

# **Curriculum Vitae of Dr. VALERIO SBRAGAGLIA**

(Updated on 5 Jul 2016)

**Date of birth:** 14 December 1983

**Nationality:** Italian

**Affiliation:** Department of Renewable Resources, Marine Science Institute (ICM), Spanish National Research Council (CSIC, <http://www.icm.csic.es/>).

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**Web:** <http://scholar.google.es/citations?user=O25-tKwAAAAJ&hl=es&oi=ao>

**Web:** [http://www.researchgate.net/profile/Valerio\\_Sbragaglia](http://www.researchgate.net/profile/Valerio_Sbragaglia)

## **RESEARCH INTERESTS:**

Chronobiology, behavioral ecology, technological solutions for behavioural tracking of marine organisms, underwater observations of animal behavior.

## **CURRENT & PAST COLLABORATORS:**

- Prof. H. O. de la Iglesia (University of Washington, Seattle, USA)
- Dr. T. Breithaupt (University of Hull, UK)
- Ass. Prof. V. Ketmaier (University of Potsdam, Germany)
- Dr. J.J. Chiesa (CONICET, Argentina)
- Dr. J. Aguzzi (Marine Science Institute, Spain)
- Prof. Dr. F. Sardà (Marine Science Institute, Spain)
- Drs. C. Costa & P. Menesatti (Agriculture Research Council, Italy)
- Profs. S. Gomaritz & J. Del Rio (Polytechnic University of Catalunya, Spain)
- Prof. G. Nascetti (Tuscia University, Italy)
- Dr. S. Mattiucci (La Sapienza University, Italy)
- Dr. S. Cerioni (Italian Fishery Research and Studies Center, Italy)
- E. Ingle (Insubria University, Italy)

## **EDUCATION:**

### **2012-2015**

Phd in Marine Science “Cum laude”

(Polytechnic University of Cataluña, Spain)

Thesis title: **Biological rhythms in the Norway Lobster (*Nephrops norvegicus* L.): Ecological modulation and genetic basis**

Supervisor: Dr. Jacopo Aguzzi

### **2010-2011**

Master (1 year) in aquaculture

(University of Barcelona, Polytechnic University of Cataluña, Autonomous University of Barcelona; Spain).

Thesis title: **Discrimination of different rhythmic behavioural patterns in *Nephrops norvegicus* (Linnaeus, 1758), a marine crustacean decapod of commercial interest**

Supervisor: Prof. Lourdes Reig; Dr. Jacopo Aguzzi

### **2006-2008**

Master (2 years) studies in Marine Environmental Science “Cum laude”

(University of Tuscia, Italy)

Thesis: **Some observations on *Squilla mantis* reared in controlled conditions at the Marine Experimental Center, Tarquinia’s saltern pond.**

Supervisors: Dr. Stefano Cerioni; Prof. Giuseppe Nascetti

### **2003-2005**

Bachelor (3 years) studies in Marine Environmental Science “Cum laude”

(University of Tuscia, Italy)

Thesis: **On the use of parasites of the genus *Anisakis* as biological tags of demersal and pelagic fish stock.**

Supervisors: Dr. Mattiucci Simonetta; Prof. Giuseppe Nascetti

## **GRANTS/AWARDS/ HONORS/ DISTINCTIONS:**

### **2008**

8 months pre-graduate fellowship (DECOS, Tuscia University, Italy)

### **2009**

3 years PhD fellowship (DECOS, Tuscia University, Italy)

*Position voluntary left for personal problems after one year*

### **2010**

6 months fellowship at the Institute of Marine Sciences, Barcelona-Spain (supported by ItaliaLavoro s.p.a. and Coop. Cypraea, Italy)

**2011**

4 years PhD fellowship (Institute of Marine Sciences, National Research Council of Spain, MICINN/MINECO - FPI program)

**2015**

Society of Experimental Biology travel grant ([SEBgrants](#))

**2016**

Leibniz-DAAD postdoctoral Fellowship (<https://www.daad.org/leibnizdaad>)

**PARTICIPATION IN RESEARCH PROJECTS**

1. TITLE OF THE PROJECT: Development of genomic tools for assessing nutrition, growth and reproduction issues in farmed crustacean species  
FUNDING: FP7-PEOPLE-2013-IRSES (n° 612296)  
DURATION: November 2011 - October 2017  
PRINCIPAL INVESTIGATOR: Dr. Joan B.Company and Dr. G.Rotllant (ICM-CSIC)  
AMOUNT OF MONEY: 42.000,00 €
2. TITLE OF THE PROJECT: Physiological rhythms and habitat influences in deep water marine crustaceans (RITFIM)  
FUNDING: MICINN: CTM2010-16274  
DURATION: January 2010 - December 2013  
PRINCIPAL INVESTIGATOR: Dr. Jacopo Aguzzi (ICM-CSIC)  
AMOUNT OF MONEY: 179.000,00 €
3. TITLE OF THE PROJECT: A network of submarine acoustic sensors to track species of commercial interest (RESBAC)  
FUNDING: MICINN (TRA2009\_0294)  
DURATION: January 2010 - December 2012  
PRINCIPAL INVESTIGATOR: Dr. A. M`manuel (UPC)  
AMOUNT OF MONEY: 159.115,00 €

### **IN PREPARATION PAPERS:**

16. **V. Sbragaglia**, R. Edge, T. Breithaupt, Briffa M. Personality in the crayfish *Pacifastacus leniusculus*: does it relate to dominance rank and locomotor activity? (*In preparation*)
15. **V. Sbragaglia**, D. Leiva, J.A. García, A. Arias, J. Aguzzi, T. Breithaupt. The formation and maintenance of a dominance hierarchy in *Nephrops norvegicus* (Crustacea: Decapoda): A multilevel longitudinal modelling approach (*in preparation for Proceeding of Royal Society of London, B*)

### **SUBMITTED PAPERS:**

14. J. Nuñez, **V. Sbragaglia**, J.A. García, J.B. Company, J. Aguzzi. Preliminary insight on the behavioral patterns of the deep-sea crab *Geryon longipes* (under review in *Deep Sea Research Part I*)

### **PUBLISHED PAPERS:**

#### **2015**

13. **V. Sbragaglia**, F. la Manna, A.M. Mat, G. Rotllant, S. Joly, V. Ketmaier, H.O de la Iglesia, J. Aguzzi. Identification, characterization, and diel pattern of expression of canonical clock genes in *Nephrops norvegicus* (Crustacea: Decapoda) eyestalk. *PlosOne* 10(11): e0141893.
12. **V. Sbragaglia**, J.A. García, J.J. Chiesa, J. Aguzzi. Effect of simulated tidal currents on burrow emergence rhythms of the Norway lobster (*Nephrops norvegicus*). *Marine Biology* 162: 2007-2016
11. J. Aguzzi, C. Doya, S. Tecchio, F.C. De Leo, E. Azzurro, C. Costa, **V. Sbragaglia**, J. Del Río, J. Navarro, H.A. Ruhl, J.B. Company, P. Favali, A. Purser, L. Thomsen, I.A. Catalán. Coastal observatories for monitoring of fish behavior and their responses to environmental changes. *Reviews in Fish Biology and Fisheries* 1-21
10. D. Sarriá, **V. Sbragaglia**, S. Gomáriz, J.A. García, C. Artero, J. Aguzzi, F. Sardà, A. Mánuel. Light and current generation system for measuring the behaviour of the Norway lobster. *Measurement* 69:180-188.
9. J. Aguzzi, **V. Sbragaglia**, S. Tecchio, J. Navarro, J.B. Company. Rhythmic behaviour of marine benthopelagic species and the synchronous dynamics of benthic communities. *Deep-Sea Research I* 95:1-11.
8. G. Rotllant, J. Aguzzi, D. Sarria, E. Gisbert, **V. Sbragaglia**, J. Del Río, C.G. Simeó, A. Mánuel, E. Molino, C. Costa, F. Sardà. Pilot acoustic tracking study on adult spiny lobsters (*Palinurus mauritanicus*) and spider crabs (*Maja squinado*) within an artificial reef. *Hydrobiologia* 742: 27-38

## 2013

7. **V. Sbragaglia**, J. Aguzzi, J.A. García, J.J. Chiesa, C. Angelini, F. Sardà. Dusk but not dawn burrow emergence rhythms of *Nephrops norvegicus* (Crustacea: Decapoda). *Scientia Marina* 77: 641-647.
6. J. del Río, J. Aguzzi, C. Costa, P. Menessati, **V. Sbragaglia**, M. Nogueras, F. Sardà, A. Mànuel. A new colorimetrically-calibrated automated video-imaging protocol for the day-night fish counting at the OBSEA coastal cabled observatory. *Sensors* 13: 14740-14753.
5. J. Aguzzi, **V. Sbragaglia**, G. Santamaría, J. Del Río, F. Sardà, M. Nogueras, A. Manuel. Daily activity rhythms in temperate coastal fishes: insights from cabled observatory video monitoring. *Marine Ecology Progress Series* 486: 223-236.
4. **V. Sbragaglia**, J. Aguzzi, J.A. García, D. Sarriá, S. Gomariz, C. Costa, P. Menesatti, M. Vilaró, A. Manuel, F. Sardà. An automated multi-flume actograph for the study of behavioral rhythms of burrowing organisms. *Journal of Experimental Marine Biology and Ecology* 446: 177-185.
3. E. Katoh, **V. Sbragaglia**, J. Aguzzi, T. Breithaupt. Sensory biology and behaviour of *Nephrops norvegicus*. In: Johnson M., Johnson M. (eds), The ecology and biology of *Nephrops norvegicus*. *Advances in Marine Biology* 64: 65-106.

## 2012

2. A. Aguzzi, A.J. Jamieson, T. Fujii, **V. Sbragaglia**, C. Costa, P. Menesatti, Y. Fujiwara. Shifting feeding behaviour of deep-sea buccinid gastropods at natural and simulated food falls. *Marine Ecology Progress Series* 458: 247-253.

## 2011

1. J. Aguzzi, **V. Sbragaglia**, D. Sarriá, J.A. García, C. Costa, J. Río, A. Mànuel, P. Menesatti, F. Sardà. A new laboratory radio frequency identification (RFID) system for behavioural tracking of marine organisms. *Sensors* 9532-9548.

### **PUBLISHED PAPERS (no impact factor):**

2. G. Santamaría, J. Aguzzi, **V. Sbragaglia**, J. Del Río, M. Nogueras, A. Manuel, F. Sardà. Long term monitoring of day-night fish assemblage at OBSEA. *Proceeding of the 5th MARTECH International Workshop On Marine Technology*, Girona, Spain 9-11 October 2013 (ISSN: 1886-4864; URI: <http://hdl.handle.net/2099/13907>; ISBN: 13: 978-84-616-5764-3).
1. J. Del Rio, J. Aguzzi, A. Hidalgo, A. Manuel, M. Nogueras, **V. Sbragaglia**, F. Sardà. Citizen Science and marine community monitoring by video-cabled observatories: the OBSEA Citizen Science Project. *Proceedings of the International Symposium on Underwater Technology (IEEE)*, Tokyo, Japan 5-8 March 2013 (ISBN: 978-1-4673-5948-1; DOI: 10.1109/UT.2013.6519842)

### **CONFERENCE PARTECIPATIONS (Oral communications)**

6. **V. Sbragaglia**, J. Aguzzi, J.A. García, A. Arias, T. Breithaupt. The effect of agonistic interactions on the burrow emergence rhythm of the Norway lobster (*Nephrops norvegicus* L.). *Annual meeting of the Society of Experimental Biology*, Manchester 1-4 July 2014.
5. **V. Sbragaglia**, J. Aguzzi, J.A. García, D. Sarriá, S. Gomariz, C. Costa, P. Menesatti, A. Manuel, A. Mechó, F. Sardà. The effect of water flow on Norway lobster burrow emergence. *40th CIESM Congress*, Marseille, France 28 October - 1 November 2013.
4. G. Santamaría, J. Aguzzi, **V. Sbragaglia**, J. Del Río, M. Nogueras, A. Manuel, F. Sardà. Long term monitoring of day-night fish assemblage at OBSEA. *Proceeding of the 5th MARTECH International Workshop On Marine Technology*, Girona, Spain 9-11 October 2013 (ISSN: 1886-4864; URI: <http://hdl.handle.net/2099/13907>; ISBN: 13: 978-84-616-5764-3).
3. **V. Sbragaglia**, J. Aguzzi, J.A. García, D. Sarriá, C. Costa, P. Menesatti, F. Sardà, S. Gomàriz, O. Chic, M. Vilaró, A. Manuel. Hydrodynamic entrainment of behavioral rhythms in the deep sea benthic organisms: *Nephrops norvegicus* (Crustacea: Decapoda) as a model. *X Colloquium Crustacea Decapoda Mediterranea (The Crustacean Society Summer Meeting)*, 3-7 June 2012 Athens-Greece.
2. D. Sarriá, E. Molino, A. Mánuel, J.A. García, G. Rotllant, E. Gisbert, F. Sardà, J. Aguzzi, **V. Sbragaglia**. Monitoring species in artificial reefs using acoustic communications. *International Workshop on Marine Technology (MARTECH)*, 22-23 September 2011 Cádiz-Spain.

1. C. Costa, J. Aguzzi, P. Menesatti, A. Mànuel, C. Boglione, D. Sarrià, J.A. García, F. Sardà, J. del Río, F. Antonucci, **V. Sbragaglia**, M. Rampacci, R. D'Ambra, S. Cataudella. Versatile application of RFID technology to commercial and laboratory research contexts: fresh fish supply-chain and behavioural tests. *International Workshop on Marine Technology (MARTECH)*, 22-23 September 2011 Cádiz-Spain.

#### **CONFERENCE PARTECIPATIONS (Posters)**

16. **V. Sbragaglia**, F. la Manna, A.M. Mat, G. Rotllant, S. Joly, V. Ketmaier, H.O de la Iglesia, J. Aguzzi. Identification, characterization, and diel pattern of expression of canonical clock genes in *Nephrops norvegicus* (Crustacea: Decapoda) eyestalk. *Gordon Research Conference in Chronobiology*, Girona, Spain, 28 June – 3 July 2015.
15. **V. Sbragaglia**, D. Leiva, J.A. García, A. Arias, J. Aguzzi, T. Breithaupt. The effect of a stable dominance hierarchy on the daily burrow emergence rhythm of *Nephrops norvegicus* (Crustacea: Decapoda). *Gordon Research Seminar in Chronobiology*, Girona, Spain, 27-28 June 2015.
14. G. Rotllant, V.T. Nguyen, **V. Sbragaglia**, D.A. Hurwood, J.B. Company, P.B. Mather. Potential sex specific markers for the Norway lobster *Nephrops norvegicus*. *B<sup>3</sup> 2014 symposium*, Big Biology and Bioinformatics, Queensland University of Technology, 24-25 November 2014.
13. **V. Sbragaglia**, J. Aguzzi, J.A. García, A. Arias, T. Breithaupt. The formation and maintenance of dominance hierarchies in *Nephrops norvegicus*: does it influence the burrow emergence rhythm? *XV Congreso Nacional y XII Iberoamericano de la Sociedad Española de Etología*, Barcelona, Spain, 3-5 September 2014.
12. T. Breithaupt, J. Yeomans, J. Case, **V. Sbragaglia**. Behavioural tendencies in the crayfish *Pacifastacus leniusculus*: does personality relate to dominance rank? *Annual meeting of the Society of Experimental Biology*, Manchester 1-4 July 2014.
11. J. Del Rio, J. Aguzzi, A. Hidalgo, A. Manuel, M. Nogueras, **V. Sbragaglia**, F. Sardà. Citizen Science and marine community monitoring by video-cabled observatories: the OBSEA Citizen Science Project. *International Symposium on Underwater Technology*, Tokyo, Japan 5-8 March 2013.
10. **V. Sbragaglia**, J. Aguzzi, G. Santamaria, A. Manuel, J. Del Rio, M. Nogueras, F. Sardà. The use of coastal cabled video-observatories to monitor seasonal changes in shallow water fish community. *International Symposium on Underwater Technology*, Tokyo, Japan 5-8 March 2013.
9. **V. Sbragaglia**, J. Aguzzi, J.A. García, M. Vilaró, F. Sardà, D. Sarrià, S. Gomáríz, A. Manuel, C. Costa, P. Menesatti, E. Ramirez-Llorda. Simulated deep sea

hydrodynamic benthic regimes modulate *Nephrops norvegicus* burrow emergence. *International Deep-Sea Biology Symposium*, Wellington, New Zealand 3-7 December 2012.

8. D. Sarriá, S. Gomáriz, C. Artero, A. Mánuel, J. Aguzzi, **V. Sbragaglia**, J.A. García, F. Sardà. A novel day-night and tide-simulating video-actographic system for studying the behaviour of *Nephrops norvegicus* (crustacea: decapoda). *X Colloquium Crustacea Decapoda Mediterranea (The Crustacean Society Summer Meeting)*, 3-7 June 2012 Athens-Greece.
7. **V. Sbragaglia**, J. Aguzzi, J.A. García, J.J. Chiesa, D. Sarriá, A. Manuel, J. Del Río, F. Sardà. Inter-individual variability of *Nephrops norvegicus* biological rhythms and implications on its population assessment. *World conference on marine biodiversity*, Aberdeen (Scotland - UK) 26-30 September 2011.
6. **V. Sbragaglia**, J. Aguzzi, J.A. García, J.J. Chiesa, D. Sarriá, A. Manuel, F. Sardà. Inter-individual variability of *Nephrops norvegicus* biological rhythms and its implications in stock assessment. *XI Latin American Symposium on Chronobiology*, 4-5 May 2011, Mexico.
5. **V. Sbragaglia**, J. Aguzzi, J.A. García, J.J. Chiesa, D. Sarriá, A. Manuel, F. Sardà, C. Costa. Behavioural phenotype plasticity in the Norway lobster, *Nephrops norvegicus* (L.), by new actographic methods. *ASAB Easter Conference, Anglia Ruskin University*, Cambridge (England - UK) 26-28 April 2011.
4. C. Paoloni, **V. Sbragaglia**, G. Nascetti, E. Ingle. Effects of diet and volume variations on *Paracentrotus lividus* (Lamarck) (Echinodermata:Echinoidea) larvae, cultured in controlled conditions. *40° Italian Marine Biology Society conference*, Livorno 26-29 Maggio 2009.
3. **V. Sbragaglia**, C. Paoloni, S. Cerioni, A. Buzzi, A. Ruggiero, M. Ciuffreda, E. Ingle, G. Nascetti. Investigations of *Squilla* mantis stored in controlled conditions. *40° Italian Marine Biology Society conference*, Livorno 26-29 Maggio 2009.
2. **V. Sbragaglia**, M. Paoletti, G. Nascetti, S. Mattiucci. Morphological plasticity in the copepod mesoparasite *Pennella* spp. (Siphostomatoidea: Pennellidae) as differential fish host adaptation? Evidence from molecular systematics". *XXV SOIPA Pisa*, Italy 18-21 June 2008.
1. S. C. Webb, S. Mattiucci, M.Paoletti, **V. Sbragaglia** and G. Nascetti. " On the occurrence of *Anisakis* spp. in fish and cetaceans from New Zealand waters of the Pacific Ocean: genetic identification and new host records". *VII International Symposium on Fish Parasites*, Viterbo (ISFP VII), Viterbo, Italy 24-28 September 2007.



### **PEER-REVIEWER:**

*Scientific Reports (1), Marine Genomics (1), Fisheries Research (1), Crustaceana (1), International Journal for RF Technologies Research and Applications (1)*

### **RESEARCH EXPERIENCE/VISITING INTERNSHIP:**

3. Visiting student at the department of Biological Sciences of the University of Hull, UK. **April-July 2014**. (Host: Dr. Thomas Breithaupt, [chemical ecology](#) and [sensory ecology](#) groups).
2. Visiting student at the Department of Biology of the University of Washington, Seattle, WA, United States of America. **September-December 2013**. (Host: Prof. H.O. de la Iglesia. De la Iglesia LAB - neural basis of biological rhythms - [delalglesia LAB](#))
1. Visiting student at the Department of Biochemistry and Biology of the University of Potsdam, Germany. **February-July 2012** (Host: Prof. Ralph Tiedemann and Dr. Valerio Ketmaier, <http://www.uni-potsdam.de/index.php?id=13504>)

### **TRAINING AND WORKSHOP**

- Theoretical ecology & ecosystem modeling. Instructor: Dr. Sergio Vallina. Marine Science Institute Barcelona, Spain. 16-20 February 2015.
- European PhD Summer School of Chronobiology. Berlin, Germany, 17-22 September 2012.
- Researcher collaborator in the frame of the project DOSMARES III on the R/V "Garcia del Cid", October 2012.
- Workshop on ornamental decapods crustacean aquaculture. Instructor: Dr. Ricardo Calado. Athens (Greece), 6 June 2012.
- Introduction to WinBUGS for Ecologists: A Bayesian approach to regression, ANOVA, mixed models and related analyses. Instructors: Dr. Mark Kéry and Dr. Viviana Ruiz-Gutiérrez. Natural History Museum of Barcelona (Spain), 12-16 December 2011.
- Canadian Healthy Ocean Network (CHONe): workshop on Seafloor Imaging Techniques and Applications. Aberdeen (Scotland), 24-25 September 2011.
- Aquaculture networking of Catalunya: First workshop on parasitological diseases in bivalves. University of Barcelona (Spain) 22 October 2010.
- Workshop on "Biomarkers and ecotoxicology of soil and other matrices: research and application". APAT, Rome (Italy), 16-17 January 2008.

- Researcher collaborator with University of Tuscia on oceanographic ship “Urania”. Research program: MEDGOOS-9. 27 May - 13 June 2005

- III National school on Soil and fresh water. University of Tuscia, Viterbo, Italy, September 2004.

### **INVITED PRESENTATIONS:**

5. **V. Sbragaglia.** Biological rhythms in the Norway lobster (*Nephrops norvegicus*). Lecture held at the University of Ferrara (Italy). (Hosts: Prof. Augusto Foa and Prof. Cristiano Bertolucci). 24 November 2015.
4. **V. Sbragaglia and J. Aguzzi.** Chair-invited member of the Working group on *Nephrops* Survey ([WGNEPS](#)) a multidisciplinary group of the International Council of Exploitation of the Sea ([ICES](#)); 10-13 November 2015.
3. **V. Sbragaglia.** Sensory biology of marine organisms. Lecture held during the 53° spearfishing course organized by the Spearfishing Association of Barcelona (<http://apsub.org/>). Barcelona, Spain, 21 May 2015.
2. **V. Sbragaglia.** Sensory biology of marine organisms. Lecture held during the 52° spearfishing course organized by the Spearfishing Association of Barcelona (<http://apsub.org/>). Barcelona, Spain, 3 March 2015.
1. **V. Sbragaglia.** The health state of wild species, possibilities to transmit diseases to farmed fish”. Conference organized by FIPSAS (Italian sporting fishing and underwater activities federation), Mola di Bari (BA) Italy, 31 October 2009.

### **ORGANIZATION AND MEMBERSHIPS:**

#### **2013-present**

- Member of the Society of Experimental Biology (<http://www.sebiology.org>)
- Member of the European Biological Rhythms Society ([www.ebrs-online.org](http://www.ebrs-online.org))
- Member of the committee of the Spearfishing Association of Barcelona (APS, Barcelona, Spain, <http://apsub.org>) and delegate of scientific activities.

#### **2010**

- “Le Saline tra Storia e Natura” (From saltern evaporation ponds area to research institute). Cultural events and scientific divulgation. Organized as president of Association “Artemia”. Visitants: 3000.

## 2009

- "Le Saline tra Storia e Natura" (From saltern evaporation ponds area to research institute). Cultural events and scientific divulgation. Organized as president of Association "Artemia". Visitants: 1000.

## 2007

- Member of the local organizing committee of the 7th International Symposium on Fish Parasites: "Fish Parasitology in the 21st Century: From Biodiversity and Ecosystem to Global Warming" (Viterbo, Italy, 24 - 28 September 2007).

### **MEDIA COVERAGE/DIVULGATION ARTICLES:**

10. **V. Sbragaglia.** The lateral line. 2014. Bulletin of spearfishing association of Barcelona, 292: 20-22.  
<http://apsub.org/?ddownload=1679>  
(pseudonym: "El Petac")
9. **V. Sbragaglia.** The right time for fishing. 2014. Bulletin of spearfishing association of Barcelona, 291: 30-32.  
<http://apsub.org/?ddownload=1416>  
(pseudonym: "El Petac")
8. **V. Sbragaglia.** Sensory biology of marine organisms. 2013. Bulletin of spearfishing association of Barcelona, 290: 44-47.  
<http://apsub.org/boletin/Boletin290-2013.pdf>  
(pseudonym: "El Petac")
7. Rapid guide about protected species of fishery interest. 2011. CIRSPE,  
<http://www.cirspe.it/pubblicazioni/1308909220.pdf> (Pictures contribution).
6. **V. Sbragaglia.** 2011. Biological aspects in Spearfishing. Pesca in apnea, 95: 72
5. **V. Sbragaglia.** 2010. Biological aspects in Spearfishing. Pesca in apnea, 94: 70
4. **V. Sbragaglia.** 2010. Biological aspects in Spearfishing. Pesca in apnea, 93: 75
3. M. Bardi, **V. Sbragaglia**, A. Ubaldi, E. Ingle. 2009. State-health-control of the wild-fish caught in the course of Spearfishing competitions. Il Pesce, 4: 98-102.
2. **V. Sbragaglia.** 2009. Underwater sports. Mareinitaly, 50: 48-50.
1. **V. Sbragaglia.** 2008. The evolution of the Spearfishing: Interview to Marco Bardi. Mareinitaly, 44: 22-24.

## **OTHER WORK ACTIVITIES:**

**16.** Type of contract: Data collection about recreational fishing of blue fin tuna (*Thunnun thynnus*) and swordfish (*Xiphias gladius*) in the Region Lazio.

Employer: Coop. Cypraea  
Date: **June-November 2016**  
Supervisor: Dr. Cerioni Stefano ([cerioni@libero.it](mailto:cerioni@libero.it))

**15.** Type of contract: Data collection about recreational fishing of blue fin tuna (*Thunnun thynnus*) and swordfish (*Xiphias gladius*) in central Italy

Employer: Coop. Cypraea  
Date: **June-November 2015**  
Supervisor: Dr. Cerioni Stefano ([cerioni@libero.it](mailto:cerioni@libero.it))

**14.** Type of contract: Data collection about recreational fishing of blue fin tuna (*Thunnun thynnus*) and swordfish (*Xiphias gladius*) in central Italy

Employer: Coop. Cypraea  
Date: **June-November 2014**  
Supervisor: Dr. Cerioni Stefano ([cerioni@libero.it](mailto:cerioni@libero.it))

**13.** Type of contract: Data collection about recreational fishing of blue fin tuna (*Thunnun thynnus*) and swordfish (*Xiphias gladius*) in central Italy

Employer: Coop. Cypraea  
Date: **June-November 2013**  
Supervisor: Dr. Cerioni Stefano ([cerioni@libero.it](mailto:cerioni@libero.it))

**12.** Type of contract: Expert advice for the use of living spiny lobsters during the movie "tres bodas de más". (Director: Javier Ruiz Caldera). Barcelona - Spain.

Date: **November 2012**

**11.** Type of contract: Data collection about recreational fishing of blue fin tuna (*Thunnun thynnus*) and swordfish (*Xiphias gladius*) in central Italy

Employer: Coop. Cypraea  
Date: **May-December 2012**  
Supervisor: Dr. Cerioni Stefano ([cerioni@libero.it](mailto:cerioni@libero.it))

**10.** Type of contract: Data collection about recreational fishing of blue fin tuna (*Thunnun thynnus*) in central Italy

Employer: Coop. Cypraea  
Date: **May-December 2011**  
Supervisor: Dr. Cerioni Stefano ([cerioni@libero.it](mailto:cerioni@libero.it))

**9.** Type of contract: Data collection about recreational fishing of blue fin tuna (*Thunnun thynnus*) in central Italy

Employer: Italian Fishery Research and Studies Center

- Date: **May-December 2010**  
Supervisor: Dr. Cerioni Stefano ([cerioni@cirspe.it](mailto:cerioni@cirspe.it))
- 8.** Type of contract: Scuba sampling of benthic organisms (Rome, Italy)  
Employer: Coop. COBI  
Date: **July 2010**  
Supervisor: Massimiliano Sardone ([massimiliano.sardone@alice.it](mailto:massimiliano.sardone@alice.it))
- 7.** Type of contract: Redaction of educational text about marine species of commercial interest (Rome, Italy)  
Employer: Association MAR  
Date: **February 2010**  
Supervisor: Castellano Massimo ([mar@pelagos.tv](mailto:mar@pelagos.tv))
- 6.** Type of contract: Redaction of educational text about the history of fishing (Rome, Italy)  
Employer: Association MAR  
Date: **February 2010**  
Supervisor: Castellano Massimo ([mar@pelagos.tv](mailto:mar@pelagos.tv))
- 5.** Type of contract: Data collection about recreational fishing of blue fin tuna (*Thunnun thynnus*) in central Italy  
Employer: Italian Fishery Research and Studies Center  
Date: **September-December 2009**  
Supervisor: Cerioni Stefano ([cerioni@cirspe.it](mailto:cerioni@cirspe.it))
- 4.** Type of contract: Data collection about recreational fishing of blue fin tuna (*Thunnun thynnus*) in central Italy  
Employer: Italian Fishery Research and Studies Center  
Date: **September-December 2008**  
Supervisor: Cerioni Stefano ([cerioni@cirspe.it](mailto:cerioni@cirspe.it))
- 3.** Type of contract: Teaching during the course “fishing, aquaculture, environmental, technology and legislation”  
Employer: Italian Fishery Research and Studies Center  
Date: **June 2008**  
Supervisor: Cerioni Stefano ([cerioni@cirspe.it](mailto:cerioni@cirspe.it))
- 2.** Type of contract: Volunteer coordinator in the frame of the project: “The health state of wild species, possibilities to transmit diseases to farmed fish. An environmental analysis”  
Employer: FIPSAS (Italian sporting fishing and underwater activities federation), IZSLT (Zoo-prophylactic experimental department of Lazio and Toscana), USL RM-F, University of Tuscia.  
Date: **2007-2010**  
Supervisor: Enrico Ingle ([e.ingle@email.it](mailto:e.ingle@email.it))

1. Type of contract: Data collection about recreational fishing of blue fin tuna (*Thunnun thynnus*) in central Italy  
Employer: Italian Fishery Research and Studies Center  
Date: **October-December 2007**  
Supervisor: Cerioni Stefano ([cerioni@cirspe.it](mailto:cerioni@cirspe.it))

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