

# Enrico Nicola ARMELLONI



## Personal details

Born in 1992  
Italian  
Raised in Crema (CR), Italy  
Living in Ancona (AN), Italy

## Contact

[Enrico.armelloni@irbim.cnr.it](mailto:Enrico.armelloni@irbim.cnr.it)  
[Enrico.armelloni2@unibo.it](mailto:Enrico.armelloni2@unibo.it)  
[Enrico.e.armelloni@gmail.com](mailto:Enrico.e.armelloni@gmail.com)

## Languages

Italian – native  
Spanish – C1  
English – C1 (IELTS Band Score  
7.5, 22/11/2022).

## Summary

Junior fishery scientist and PhD student. Background in ecological and economical aspects of mediterranean fisheries. Comprehensive knowledge of the Mediterranean fishery advisory system. Passionate data analyst. Well-versed in R programming software and basic knowledge of MatLab, Python and MySQL.

## Skill Highlights

- Data analysis
- Gis software
- Machine learning
- Mediterranean fisheries
- Stock assessment
- Numerical ecology

## Experience

### Fishery scientist

**Tenure of collaboration at National Research Council (CNR-IRBIM) of Ancona, Italy.** March 2021 to ongoing

- Stock assessment of demersal species.
- Analysis of fishing vessels footprint.
- Data collection and data curation for Solemon trawl survey.

**Research fellowship holder at National Research Council (CNR-IRBIM) of Ancona, Italy.** September 2018 to October 2020

- Stock assessment of demersal species.
- Analysis of fishing vessels footprint.
- Data collection and data curation for Solemon trawl survey.
- Boarding for Biological samplings

**Tenure of collaboration at Cooperativa Mare Ricerca of Ancona, Italy.** March 2018 to September 2018

- Boarding for Biological samplings.

**Traineeship at Spanish institute of Oceanography – Oceanographic centre of The Canary islands (IEO-COC), Sta. Cruz de Tenerife, Spain.** March 2017 to November 2017

- Age estimation techniques for cephalopods.
- Biological samplings.

## Education

PhD: **Innovative technologies and sustainable use of Mediterranean Sea fishery and biological resources (FishMed-PhD)**- 2020 to ongoing. **University of Bologna, Italy**

MSc: **Marine biology** – 2015 to 2017  
**University of Bologna, Italy**

BSc: **Human Science of Environment, Landscape and Territory** – 2011 to 2014. **University of Milan, Italy**

# Additional experience

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## Consultancy

**Ad hoc contract for the preparation of STECF EWG 23-01 concerning closure areas to protect juveniles and spawners of all demersal stocks in western Mediterranean Sea** Ares(2023)844171 – March 2023.

- Preparing distribution maps of target demersal species using Generalized Mixed Models.

**Invited expert at the Scientific, Technical and Economic Committee for Fisheries of the European Commission (STECF) EWG 22-16: Stock Assessment in the Adriatic, Ionian and Aegean Sea 2022** - October 2022

- Checking data quality and performing stock assessment of target demersal species.

**Technical assistance for FAO GFCM Workshop “Identification of DWRS fishing grounds using AIS data”, held online on the 7 of February 2022.** – February 2022

- scientific tutor and responsible of the lesson material for capacity building purpose, co-maintainer of the github page [https://github.com/irbimMAPS/dwrs\\_workshop\\_2022](https://github.com/irbimMAPS/dwrs_workshop_2022).

**Technical Assistance for Implementation of Stock Assessments in Fisheries Activities – Turkey. Agreement with AGT S.p.A..** – March 2021 to April 2021

- Development of training material (audio, video and text) for the course “Stock assessment applied at sea – Training for certified trainers”.

## Fisheries observer

**Scientific observer for the program “ICCAT Regional Observer Programme for Eastern Atlantic and Mediterranean Bluefin Tuna (ROP-BFT)”** – June 2018 to July 2018

- Monitoring of “caging” activities within the Croatian (HR) Purse-Seine fishery.

# Relevant Certifications (part 1)

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## **Introduction to Management Strategy Evaluation (MSE): Philosophy, Concepts and Practical Application**

Rome (Italy) - Hybrid; 17-20 January 2023.

Released by: Tom Carruthers, Adrian Hordyk.

## **AMARE-MED 2022 Third advance course on quantitative methods for ecosystem approach to fisheries applications**

Larnaka (Cyprus); 3-7 october 2022.

Released by: Andrè Punt, Tommaso Russo.

## **AZTI SUMMER SCHOOL 2022 - Addressing the cumulative impacts of multiple human pressures in marine systems**

Aquarium of San Sebastián (Spain); 8-9 September 2022

Released by: Angel Borja

## **Big Data Analytics: Marine Data as a Case Study**

University of Pisa, computer sciences department, Pisa (Italy); 26-29 april 2022

Released by: Gianpaolo Coro

## **AMARE-MED 2021 Second advance course on quantitative methods for ecosystem approach to fisheries applications**

Split (Croatia); 21-26 june 2021.

Released by: Kim de Mutsert, Andrè Punt, Simone Libralato, Natalia Serpetti.

## **Advanced Course Fisheries Biology in R**

Aristotle University of Thessaloniki, Thessaloniki, Greece; 11-15 November 2019.

Released by: Athanassios Tsikliras, Rainer Froese.

## **The Data Scientist’s Toolbox**

Online course offered through Coursera

Released by: John Hopkins University (03/10/2019)

## Relevant Certifications (part 2)

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### **AMARE-MED 2019 First advance course on quantitative methods for ecosystem approach to fisheries applications**

Istituto Veneto di Arti, Lettere e Scienze, Venezia (Italy); 1-6 July 2019.

Released by: Andr  Punt, Natalie Dowling, Gianpaolo Coro, Simone Libralato.

### **Advanced Stock Assessment Course using Stock Synthesis (SS3)**

Ponza (Italy); 13-17/05/2019.

Released by: Massimiliano Cardinale.

### **Summer school in quantitative fisheries stock assessment – Stock assessment and formulation of management advice**

Institute for Marine and Coastal Environment (IAMC-CNR), Capo Granitola (Italy); 16-20 July 2018.

Released by: FAO Fisheries Department, GFCM, European Commission JRC and CNR-IAMC

## Involvement in projects

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### International

#### **Horizon H2020 project EcoScope - Ecocentric management for sustainable fisheries and healthy marine ecosystems.**

**DTA.AD002.668.001** – September 2021 to ongoing

- participation to WPs 4 (Climate forcing and the human impact), 5 (Assessing the ecosystem and its components) and 7 (Assessing societal expectations and economic values). Task leader for 4.4 (Vulnerability and risk assessment Index – Pattern recognition model developed to produce a global-scale impact index of climate change effects on biodiversity and human activities).

#### **MTF /INT/943/MUL Baby 30 – “Select activities of the mid-term strategy towards the sustainability of fisheries and the strategy for sustainable aquaculture development implemented in the Mediterranean And Black Sea” - March 2020 to December 2020**

- identification and mapping of bottom trawl fishing grounds for deepwater red shrimp in the Eastern-Central Mediterranean Sea (GSAs 12-16, 18-27)

#### **EASME/EMFF/2017 – SPECIFIC CONTRACT MED-UNITS – “Study on Advancing fisheries assessment and management advice in the Mediterranean by aligning biological and management units of priority species”- March 2019 to July 2021**

- Participation to WP3. Tasks 3.1 (Fishing ground delineation); 3.3 (Updated stock assessments, retrospective comparisons, bias estimations and implications for fisheries management advice)

#### **Interreg project ADRIREEF – “Innovative exploitation of Adriatic Reefs in order to strengthen blue economy - February 2019 to June 2021**

- Participation to WP3 (Mapping of Adriatic Reefs from different perspectives) and WP4 (Monitoring of selected case study).

#### **Interreg project FAIRSEA – “Fisheries in the Adriatic Region - a Shared Ecosystem Approach – October 2020 to March 2021**

- Participation to WP3 (Mapping, benchmarking, sharing and enhancing EAF capabilities), WP 4 (Implementation of a shared and integrated platform) and WP5 (Decision support system for the development of sustainable fisheries).

#### **Interreg project MED MISTRAL – “Mediterranean Innovation STRATEGY for transnational activity of clusters and networks of the Blue Growth - March 2018 to March 2019**

- Participation to WP3 (Redaction of Italian country fiches on small scale fishery and recreational fishery).

### National (Italy)

#### **Support to ISPRA in the framework of the Marine Strategy Framework Directive (2008/56/CE) for the years 2021-2023 –**

September 2021 to ongoing

- development of technical methodology and data analysis for the descriptors D1C2, D1C3, D3C1, D3C2, D3C3.

#### **SNAPSHOT – “Synoptic Assessment of Human Pressures on key Mediterranean Hot Spots” – October 2020 to March 2021**

- Participation to Wp4. Task 4.1 (AIS data analysis); 4.2 (Stock assessment); 4.3 Ecological Niche modelling)

#### **Support to ISPRA in the framework of the Marine Strategy Framework Directive (2008/56/CE) for the year 2020 –March 2020 to December 2020**

## Involvement in projects

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### National (Spain)

**OCTOWELF - “Welfare and health status of the first life stages of common octopus (*Octopus vulgaris*). Effects of nutrition and environmental factors”** – March 2017 to November 2017

- research on cephalopod biology during master thesis.

## Attendance at relevant conferences and working groups

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### FAO - General Fisheries Commission for the Mediterranean (GFCM)

**FAO - GFCM, Working Group on stock assessment of Demersal Species (WGSAD)- 2nd Benchmark session for the assessment of red mullet in GSAs 17 and 18.** Rome (Italy), 13-17 March, 2023; main duties: data handling for the purpose of the stock assessment, stock assessment models and reporting

**FAO - GFCM, Working Group on stock assessment of Demersal Species (WGSAD)-** Rome (Italy), 12-17 December 2022. presenting the study “Stock Assessment of Common Cuttlefish in GSA 17”

**FAO-GFCM, Scientific Advisory Committee on Fisheries (SAC) - Fifth meeting of the Subregional Committee for the Adriatic Sea (SRC-AS).** Online meeting, 17-20 May 2022.

**FAO - GFCM, Working Group on stock assessment of Demersal Species (WGSAD)- Benchmark session for the assessment of red mullet in GSAs 17 and 18.** Online meeting, 14-18 March, 2022; main duties: data handling for the purpose of the stock assessment, stock assessment models and reporting

**FAO-GFCM, Scientific Advisory Committee on Fisheries (SAC) - Deepwater red shrimp in the eastern-central Mediterranean Sea week .** Online meeting, 8-11 February 2022.

**FAO - GFCM, Working Group on stock assessment of Demersal Species (WGSAD)-** Online meeting, 24-29 January, 2022; presenting the studies “Stock Assessment of Common Cuttlefish in GSA 17”.

**FAO-GFCM, Scientific Advisory Committee on Fisheries (SAC) - Fifth meeting of the Subregional Committee for the Adriatic Sea (SRC-AS).** Online meeting, 20-23 April 2021. Contribution to the study “Integrating spatial fishery information into the management process of Jabuka/Pomo Pit”.

**FAO - GFCM, Expert meeting on Stock Assessment Methodology)-** Online meeting, 3-4 February, 2021; participating to the presentation “Catch only (survey) + length-based approaches”

**FAO - GFCM, Working Group on stock assessment of Demersal Species (WGSAD)-** Online meeting, 25-29 January, 2021; presenting the studies “Stock Assessment of Common Cuttlefish in GSA 17” and “Stock Assessment of *Lophius budegassa* in GSA 17”.

**AdriaMed Working Group on Demersal Fisheries Resources** - online meeting, 18 May– 5 June 2020; presenting the studies “Integrating spatial fishery information into the management process of Jabuka/Pomo Pit” and “Update on stock assessment”.

**FAO - GFCM, Working Group on stock assessment of Demersal Species (WGSAD)-** FAO-HQs, Rome, Italy, 9-14 December, 2019; presenting the study “Stock Assessment of Common Cuttlefish in GSA 17. Update 2019”.

**AdriaMed Working Group on Demersal Fisheries Resources,** - FAO-HQs, Rome, Italy 24 – 25 October 2019

**AdriaMed Meeting on standardization of surveys data in the Adriatic Sea** – Marine Biology and Fisheries Laboratory of Fano, Fano, Italy, 31 January – 1 February 2019

**FAO - GFCM , Working Group on stock assessment of Demersal Species (WGSAD)-** FAO-HQs, Rome, Italy, 19-24 November, 2018; presenting the study “Stock Assessment of Common Cuttlefish in GSA 17. Update 2018”.

### International Council for the Exploration of the Sea (ICES)

**ICES, Second Workshop on Lists of Commercial Fish and Shellfish species for reporting of MSFD D3 (WKD3Lists2).** Online and at ICES HQ, on 30 May–2 June 2022

**ICES, Workshop on guidelines for reference points (WKREF2).** Online meeting, 11-13 January 2022

## Attendance at relevant conferences and working groups

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### Others

**Scientific, Technical and Economic Committee for Fisheries of the European Commission (STECF) EWG 22-16: Stock Assessment in the Adriatic, Ionian and Aegean Sea 2022.** Rome, 10-16 october 2022.

**ECSA 59 – Using the best scientific knowledge for the sustainable management of estuaries and coastal seas.** San Sebastian (Spain), 5-8 september 2022

**2020 International Forum on the Effects of Climate Change on Fisheries and Aquaculture -** FAO-HQs, Rome, Italy, 25-26 February 2020

**BIOVOICES Regional Mobilisation and Mutual Learning Workshop “Bioeconomy as an opportunity for regional development based on territorial resources in APULIA” -** University of Bari Aldo Moro, Bari (Italy), 19th of March 2019; presenting the speech “ Small Scale Fisheries: opportunities from the sea”

**Cephalopod International Advisory Council Conference (CIAC 2018),** St. Petersburg (USA), 12-16 November 2018 (Participation by remote); presenting the poster “. Embryonic development of the upper beak in *Octopus vulgaris* Cuvier, 1797: Implications in ageing accuracy”

**YOUMARES 8 Conference for Young Marine Researchers.** Kiel (Germany), 13-15 September 2017 (Participation by remote); presenting the poster “Embryonic development of the upper beak in *Octopus vulgaris* Cuvier, 1797: Implications in ageing accuracy”

## Participation to Oceanographic surveys

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**SoleMon beam trawl survey 2022 -** R/V: G. Dallaporta; 22 november- 10 december 2022.

Duties: biological samplings of species of commercial interest and responsible of the procedure for data collection in digital format

**SoleMon beam trawl survey 2021 -** R/V: G. Dallaporta; 27 november- 19 december 2021.

Duties: biological samplings of species of commercial interest and responsible of the procedure for data collection in digital format

**SoleMon beam trawl survey 2020 -** R/V: G. Dallaporta; 3 december- 16 december 2020.

Duties: biological samplings of species of commercial interest

**SoleMon beam trawl survey 2019 -** R/V: G. Dallaporta; 25 november- 2 december 2019.

Duties: biological samplings of species of commercial interest

**SoleMon beam trawl survey 2018 -** R/V: G. Dallaporta; 25 november- 4 december 2018.

Duties: biological samplings of species of commercial interest

**PECAN 17 acoustic survey in the Canary Islands -** R/V: Á. Alvariño; 30 september – 8 october 2017

Duties: assistant at echosounder analysis

**SoleMon beam trawl survey 2016-** R/V: G. Dallaporta; 20-28 november 2016

Duties: sampling of macrozoobenthic assemblages

## Tutoring Activities

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**Tutor of the trainee** Graziano Vaccari at the National Research Council of Ancona. Msc. course in Marine biology, University of Ancona, academic year 2021-2021.

**Co- tutor of the Master thesis** “Assessment of *Sepia officinalis* population structure in the Adriatic Sea, to support stock assessment and sustainable management of the resource”. Msc. course in Marine biology, University of Bologna, academic year 2021-2022. Student: Nicola Parente.

**Co- tutor of the Master thesis** “Analysis of fishing effort in the Northern Adriatic Sea through AIS data in order to define spatial limits for the proposed "Sole Sanctuary"”. Msc. course in Marine biology, University of Bologna, academic year 2018-2019. Student: Pasquale Buonomo.

**Co- tutor of the Master thesis** “Studio sulla sopravvivenza di esemplari di *Solea solea* (Linnaeus, 1758) catturati con il Rapido in Adriatico centro-settentrionale”. Msc. course in Marine biology, University of Bologna, academic year 2018-2019. Student: Francesca Luzi.

# Publications

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## Papers

- Pulcinella, J., **Armelloni, E. N.**, Ferrà, C., Scarcella, G., and Tasseti, A. N.: Deep-water red shrimp fishery in the Eastern-Central Mediterranean Sea: AIS-observed monthly fishing effort and frequency over four years, *Earth Syst. Sci. Data Discuss.* 2023, <https://doi.org/10.5194/essd-15-809-2023>.
- Coro, G., Bove, P., **Armelloni, E. N.**, Masnadi, F., Scanu, M., and Scarcella, G. 2022. Filling Gaps in Trawl Surveys at Sea through Spatiotemporal and Environmental Modelling. *Frontiers in Marine Science*. <https://www.frontiersin.org/articles/10.3389/fmars.2022.919339/abstract>
- Coro, G., Tasseti, A.N., **Armelloni, E. N.**, Pulcinella, J., Ferrà, C., Sprovieri, M., Trincardi, F., Scarcella, G., 2022. COVID-19 lockdowns reveal the resilience of Adriatic Sea fisheries to forced fishing effort reduction, *Scientific Reports*, 12: 1052. Nature Publishing Group. <https://www.nature.com/articles/s41598-022-05142-w>
- Angelini, S., **Armelloni, E. N.**, Costantini, I., De Felice, A., Isajlović, I., Leonori, I., Manfredi, C., et al. 2021. Understanding the Dynamics of Ancillary Pelagic Species in the Adriatic Sea. *Frontiers in Marine Science*, 8. <https://doi.org/10.3389/fmars.2021.728948>
- Armelloni, E. N.**, Scanu, M., Masnadi, F., Coro, G., Angelini, S., and Scarcella, G. 2021. Data Poor Approach for the Assessment of the Main Target Species of Rapido Trawl Fishery in Adriatic Sea. *Frontiers in Marine Science*, 8. [www.frontiersin.org](https://www.frontiersin.org) (Accessed 6 August 2021). 10.3389/fmars.2021.552076
- Armelloni, E. N.**, Tasseti, A. N., Ferrà, C., Galdelli, A., Scanu, M., Mancini, A., Fabi, G., and Scarcella, G. 2021. AIS data, a mine of information on trawling fleet mobility in the Mediterranean Sea. *Marine Policy*, 129. 10.1016/j.marpol.2021.104571
- Masnadi F, **Armelloni E N**, Guicciardi S, Pellini G, Raicevich S, Mazzoldi C, Scanu M, Sabatini L, Tasseti A N, Ferrà C, Grati F, Bolognini L, Domenichetti F, Cacciamani R, Calì F, Polidori P, Fabi G, Luzi F, Giovanardi O, Bernarello V, Pasanisi E, Franceschini G, Breggion C, Bozzetta B, Sambo A, Prioli G, Gugnali A, Piccioni E, Fiori F, Caruso F, Scarcella G. 2020. Relative survival scenarios: an application to undersized common sole (*Solea solea* L.) in a beam trawl fishery in the Mediterranean Sea. *ICES Journal of Marine Science*, 77: 2646–2655. 10.1093/icesjms/fsaa128
- Ferrà, C., Tasseti, A. N., **Armelloni, E. N.**, Galdelli, A., Scarcella, G., and Fabi, G. 2020. Using AIS to Attempt a Quantitative Evaluation of Unobserved Trawling Activity in the Mediterranean Sea. *Frontiers in Marine Science*, 7: 1036. *Frontiers*. <https://www.frontiersin.org/articles/10.3389/fmars.2020.580612/full> (Accessed 27 November 2020).
- Armelloni, E. N.**, Lago-Rouco, M. J., Bartolomé, A., Felipe, B. C., Almansa, E., and Perales-Raya, C., 2020. Exploring the embryonic development of upper beak in *Octopus vulgaris* Cuvier, 1797: New findings and implications for age estimation. *Fisheries Research*, 221: 105375. <https://linkinghub.elsevier.com/retrieve/pii/S0165783619302309>.
- ## Conference papers, posters and software
- Galdelli, A., **Armelloni, E. N.**, Ferrà, C., Pulcinella, J., Scarcella, G., Tasseti, A. N.. (2021). R4AIS: an R workflow to process AIS data for fishery (v1.0.2). Zenodo. <https://doi.org/10.5281/zenodo.4761890>
- Galdelli, A., Mancini, A., Tasseti, A. N., Ferrà Vega, C., **Armelloni, E.**, Scarcella, G., Fabi, G., et al. 2019. A Cloud Computing Architecture to Map Trawling Activities Using Positioning Data. Volume 9: 15th IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications. American Society of Mechanical Engineers. <https://asmedigitalcollection.asme.org/IDETC-CIE/proceedings/IDETC-CIE2019/59292/Anaheim, California, USA/1070321>.
- Armelloni, E.N.**, Lago-Rouco, M.J., Bartolomé, A., Felipe B.C., Almansa, E., Perales-Raya, C., 2018. Embryonic development of the upper beak in *Octopus vulgaris* Cuvier, 1797: Implications in ageing accuracy, conference poster at Cephalopod International Advisory Council Conference (CIAC 2018), St. Petersburg (USA), 12-16/11/2018.
- Armelloni, E.N.**, Lago-Rouco, M.J., Bartolomé, A., Almansa, E., Scarcella, G., Perales-Raya, C., 2017. Ontogeny of upper beak in *Octopus vulgaris* Cuvier, 1797, conference poster at YOUNMARES 8 Conference for Young Marine Researchers. Kiel (Germany), 13-15 September 2017. DOI: 10.13140/RG.2.2.11116.67201.



# Publications

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## Stock assessment forms

**Armelloni E.N.**, Masnadi F., Scanu M., Santojanni A., Martinelli M., Fortibuoni T., Polidori P., Pellini G., Ferrà C., Angelini S., Fabi G., Sabatini L., Giovanardi O., Raicevich S., Marceta B., Milone N., Arneri E., Scarcella G., 2022. "Stock Assessment of common cuttlefish in GSA 17". Working Group on Stock Assessment of Demersal Species (WGSAD) - Central, Eastern Mediterranean and Adriatic Sea Stocks (WGSAD-C-E-AS). Online meeting, 24-28 January 2022

**Armelloni E.N.**, Masnadi F., Scanu M., Arneri E., Vrgoč N., Piccinetti C., Manfredi C, Isajlovic I., Milone N., Scarcella G., 2021. "Stock Assessment of *Lophius budegassa* in GSA 17". Working Group on Stock Assessment of Demersal Species (WGSAD) - Central, Eastern Mediterranean and Adriatic Sea Stocks (WGSAD-C-E-AS). Online meeting, 25-30 January 2021.

**Armelloni E.N.**, Masnadi F., Scanu M., Santojanni A., Martinelli M., Fortibuoni T., Polidori P., Pellini G., Ferrà C., Angelini S., Fabi G., Sabatini L., Giovanardi O., Raicevich S., Marceta B., Milone N., Arneri E., Scarcella G., 2021. "Stock Assessment of common cuttlefish in GSA 17". Working Group on Stock Assessment of Demersal Species (WGSAD) - Central, Eastern Mediterranean and Adriatic Sea Stocks (WGSAD-C-E-AS). Online meeting, 25-30 January 2021.

**Armelloni E.N.**, Masnadi F., Scanu M., Santojanni A., Martinelli M., Fortibuoni T., Polidori P., Pellini G., Ferrà C., Angelini S., Fabi G., Sabatini L., Giovanardi O., Raicevich S., Marceta B., Milone N., Arneri E., Scarcella G., 2020. "Stock Assessment of common cuttlefish in GSA 17". Working Group on stock assessment of Demersal Species (WGSAD), Scientific Advisory Committee on Fisheries (SAC). GFCM and FAO headquarters, Rome, Italy, 9-14 December 2019.

Masnadi F., **Armelloni E. N.**, Scanu M., Donato F., Martinelli M., Pellini G., Sabatini L., Ferrà C., Grati F., Angelini S., Polidori P., Santojanni A., Colella S., Giovanardi O., Raicevich S., Fortibuoni T., Fabi G., Marceta B., Vrgoč N., Isajlovic I., Milone N., Arneri E., Scarcella G. . 2020. "Stock Assessment of common sole (*Solea solea*) in GSA 17". Working Group on stock assessment of Demersal Species (WGSAD), Scientific Advisory Committee on Fisheries (SAC). GFCM and FAO headquarters, Rome, Italy, 9-14 December 2019.

Scanu M., Masnadi F., **Armelloni E. N.**, Polidori P., Pellini G., Ferrà C., Salvalaggio V., Montagnini L., Grati F., Angelini S., Santojanni A., Colella S., Donato F., Martinelli M., Giovanardi O., Raicevich S., Sabatini L., Franceschini G., Fortibuoni T., Marceta B., Fabi G., Spedicato M.T., Bitetto I., Romagnoni G., Ikika Z., Kule M., Milone N., Arneri E., Scarcella G. *Submitted*. "Stock Assessment of mantis shrimp in GSA 17". Working Group on stock assessment of Demersal Species (WGSAD), Scientific Advisory Committee on Fisheries (SAC). GFCM and FAO headquarters, Rome, Italy, 9-14 December 2019.

Giovanni Romagnoni. Bitetto I.; Zupa W.; Lembo G.; Spedicato M.T., Carbonara P., Scanu M., **Armelloni E.**, Masnadi F., Arneri E., Milone N. Stock Assessment of mantis shrimp in GSA 18. Working Group on stock assessment of Demersal Species (WGSAD), Scientific Advisory Committee on Fisheries (SAC). GFCM and FAO headquarters, Rome, Italy, 9-14 December 2019.

**Armelloni, E.N.**, Masnadi F., Scanu M., Grati F., Bolognini L., Polidori P., Pellini G., Vega C., Strafella P., Angelini S., Cacciamani R., Calì F., Colella S., Croci C., Domenichetti F., Donato F., Panfilì M., Santojanni A., Martinelli M., Tesauro C., Leonetti M., Giovanardi O., Raicevich S., Sabatini L., Franceschini G., Fortibuoni T., Vrgoč N., Isajlovic I., Despalatovic M., Cvitković N., Marceta B., Fabi G., Scarcella G. 2019. "Stock Assessment of common cuttlefish in GSA 17". Working Group on stock assessment of Demersal Species (WGSAD), Scientific Advisory Committee on Fisheries (SAC). GFCM and FAO headquarters, Rome, Italy, 19-24 November 2018.

Scanu, M., **Armelloni E.N.**, Masnadi F., Grati F., Bolognini L., Polidori P., Pellini G., Vega C., Strafella P., Angelini S., Cacciamani R., Calì F., Colella S., Croci C., Domenichetti F., Donato F., Panfilì M., Santojanni A., Martinelli M., Tesauro C., Leonetti M., Giovanardi O., Raicevich S., Sabatini L., Franceschini G., Fortibuoni T., Vrgoč N., Isajlovic I., Despalatovic M., Cvitković N., Marceta B., Fabi G., Scarcella G. *Submitted*. "Stock Assessment of caramote prawn in GSA 17". Working Group on stock assessment of Demersal Species (WGSAD), Scientific Advisory Committee on Fisheries (SAC). GFCM and FAO headquarters, Rome, Italy, 19-24 November 2018

Masnadi, F., **Armelloni E. N.**, Scanu M., Polidori P., Pellini G., Ferrà C., Punzo E., Santelli A., Strafella P., Salvalaggio V., Montagnini L., Grati F., Angelini S., Santojanni A., Panfilì M., Cacciamani R., Calì F., Domenichetti F., Tesauro C., Colella S., Croci C., Donato F., Martinelli M., Leonetti M., Giovanardi O., Raicevich S., Sabatini L., Franceschini G., Fortibuoni T., Marceta B., Fabi G., Scarcella G. *Submitted*. "Stock Assessment of mantis shrimp in GSA 17". Working Group on stock assessment of Demersal Species (WGSAD), Scientific Advisory Committee on Fisheries (SAC). GFCM and FAO headquarters, Rome, Italy, 19-24 November 2018

# Publications

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## Technical reports

Tassetti A.N., **Armelloni E.N.**, Ferrà C., Pulcinella J., Scarcella G. "Identification and mapping of bottom trawl fishing grounds for deepwater red shrimp in the Eastern-Central Mediterranean Sea (GSAs 12-16, 18-27)". Interim technical report for the project MTF /INT/943/MUL under the General Fisheries Commission for the Mediterranean (GFCM)– Baby 30 - Select activities of the mid-term strategy towards the sustainability of fisheries and the strategy for sustainable aquaculture development implemented in the Mediterranean And Black Sea

Scarcella G., Masnadi F., **Armelloni E.N.**, Guicciardi S., 2019. Sopravvivenza della Sogliola comune nel Mare Adriatico - Rapporto sulle osservazioni condotte nell'anno 2018 circa le probabilità di sopravvivenza di individui sotto la MCRS per la specie *Solea solea* in seguito alla cattura con attrezzo Rapido. Ad interim report per la convenzione CUP J53C17000540001, WP8 "MONITORAGGIO ATTUAZIONE DEI PIANI DI GESTIONE DELLE SPECIE DEMERSALI NELLE AREE MARITTIME ITALIANE PER L'ANNO 2018 E VALUTAZIONE SOPRAVVIVENZA SOGLIOLA"

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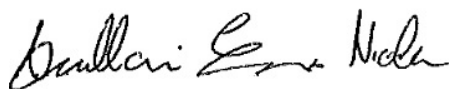
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Enrico Nicola Armelloni