3: Common methodological procedures for analysis of VMS data, including web based GIS applications related to the spatial extent and intensity of fishing effort)
- **STOCKMED:** 2013 έως 2014, Stock units: Identification of distinct biological units (stock units) for different fish and shellfish species and among different GFCM-GSA
- **PEGASO:** from 2010 to 2014, People for Ecosystem-based Governance in Assessing Sustainable development of Ocean and coast
- **MESMA:** from 2009 to 2013, Monitoring and Evaluation of Spatially Managed Areas, distributed spatial databases using Geoserver and Geonetwork technologies
- **CORALFISH:** from 2009 to 2013, Ecosystem based management of corals, fish and fisheries in the deep waters of Europe and Beyond.
- **MET-SMA-Fish:** from 2009 to 2011, Métiers in small scale fisheries.
- **IMASFish:** from 2003 to 2007, Development of Integrated Management System to Support the sustainability of Greek fisheries resources.

#### Publications

- Bastardie, F., Rufener, M.C., Nielsen, J.R., **Maina, I.**, Kavadas, S., Vassilopoulou, C., Alexandrov, L.M., Niculescu, D., Spinu, A., Nicolaev, A., Rosca, M., Höffle, H., Farnsworth, K.D., Pedreschi, D., Reid, D., Bolognini, L., Martinelli, M., Grati, F., Fuga, F. 2018. Modelling spatial interactions among fish communities, fishers and other marine activities: comparing five European case studies. Conference of the International Institute of Fisheries Economics and Trade (IIFET), July 14-20, Seattle, US. <https://doi.org/10.6084/m9.figshare.6724841.v2>
- Brodersen, M.M., Pantazi, M., Kokkali, A., Panayotidis, P., Gerakaris, V., **Maina, I.**, Kavadas, S., Kaberi, H., Vassilopoulou, V., 2017. Cumulative impacts from multiple human activities on seagrass meadows in eastern Mediterranean waters: the case of Saronikos Gulf (Aegean Sea, Greece). *Environmental Science and Pollution Research*. doi:10.1007/s11356-017-0848-7
- Damalas, D., Christou, E.D., Giannoulaki, M., Tserpes, G., Kapis, K., Stergiou, K.I., Kavadas, S., Tsagarakis, K., **Maina, I.** 2018. Fisheries in the Korinthiakos Gulf and the recent jellyfish bloom. 12th Panhellenic Symposium on Oceanography and Fisheries. Kerkyra. Book of abstracts: 108 p.
- Gkadolou, E., **Maina, I.**, Kitsos, K., Kavadas, S., Vassilopoulou, C. 2017. Spatial Interactions Among Marine Uses in Greek Waters. SmartBlueCity 2nd Euro-Mediterranean conference Exhibition. Heraklion-Crete / Greece, 28 September 2017.
- Grati, F., Bolognini, L., Martinelli, M., Marino, G., Finoia, MG., Archina, M., Petochi, T., Vassilopoulou, V., **Maina, I.**, Gadolou, E., Alexandrov, L., Spinu, A., Agustsson, T., Gomiero, A., Ravagnan, E., Olsen, E., Beck, A., Søvik, G., Guilhermino, L., Ribeiro, D., Vieira, LR., Bastardie, F., Nielsen J.R. 2017, Spatial planning for aquaculture: the Georeferenced Interactions Database (GRID). EAS Aquaculture Europe 2017.
- Issaris, Y., Katsanevakis, S., Pantazi, M., Vassilopoulou, V., Panayotidis, P., Kavadas, S., Kokkali, A., Salomidi, M., Frantzis, A., Panou, A., Damalas, D., Klaoudatos, D., Sakellariou, D., Drakopoulou, V., Kyriakidou, C., **Maina, I.**, Fric, J., Smith, C., Giakoumi, S. & G. Karris, 2012, Ecological mapping and data quality assessment for the needs of ecosystem-based marine spatial management: case study Greek Ionian Sea and the adjacent gulf. *Mediterranean Marine Science*, 297-311
- Issaris, Y., Katsanevakis, S., Vassilopoulou, V., Panayotidis, P., Kavadas, S., Kokkali, A., Salomidi, M., Frantzis, A., Panou, A., Damalas, D., Klaoudatos, D., Sakellariou, D., Drakopoulou, V., Kyriakidou, C., **Maina, I.**, Fric, J., Smith, C., Giakoumi, S. 2012, Inner Ionian Archipelagos and adjacent gulfs: Ecological mapping for the needs of ecosystem-based marine spatial management. Athens, 7-11 May, Abstr. 10th Hel. Oceanogr. & Fish., p. 248
- Kavadas, S., **Maina, I.**, Damalas, D., Dokos, I., Pantazi, M., Vassilopoulou, V. 2015, Multi-Criteria Decision Analysis as a tool to extract fishing footprints and estimate fishing pressure: application to small scale coastal fisheries and implications for management in the context of the Maritime Spatial Planning Directive. *Mediterranean Marine Science*, (Accepted at 23/11/2014). Available at: <http://www.medit-mar-sc.net/index.php/marine/article/view/1087>

- Kavadas, S., Carmen, B., Andrea, B., Piera, C., Stefano, C., C Camilla, C., Lorenzo, D-A., Dokos, J., **Maina, I.**, Martinelli, M., Massutí, E., Moranta, J., Parisi, A., Quetglas, A., Russo, T., Santojanni, A., Vasilopoulou V., 2014. Common methodological procedures for analysis of VMS data, including web-based GIS applications related to the spatial extent and intensity of fishing effort. PERSEUS Project. ISBN no: 978-960-9798-14-3
- Kavadas, S., **Maina, I.**, Vassilopoulou, V., Damalas, D., Dokos, J. & M. Pantazi, 2013, Estimating fishing pressure from coastal fisheries using Multi-criteria Decision Analysis methodology. First Regional Symposium in small scale fisheries, 27-30 November, St. Julian's, Malta
- Kavadas, S., **Maina, I.**, Pantazi, M. & V., Vassilopoulou, 2013, Development of a methodological approach to identify common fishing grounds exploited by coastal and trawl fisheries for a more effective spatial management of the two sectors. Lisbon 8-10 Oct 2013, MESMA Final Conference
- Καββαδάς, Σ. & **I. Μάινα**, 2012, Μεθοδολογία ανάλυσης δεδομένων του Συστήματος Παρακολούθησης Αλιευτικών Σκαφών: Εκτίμηση της Αλιευτικής Προσπάθειας του στόλου μέσης αλιείας., Αθήνα, 7-11 Μαΐου, Πρακτ. 10ο Πανελ. Συμπ. Ωκεανογρ. & Αλιείας, σελ. 164
- Καββαδάς, Σ. , Σιαπάτης, Α., Μπάρμπας, Θ., Δαμαλάς, Δ., Αδαμίδου, Α., Πετράκης, Γ., **Μάινα, I.**, Κορναράκη, Λ., 2012 Ενασχολήσεις στη μικρή κλίμακα αλιεία στο Β. Αιγαίο. Αθήνα, 7-11 Μαΐου, Πρακτ. 10ο Πανελ. Συμπ. Ωκεανογρ. & Αλιείας, σελ. 160
- Kapiris, K., Dogrammatzi, K., Christidis, G., **Maina I.**, Kladoudatos D., 2014. Decapod crustacean fauna of the Argolikos Gulf (Eastern Mediterranean, Central Aegean Sea ). Acta Adriatica. 55, 219–228.
- Kapiris, K., Mannini, A., **Maina, I.**, 2013, A review of the parasitic fauna of *Trachurus trachurus* and *T. mediterraneus* in the Mediterranean and Black Sea: Could this indicator be used for their stock recognition? Bulgaria, Varna, 17-20 September, International Conference of Marine Research Horizon 2025, p. 115
- Karris, G., Xirouchakis, S., **Maina, I.**, Grivas, K., Kavadas, S. 2018. Home range and foraging habitat preference of Scopoli's Shearwater *Calonectris diomedea* during the early chick-rearing phase in the eastern Mediterranean. Wildlife Biology (in press), <https://doi.org/10.2981/wlb-00388>
- Karris, G., Ketsilis-Rinis, V., Kalogeropoulou, A., Xirouchakis, S., Machias, A., **Maina, I.**, Kavadas, S. 2018. The use of demersal trawling discards as a food source for two scavenging seabird species: a case study of an eastern Mediterranean oligotrophic marine ecosystem. Avian Research, 26: 9(1). <https://doi.org/10.1186/s40657-018-0118-5>
- Karris, G., Xirouchakis, S., **Maina, I.**, Grivas K., Kavadas S. 2015. Foraging movements of Scopoli's Shearwaters (*Calonectris diomedea*) during early chick-rearing phase. 10th Conference of the European Ornithologist's Union, At Badajoz, Spain
- **Maina, I.**, Kavadas, S. 2018. Fishing effort estimates, data limitations, trip behavior indices and economic perspectives: A paradigm of methods applied on the Greek fisheries. FAO Fish Forum 2018, Side Event title: Future perspectives after the revolution: the rise of tracking devices for monitoring and modelling of fisheries.
- **Maina, I.**, Kavadas, S., 2018. Spatio-temporal fishing effort on bathymetric zones in Aegean Sea using VMS data. FAO Fish Forum 2018, poster. Rome 13/12/2018
- **Maina, I.**, Gadolou, E., Bastardie, F., Kavadas, S., Vassilopoulou, V., 2018. Decision Support Tools For Maritime Spatial Planning: Lessons Learned From A Case Study In Central Mediterranean Waters. 2018. SmartBlueCity 3rd Euro-Mediterranean conference Exhibition. Larnaca / Cyprus, October 5, Book of Abstracts, 20 p.
- **Maina, I.**, Kavadas, S., Damalas, D., Pantazi, M., Katsanevakis, S. 2018. Dynamics of trawling effort in the Aegean Sea: investigating the potential of Vessel Monitoring System (VMS) data. ICES Journal of Marine Science. fsy083. <https://doi.org/10.1093/icesjms/fsy083>

- **Maina, I.**, Kavadas, S., Machias, A., Tsagarakis, K., Giannoulaki, M. 2018. Modelling the spatiotemporal distribution of fisheries discards: A case study on eastern Ionian Sea trawl fishery. *Journal of Sea Research*. 139, 10-23
- **Maina, I.**, Katsanevakis, S., Petrou, A., Scarcella, G., Jimenez, C., Petza, D., Giannoulaki, M., Karachle, P.K., Kavadas, S. 2018. Mapping fishing grounds for selected target species of bottom trawl in eastern Mediterranean. 12th Panhellenic Symposium on Oceanography and Fisheries. Kerkyra. Book of abstracts: 204 p.
- **Maina, I.**, Kavadas, S., Katsanevakis, S., Somarakis, S., Tserpes, G., Georgakarakos, S. 2016. A methodological approach to identify fishing grounds: A case study on Greek trawlers. *Fisheries Research*. 183, 326-339, <http://dx.doi.org/10.1016/j.fishres.2016.06.021>
- **Maina, I.**, Kavadas, S., Machias, A., Tsagarakis, K., Giannoulaki, M., 2015, Modeling the distribution of discards based on satellite environmental information in Ionian Sea. 11th Panhellenic Symposium on Oceanography and Fisheries, Mytilene, Lesvos island, Greece, 125 -128
- **Maina, I.**, Kavadas, S., Laiaki, M., Mantopoulou, D., Georgakarakos, S., 2015, Identification and mapping spatiotemporal migration patterns of bottom trawlers. 11th Panhellenic Symposium on Oceanography and Fisheries, Mytilene, Lesvos island, Greece, 209 - 212
- **Maina, I.**, Kavadas, S., Mantopoulou, D., Vassilopoulou, V., Dokos, J., Georgakarakos, S., 2014, The use of Vessel Monitoring System data to identify and map migration spatio-temporal patterns of trawlers in the Aegean Sea. Athens, 29-30 Jan 2014, PERSEUS scientific workshop.
- **Maina, I.**, Kavadas, S., Mantopoulou, D., Somarakis, S., 2014, Identification of fishing grounds for the target species of bottom trawl in the Hellenic waters. 13-15 November, Volos, Greece, HydroMedit 2014, 222p
- **Maina, I.**, and Kavadas, S. 2013. The use of Vessel Monitoring System data to identify migration spatial patterns of open sea fishery in the Aegean Sea., p 137-140. In: 15th Hel. 15th Congress of Ichthyologists, 10-13 October, 2013, Thessaloniki, Greece. Book of abstracts, Vol 1.
- **Μάινα, Ι.**, Σιαπάτης, Α., Καβαδάς, Σ., Κυριακίδης, Φ., Γεωργακαράκος, Σ., Σωμαράκης, Σ., 2012, Η χρήση Συστημάτων Γεωγραφικών Πληροφοριών και Γενικευμένων Αθροιστικών Μοντέλων στην πρόβλεψη πιθανών πεδίων ωτοκίας του γαύρου. Αθήνα, 7-11 Μαΐου, Πρακτ. 10ο Πανελ. Συμπ. Ωκεανογρ. & Αλιείας, σελ. 185
- Markantonatou, V., Koukouroufli, N., Dimarchopoulou, D., Giannoulaki, M., Karachle, P.K., Kavadas, S., **Maina, I.**, Papadopoulou, N., Petza, D., Sini, M., Smith, C., Stithou, M., Tserpes, G., Tsikliras, A.C., Vassilopoulou, V., Katsanevakis, S. 2018. Systematic conservation planning: protecting biodiversity and fisheries resources in the Aegean Sea. 12th Panhellenic Symposium on Oceanography and Fisheries. Kerkyra. Book of abstracts: 5 p.
- Markantonatou, V., Chartosia, N., Petrou, A., Jimenez, C., Karachle, P.K., Kavadas, S., **Maina, I.**, Michailidis, N., Papapodoulou, N., Scarcella, G., Smith, C., Stithou, M., Vassilopoulou, V., Katsanevakis, S. 2018. Systematic conservation planning: protecting biodiversity and fisheries resources in Cyprus. 12th Panhellenic Symposium on Oceanography and Fisheries. Kerkyra. Book of abstracts: 6 p.
- Mytilineou, Ch., Akel, E.H.Kh., Babali, N., Balistreri, P., Bariche, M., Boyaci, Y.Ö., Cilenti, L., Constantinou, C., Crocetta, F., Çelik, M., Dereli, H., Dounas, C., Durucan, F., Garrido, A., Gerovasileiou, V., Kapiris, K., Kebapcioglu, T., Kleitou, P., Krystalas, A., Lipej, L., **Maina, I.**, Marakis, P., Mavrič, B., Moussa, R., Peña-Rivas, L., Poursanidis, D., Renda, W., Rizkalla, S.I., Rosso, A., Scirocco, T., Sciuto, F., Servello, G., Tiralongo, F., Yapici, S., Zenetos A., 2016 New Mediterranean Biodiversity Records (November, 2016). *Mediterranean Marine Science*, 17, 794-821.
- Pecceu, E., Galparsoro, IV., Fernandez, T., **Maina, I.**, Gonzalez-Mirelis, G., Karachle, P., Hostens, K., 2016. Using a systematic conservation planning approach to enhance the marine spatial planning process in Europe. North Sea Open Science Conference. Ostend, Belgium, 7-10 November 2016. Abstract booklet: Interdisciplinary Science in support of Marine Management. p. 121.

- Petza D, **Maina I**, Koukourouvli N, Dimarchopoulou D, Akrivos D, Kavadas S, Tsikliras A, Karachle P, Katsanevakis S., 2017 Where not to fish - reviewing and mapping fisheries restricted areas in the Aegean Sea. *Mediterranean Marine Science*, 18, 310-323.
- Sini, M., Topouzelis, K., Koukourouvli, N., Zotou, M., Katsanevakis, S., Andreadis, O., Dailianis, T., Damalas, D., Dendrinou, P., Frantzis, A., Gerakaris, V., Gerovasileiou, V., Giakoumi, S., Hasiotis, T., Issaris, Y., Karachle, P., Kavadas, S., Kavroudakis, D., Koutsogiannopoulos, D-D., Koutsoubas, D., **Maina, I.**, Mamoutos, I., Manoutsoglou, E., Markantonatou, V., Mazaris, A., Panayotidis, P., Papakonstantinou, A., Poursanidis, D., Ragkousis, M., Salomidi, M., Samara, E., Vassilopoulou, V., Velegrakis, A., Zervakis, V. 2016. Mapping ecological features for the conservation of marine biodiversity in the Aegean Sea: the MARISCA project. 51st European Marine Biology Symposium, 26-30 September 2016. Available from: [https://www.researchgate.net/publication/308364756\\_Mapping\\_ecological\\_features\\_for\\_the\\_conservation\\_of\\_marine\\_biodiversity\\_in\\_the\\_Aegean\\_Sea\\_the\\_MARISCA\\_project](https://www.researchgate.net/publication/308364756_Mapping_ecological_features_for_the_conservation_of_marine_biodiversity_in_the_Aegean_Sea_the_MARISCA_project) [accessed Nov 3, 2016]
- Smith, C.J., Papadopoulou, K-N., Kavadas, S., **Maina, I.**, Karachle, P.K. 2018. FP7 Project BENTHIS: Benthic ecosystem fisheries impact study. 12th Panhellenic Symposium on Oceanography and Fisheries. Kerkyra. Book of abstracts: 116 p.
- Vassilopoulou, V., Issaris, Y., Giakoumi, S., Mavromati, G., Pantazi, M., Kokkali, A., Kavadas, S., **Maina, I.**, Dogrammatzi, A., Anagnostou, C., Katsanevakis, S., Panayotidis, P. Application of an ecosystem-based spatial management approach in a coastal area in western Greece. *WIT Transactions on Ecology and the Environment*, 169, pp. 103 – 114

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