

# SOCIB TEAM RESEARCH RECORD

## 2011 - 2016

*January 2017*



# SUMMARY

<b>SCIENTIFIC PUBLICATIONS .....</b>	<b>3</b>
PAPERS IN ISI PEER REVIEW JOURNALS .....	3
BOOKS, CHAPTERS OF BOOKS, REPORTS.....	6
<b>RESEARCH PROJECTS.....</b>	<b>9</b>
FUNDED BY THE EUROPEAN UNION .....	9
PRIVATE SECTOR RESEARCH AGREEMENTS .....	9
SOCIB INTERNAL PROJECTS .....	10
<b>CONFERENCES AND MAIN CONTRIBUTIONS TO SCIENTIFIC MEETINGS .....</b>	<b>10</b>
KEYNOTE LECTURES: .....	10
ORAL (COMMUNICATIONS AND INVITED TALKS).....	11
POSTERS.....	14
<b>TRAINING AT MSC, PHD, AND POSTDOCTORAL LEVEL .....</b>	<b>17</b>
PHD THESIS SUPERVISED BY SOCIB MEMBERS .....	17
MSC THESIS SUPERVISED BY SOCIB MEMBERS .....	17
POST-DOCTORAL CONTRACTS.....	17
STUDENT GRANTS AND INTERSHIPS .....	17
<b>OUTREACH AND ON LINE SCIENCE-SOCIETY RESOURCES.....</b>	<b>18</b>

## Scientific publications

### Papers in ISI peer review journals

#### 2016

1. Alvarez-Berastegui D., Hidalgo J.M., Tugores M.P., Aparicio A., Ciannelli L., Reglero P., Balbín R., Juza M., Mourre B., Pascual A., Lopez-Jurado J.L., García A., Rodriguez JM, Tintoré J., Alemany F. 2016. Pelagic seascape ecology for operational fisheries oceanography: modeling and predicting spawning distribution of Atlantic bluefin tuna in western Mediterranean. *ICES Journal of Marine Science* 73, 1851-1862. doi: 10.1093/icesjms/fsw041.
2. Lana, A., Marmain, J. Marmain, V. Fernández, J. Tintoré, and A. Orfila. Wind influence on surface current variability in the Ibiza Channel from HF Radar. *Ocean Dynamics* (2016) 66: 483. doi:10.1007/s10236-016-0929-z
3. Del Valle, L., Gómez-Pujol, L., Fornós, J.J., Timar-Gabor, A., Anechitei-Deacu, A., Pomar, F. 2016. Middle to Late Pleistocene dunefields in rocky coast setting at Cala Xuclar (Eivissa, Western Mediterranean): Recognition, architecture and luminescence chronology. *Quaternary International*, 407: 3-13. DOI: 10.1016/j.quaint.10.6.01.050.
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## Books, chapters of books, reports

## 2016

1. Del Valle, L., Pomar, F., Fornós, J.J., **Gómez-Pujol, L.**, Anechitei-Deacu, V., Timar-Gabor, A. 2016. Implicaciones geomorfológicas del registro sedimentario de la costa occidental de Eivissa (Mediterráneo occidental). In Durán, J.J., Montes, M., Robador, A., Salazar, A. (eds.). Comprendiendo el relieve, del pasado al futuro: 475-481. IGME, Madrid. ISBN-978-84-9138-013-9.

2. Pomar, F., Del Valle, L., Fornós, J.J., **Gómez-Pujol, L.** 2016. Procesos de transporte en pequeñas cuencas costeras de las Illes Balears: observaciones sobre sus condicionantes litológicos y estructurales. In Durán, J.J., Montes, M., Robador, A., Salazar, A. (eds.). Comprendiendo el relieve, del pasado al futuro: 431-438. IGME, Madrid. ISBN-978-84-9138-013-9.

## 2015

3. Gómez-Pujol, L. 2015. Biogenic sediment. In Kennish, M.J. (ed). Encyclopedia of Estuaries: 81-81. Springer, Dordrecht, DOI: 10.1007/978-94-017-8801-4.
4. Gómez-Pujol, L. 2015. Submerged coasts. In Kennish, M.J. (ed). Encyclopedia of Estuaries: 650-651. Springer, Dordrecht, DOI: 10.1007/978-94-017-8801-4.
5. Ruiz, S., A. Pascual, B. Casas, P. Poulaïn, A. Olita, C. Troupin, M. Torner, J.T. Allen, A. Tovar, B. Mourre, A. Massanet, M. Palmer, F. Margirier, P. Balaguer, C. Castilla, M. Claret, A. Mahadevan, J. Tintoré, 2015. Report on operation and data analysis from Multi-platform synoptic intensive experiment (ALBOREX), PERSEUS Project, 120pp., ISBN: 978-960-9798-13-6.

## 2014

6. Gómez-Pujol, L., Pérez-Alberti, A., Blanco, R., Costa, S., Neves, M. Del Ríol, L.. The Rock Coast of Continental Europe in the Atlantic. In Kenedy, D., Stephenson, W.J., Naylor, L. (eds). Rocky Coast Geomorphology: A Global Synthesis: 89-122. Geol. Soc. London, London, DOI: 10.1140/M40.7.2014
7. Pappalardo, M., Furlani, S., Gómez-Pujol, L., Debrat, M. The Rock Coast of the Mediterranean and Black seas. In Kenedy, D., Stephenson, W.J., Naylor, L. (eds). Rocky Coast Geomorphology: A Global Synthesis: 77-87. Geol. Soc. London, London, DOI: 10.1140/M40.6.
8. Sayol, J.M.; P. Balaguer; D. Conti; A. Rietz; M. García-Sotillo; J. Tintoré; A. 2014. Orfila Towards an Integrated oil spill system: from modelling to the decision support tool. Oil Spills: environmental issues, prevention and ecological impacts (Environmental health, physical, chemical and biological factor) Nova Science Publishers, Inc.1 (3 ), pp. 67-86, ISBN.978-1-63321-548-1.
9. Pomar, F., Fornós, J.J., Gómez-Pujol, L., del Valle, L. 2014. Condicionantes litológicos y estructurales en depósitos de abanico aluvial: caracterización de procesos mediante morfoscopia de clastos. In Schnabel, S., Gómez, A. (eds.). Avances de la Geomorfología en España 2012-2014: 592-595. Universidad de Extremadura, Cáceres. ISBN-978-84-617-1123-9.
10. Gómez-Pujol, L. 2014. De la costa al laboratorio: respuesta de superficies carbonatadas colonizadas y libres a oscilaciones ambientales. In Schnabel, S., Gómez, A. (eds.). Avances de la Geomorfología en España 2012-2014: 576-579. Universidad de Extremadura, Cáceres. ISBN-978-84-617-1123-9.
11. Fornós, J.J., Gómez-Pujol, L., Gracia, F. 2014. Una primera aproximación a las tasas de corrosión en la zona de mezcla de las cavidades subacuáticas costeras de Mallorca mediante tests de exposición de pastillas de rocas (WLRT). In Schnabel, S., Gómez, A. (eds.). Avances de la Geomorfología en España 2012-2014: 572-575. Universidad de Extremadura, Cáceres. ISBN-978-84-617-1123-9.

## 2013

12. Diedrich A., J. Tintoré. 2013. Socio-Economic and cultural objective setting for supporting the effective use of indicators for integrated management of ecosystems. In Integrated Coastal-zone risk management. In ICES Coop. res. report. Edts. R. Cormier, I. Davies, A. Kannen. No. 320,pp. 7-12. November 2013.
13. European Commission. 2013. Towards European Integrated Ocean Observation. Expert Group on Marine Research Infrastructures. Final Report. 96 pp. ISBN978-92-79-27319-3. doi: 10.2777/29343. Joaquín Tintoré member of the Expert Group (2010-2012) .
14. Pouliquen, S., Th. Carval, D. Guillotin, Th. Loubrieu, Ch. Coatanoan, A. Grouazel, K. Von Schuckmann, H. Wedhe, L. Sjur Ringheim, Th.Hammarklint, A.Hartman, K. Soetje, T. Gies, M. De Alfonso, L. Perivoliotis, D.Kassis, A. Chalkiopoulos, V. Marinova, P. Jaccard, A. B. Ledang, K. Sorensen, G. Notarstefano, J. Tintore, S. Kaitala, P. Roih, L. Rickards, G. Manzella. 2013. MyOcean In Situ TAC: A new in situ service for operational and research communities. Mercator Ocean—Coriolis Quarterly Newsletter - Special Issue. No. 48, pp. 3-9.
15. Tintoré, J. et al. 2013. The Impact of New Multi-platform Observing Systems in Science, Technology Development and Response to Society Needs; from Small to Large Scales. Computer Aided Systems Theory - EUROCAST 2013, Springer. Lecture Notes in Computer Science 8112, 341-348, doi:10.1007/978-3-642-53862-9\_44.

## 2012

16. Balaguer, P. 2012. Implicaciones de la Geomorfología en las Iniciativas de Gestión Integrada de la Zona Costera. En: Rodríguez-Perea, A., Pons, G.X., Roig-Munar, F.X., Martín-Prieto, J.Á., MirGual, M. y Cabrera, J.A. (eds.). La gestión integrada de playas y dunas: experiencias en Latinoamérica y Europa: Mon. Soc. Hist. Nat. Balears, 19: 45-60. ISBN: 978-84-616-2240-5. Palma de Mallorca.
17. del Valle, L., Fornós, J.J., Gómez-Pujol, L., Pomar, F. 2012. Sedimentación reciente y dinámica litoral en a bahía de Palma (Mallorca, Illes Balears): persistencia y dinámica de la contaminación sólida procedente de una antigua central eléctrica. In González Díez, A.

- (coord.). Avances de la Geomorfología en España: 363-366. Ediciones de la Universidad de Cantabria, Santander. ISBN-978-84-86116-54-5.
18. Fornós, J.J., Gómez-Pujol, L., Cifre, J., Hierro, F. 2012. Análisis morfológico de los primeros pasos en la alteración de calizas mediante microscopía de fuerzas atómicas (AFM) y microscopía electrónica de barrido (SEM). In González Díez, A. (coord.). Avances de la Geomorfología en España: 389-392. Ediciones de la Universidad de Cantabria, Santander. ISBN-978-84-86116-54-5.
  19. Fornós, J.J., Clemmensen, L., Gómez-Pujol, L., Ginés, A., Ginés, J. 2012. Pleistocene eolianites and low sea levels. In Ginés, A., Ginés, J., Gómez-Pujol, L., Onac, B.P., Fornós, J.J. (eds). 2012. Mallorca: A Mediterranean Benchmark for Quaternary Studies: 85-110. Mon. Soc. Hist. Nat. Balears, 18. Societat d'Història Natural de Balears. Palma.
  20. Fornós, J.J., Ginés, A., Ginés, J., Gómez-Pujol, L., Gràcia, F., Merino, A., Onac, B.P., Tuccimei, P., Vicens, D. 2012. Upper Pleistocene deposits and karst features in the littoral landscape of Mallorca Island (Western Mediterranean). In Ginés, A., Ginés, J., Gómez-Pujol, L., Onac, B.P., Fornós, J.J. (eds). 2012. Mallorca: A Mediterranean Benchmark for Quaternary Studies: 163-220. Mon. Soc. Hist. Nat. Balears, 18. Societat d'Història Natural de Balears. Palma.
  21. Ginés, A., Ginés, J., Fornós, J.J., Bover, P., Gómez-Pujol, L., Gràcia, F., Merino, A., Vicens, D. 2012. An Introduction to the Quaternary of Mallorca. In Ginés, A., Ginés, J., Gómez-Pujol, L., Onac, B.P., Fornós, J.J. (eds). 2012. Mallorca: A Mediterranean Benchmark for Quaternary Studies: 13-53. Mon. Soc. Hist. Nat. Balears, 18. Societat d'Història Natural de Balears. Palma.
  22. Ginés, A., Ginés, J., Gómez-Pujol, L., Onac, B.P., Fornós, J.J. (eds). 2012. Mallorca: A Mediterranean Benchmark for Quaternary Studies. ISBN 978-84-615-7918-1.
  23. Gómez-Pujol, L. 2012. Contribución al conocimiento del papel de las acumulaciones de Posidonia oceanica en la morfodinámica de las playas mediterráneas. In González Díez, A. (coord.). Avances de la Geomorfología en España: 327-330. Ediciones de la Universidad de Cantabria, Santander. ISBN-978-84-86116-54-5.
  24. Ministerio de Agricultura, Alimentación y Medio Ambiente, 2012. Documento técnico sobre impactos y mitigación de la contaminación acústica marina. Madrid. 146 pp. Joaquín Tintoré miembro del Grupo de Expertos Nacional de Ruidos Submarinos.
  25. Pouliquen, A., Proelss, R., Riethmüller, S., Ruiz, T., Sherwin, D., Smeed, L., Stemmann, K., Tikka, J., Tintoré, 2012. EGO: Towards a global glider infrastructure for the benefit of marine research and operational oceanography. Coriolis-Mercator, Special Issue #45.
  26. Pomar, F., Fornós, J.J., Gómez-Pujol, L., del Valle, L. 2012. Microformas de erosión por cianobacterias en rocas carbonatadas litorales y su relación con parámetros ambientales (Mallorca, Mediterráneo occidental). In González Díez, A. (coord.). Avances de la Geomorfología en España: 421-424. Ediciones de la Universidad de Cantabria, Santander. ISBN-978-84-86116-54-5.
  27. Tintoré, J., Vizoso, B., Casas, S., Ruiz, E., Heslop, L., Renault, T., Oguz, B., Garau, A., Pascual, M., Martínez-Ledesma, L., Gómez-Pujol, A., Álvarez-Ellacuría, A., Orfila, F., Alemany, D., Álvarez-Berastegui, P., Reglero, E., Massuti, P., Vélez-Belchí, J., Ruiz, M., Gómez, E., Álvarez, M., Manriquez. 2012. SOCIB the impact of new marine infrastructures in understanding and forecasting the Mediterranean Sea. N. 43 CIESM Workshops Monographs (F. Briand Ed.), 164 pages, Monaco. pp 99-118. In CIESM: Designing Med-SHIPS: a Program for repeated oceanographic surveys.

## 2011

28. Deudero, S., A. Box, A. Sureda, J. Tintoré, S. Tejada. 2011. Combining stable isotopes and biochemical markers to assess organic contamination in transplanted Mussels *Mytilus Galloprovincialis*. Mussels; Anatomy, hábitat and environmental impact. L. E. McGevin edt. Chapter 11. Nova Science Publishers ISBN 978-1-61761-763-8. 2011
29. Diedrich, A., Balaguer, P., Tintoré, J. Concepts, methods, and tools to support science-based decision-making in Integrated Coastal and Ocean Management: Examples from the Balearic Islands. ICZM as an Evolution of Territorial Planning&Governance (Joaquín Farinós, ed.). University of Valencia pp.89-110. 2011
30. Espeja, S., F. Navinés, A. Diedric2h, D. Carreras, J. Tintoré. Herramientas estratégicas de gestión integrada para conseguir la sostenibilidad en las Islas Baleares: La gestión integrada de las zonas costeras. Boletín de la Coyuntura económica de las Islas Baleares, julio 2011. Ed. Dirección General de Economía y Estadísticas, Gobierno de las Islas Baleares. España. pp 58-64. 2011
31. Gómez-Pujol, L., Orfila, A., Álvarez-Ellacuría, A., Cañellas, B., Tintoré, J. 2011. Evolución de la línea de costa en una playa urbana (s'Arenal, Mallorca): intervención antrópica y dinámica natural. In Montoya, I. (eds.). Avances Recientes en Geomorfología Litoral: 71-75. Universidad Rey Juan Carlos, Madrid. ISBN-13: 978-84-615-3982-6.
32. Gómez-Pujol, L., Roig, F.X., Balaguer, P., Mateu, J., Fornós, J.J. 2011. Textura, composición y procedencia del sedimento de las playas de Menorca (Islas Baleares). In Montoya, I. (eds.). Avances Recientes en Geomorfología Litoral: 43-46. Universidad Rey Juan Carlos, Madrid. ISBN-13: 978-84-615-3982-6.

## Research Projects

### Funded by the European Union

1. **MEDSEA Check Point:** Growth and innovation in ocean economy; gaps and priorities in sea basin observation and data.  
European Comission, DG for Maritime Affairs and Fisheries. Contract MARE/2012/11- Contract Number: SI2.658137. € 135.000 €  
PI@SOCIB: J. Tintoré Dates: 12/2013 – 06/2017
2. **ODIP2:** Extending the ocean data interoperability platform.  
European Commission, H2020  
PI@SOCIB: J.Tintoré Dates: 04/2015 – 03/2018
3. **COPERNICUS\_IN SITU TAC:** Copernicus Marine Environment Monitoring Service: IN SITU TAC  
European Comission, Main Contractor: MERCATOR  
PI@SOCIB: Joaquín Tintoré Dates: 04/2015 – 04/2018
4. **COPERNICUS\_MED MFC:** Copernicus Marine Environment Monitoring Service  
European Comission, Main Contractor: MERCATOR  
PI@SOCIB: Joaquín Tintoré Dates: 04/2015 – 04/2018
5. **MedSUB:** Understanding meso and submesoscale ocean interactions to improve Mediterranean CMEMS products. (CMEMS Service Evolution Call for Tender 21-SE-CALL1)  
PI@SOCIB: Joaquín Tintoré Dates: 05/2016 – 03/2018
6. **JERICO – NEXT:** Joint European Research Infrastructure network for Coastal operational Observatories.  
European Commission H2020. Project number 654.410.  
PI@SOCIB: J. Tintoré Dates: 09/2015 – 08/2019

### Private Sector Research Agreements

7. **MEDCLIC 1,** El Mediterráneo a un click. Nuevos sistemas de observación para la ciencia y la sociedad: más allá de la divulgación  
Fundació La Caixa  
IP@SOCIB: J. Tintoré Dates: 06/2014 – 11/2015
8. **Estudio morfodinámico de Cala Deià**  
Ayuntamiento de Deià  
IP@SOCIB: L. Gómez-Pujol Dates: 04/2015 – 12/2015
9. **MEDCLIC 2,** El Mediterráneo a un click. Nuevos sistemas de observación para la ciencia y la sociedad: más allá de la divulgación  
Fundació La Caixa  
IP@SOCIB: J. Tintoré Dates: 10/2015 – 10/2016
10. **MEDCLIC 3,** El Mediterráneo a un click. Nuevos sistemas de observación para la ciencia y la sociedad: más allá de la divulgación  
Fundació La Caixa  
IP@SOCIB: J. Tintoré Dates: 10/2016 – 10/2017
11. **JELLYFISH:** Convenio específico de colaboración entre el Consejo Superior de Investigaciones científicas, la Consejería de agricultura, medio ambiente y territorio del Gobierno de las Illes Balears, y el Consorcio Sistema de Observación y Predicción Costero de las Islas Baleares para establecer un Sistema de Observación y Predicción de Medusas en el Mar Balear  
Dates: 05/2015 – 12/2017 (Addenda)
12. **OCEANOGRAPHIC SEATURTLES:** Convenio de colaboración entre el SOCIB y la Fundación BBVA para la financiación del proyecto **Tortugas Oceanógrafas**, dentro de la convocatoria 2016 de ayudas a la investigación.  
IP@SOCIB: D. March Dates: 09/2016 – 03/2018

## SOCIB internal projects

13. **Bluefin Tuna Project:** Understanding the interannual variabiability of Bluefin Tuna spawning sites and the application of operational oceanography to the conservation and management of tuna species in the Balearic Sea.  
 Plan Estratégico SOCIB y Convenio marco de colaboración entre el SOCIB y el IEO para el desarrollo de la Investigación e Innovación Tecnológica en Ciencias Marinas.  
 dates: 05/2012 – 05/2019

## Conferences and main contributions to scientific meetings

### Keynote Lectures:

1. Tintoré, J. "Paradigm change in ocean studies: gliders as key components of new multi-platform observing and forecasting integrated approach in response to science and society needs". Ocean Science Day (IOCUNESCO). Paris (France). 17 June 2015.
2. Tintoré J. "Paradigm change in ocean studies: multi-platform observing and forecasting integrated approach in response to science and society needs". Keynote speaker. "Marine Environmental Monitoring, Modelling And Prediction. 47th International Liege Colloquium". 4-8 May, Liege. 2015
3. Tintoré, J. "The Dawn of the Robotic Exploration of our Planet Ocean", presentation (20') at: 2nd International Ocean Research Conference (IORC), "One Planet, one Ocean". (IOC-UNESCO, FNOB and The Oceanography Society). Barcelona, November 2014.
4. Sardá, R.; T. O'Higgins, R. Cormier, A. Diedrich, J. Tintoré. The Ecosystem-Based Management System: Linking the Theory of Environmental Policy and Practice of Environmental Management. 2nd International Ocean Research Conference (IORC), "One Planet, one Ocean" . (IOC-UNESCO, FNOB and The Oceanography Society). Barcelona, November 2014
5. Tintoré, J. The impact of new integrated ocean observing systems in science, technology and society. Plenary panel: Mediterranean Roundtable on 'A blue growth research and innovation initiative for the Mediterranean.' EurOcean 2014. European Marine Board, 7-9 October 2014. Rome.
6. Tintoré J., Euro-Argo and Multiplatform observing systems. Strategy for future Marine Operational Systems. Marginal Seas Workshop - The East Sea and the Mediterranean Sea. Busan, Korea. 24-26 Sept. 2014.
7. Tintoré, J. Session "Robotics for Next-Generation Ocean Science". Euroscience Open Forum (ESOF) 2014. Copenhagen, 21-26/06 2014.
8. Tintoré, J. Strategy for future Marine Operational Systems in the SES. RInES ("Research and Innovation in the service of Economy and Society-EU Neighborhood and the Black Sea region") Thessaloniki, Greece, (Keynote speaker) <http://rines.gr/>. 29-30 may 2014
9. Tintoré, J. Balearic Islands-Spain case study: SOCIB contribution to the Observing System of the European Seas and Coasts, in line with Blue Growth initiatives. Workshop on the use of Structural Funds for the construction of distributed e-Infrastructures supporting environment initiatives. Brussels. 12 May 2014.
10. Tintoré, J. Science & Technology Based Blue-Growth Initiatives in a Touristic Destination; SOCIB contribution to fill the science-policy gap. Perseus Interactive Stakeholder Session. Green Infrastructure and Sustainable Societies / Cities. GreInSus Conference. Izmir, <http://www.greinsus2014.ege.edu.tr> 8-10/05/2014
11. Tintoré, J. The impact of new multi-platform observing systems in science, technology development and response to society needs; the challenge for the next decade: from small to large scales...GNOO. Oristano, Sardinia, 3-5 June 2013.
12. Tintoré, J. The impact of new multi-platform observing systems in science, technology development and response to society needs; from small to large scales... Conferencia Internacional de Manejo Integrado de Zonas Costeras. Los nuevos sistemas de observación y predicción, elementos clave para un manejo sostenible de mares y costas combinando, ciencia, tecnología y respuesta a la sociedad. 15-17 Mayo, 2013. Santiago de Cuba, 2013
13. Tintoré, J. The impact of new multi-platform observing systems in science, technology development and response to society needs; from small to large scales... Eurocast 2013 – 11-13 February 2013. Workshop on Marine Robotics and Applications. Las Palmas, 2013
14. Tintoré, J. From Large to Small scales, the new challenges in ocean research. ICES/PICES Oceans of Change. Palma de Mallorca, 2012

15. Tintoré, J. SOCIB: the role and impact of new multiplatform sustained observing and forecasting systems. Variability of the Eastern and Western Mediterranean Circulation workshop. Rome, November 2011.
16. Diedrich, A. Bridging the science-policy gap. International Workshop on New Practices of Participative Planning to Face New Environmental, Economic and Territorial Challenges, hosted by the University of Valencia, Spain, junio 2011 (Keynote speaker)
17. Diedrich, A. Integrated Coastal Zone Management and coastal governance in the Balearic Islands. Special Session on Coastal Governance and ICZM in the Mediterranean, hosted by the MAREMED Project, Valencia, abril 2011 (Keynote speaker)
18. Diedrich, A. Sandra Espeja, Ferran Navinés, II Conferencia Económica del Mediterráneo Nord-Occidental, Barcelona, Presentación oral sobre el desarrollo de un sistema de indicadores para la GIZC en las Illes Balears, junio 2011 (Keynote speaker)
19. Tintoré, J. The impact of new information infrastructures in understanding and forecasting the changing coastal ocean: SOCIB, an international Coastal Ocean Observing and Forecasting System based in the Balearic Islands. CIESM Workshop 43. Croatia, 2011
20. Tintoré, J. La ICTS SOCIB, un nuevo sistema de observación y predicción marino. Seminario Seguimiento del Medio Marino. Seminar “Monitoring Marine Environment” (Natural Marine Systems from the National Parks Newtork). Mallorca, May 2011

### Oral (communications and invited talks)

1. Gómez-Pujol, L., Orfila, A., Tintoré, J. 2016. Exploring the influence of Posidonia oceanica on the equilibrium beach profile in Mediterranean Beaches. 14th International Coastal Symposium, ICS – Sydney, 2016.
2. Hernández, I., Orfila, A., Reyes, E. 2016. Control of surface Coastal transport by Lagrangian Coherent Structures derived from HF radar. XXXII Trobades científiques de la Mediterrània – Josep Miquel Vidal. Planeta Oceà. Maó (Menorca). October 2016.
3. Reyes, E., Troupin, C., Krietemeyer, A., Frontera, B., Mourre, B., Orfila, A. and Tintoré, J. The importance of an accurate antenna pattern. QA/QC & related practices. INCREASE HF Radar Experts Workshops. CNR-ISMAR, Lerici (La Spezia, Italy), September, 2016.
4. Cañellas Bartomeu1 , Emma Heslop1 , Marc Torner1 and Joaquín Tintoré. “Follow the glider: a web-based educational tool for glider exploration” and poster “Medclic: the Mediterranean in one click”. CommOcean, 2nd International Marine Science Communication Conference, 2016 Bruges
5. A. Barth, S. Watelet, A. A.-A. C. Troupin, G. Santinelli, G. Hendriksen, A. Giorgetti, and J.-M. Beckers OceanBrowser: on-line visualization of gridded ocean data and in situ observations International Conference on Marine Data and Information Systems (IMDIS) (Oral), 2016
6. L. PetitdelaVilleon, S. Pouliquen, H. Wehde, J. Tintoré, T. Carval, L. S. Ringheim, S. Tamm, S. Tarot, et al. Copernicus Marine Environment Monitoring Service In Situ TAC: an operational data provision system for operational oceanography International Conference on Marine Data and Information Systems (IMDIS) (Oral), 2016
7. Troupin C., J. Marmain, E. Reyes, A. Lana, V. Fernandez, B. Mourre, M. Juza, A. Orfila and J. Tintoré (2016). SOCIB HF Radar: a key contribution to multi-platform ocean observation. JERICO-NEXT HF Radar workshop, San Sebastian (Spain).
8. Heslop E., Mourre B., Juza M., Troupin C., Escudier R., Torner M. and J. Tintoré (2016). Mesoscale Circulation Variability from Five years of Quasi-continuous Glider Observations and Numerical Simulation at a Key Sub-basin 'Choke' Point. Ocean Sciences Meeting 2016. New Orleans (USA).
9. Ruiz S., A. Pascual, A. Mahadevan, M. Claret, A. Olita, C. Troupin, J. Tintoré, P. Poulain, A. Tovar-Sánchez, B. Mourre and A. Capet (2016). Intense ocean frontogenesis inducing submesoscale processes and impacting biochemistry. 48th International Liège Colloquium: Submesoscale Processes: Mechanisms, Implications and new Frontiers, Liège (Belgium).
10. C. Troupin, J. P. Beltran, B. Frontera, S. Gómara, M. Gomila, A. Krietemeyer, C. Muñoz, M. A. Rújula, et al. Data processing and visualization at the Balearic Islands Coastal Observing and Forecasting System (SOCIB), International Conference on Marine Data and Information Systems (IMDIS) (Oral), 2016
11. Mourre B., J. Hernandez, R. Escudier, M. Juza, J. Tintoré, C. Troupin and R. Balbín (2016). Predicciones oceánicas en el Mediterráneo Occidental. Aplicación al rescate de un fondeo del IEO en abril de 2016. 2º Seminario de Teledetección y ejercicios SAR, SASSEMAR, Madrid (Spain).
12. Gómez-Navarro L., Pascual A., Mourre B. and E. Mason (2016). Investigating SWOT capabilities to detect meso and submesoscale eddies in the Western Mediterranean. IV Encuentro de la Oceanografía Física Española (EOF2016), Alicante (Spain).

13. Fablet R., Verron J., Mourre B., Chapron B and A. Pascual (2016). Improving mesoscale altimetric data in the Mediterranean Sea: convolutional retreatment of AVISO products with SSH/SST synergy. 2016 Ocean Surface Topography Science Team (OSTST) meeting, La Rochelle (France).
14. Reyes E., C. Troupin, A. Krietemeyer, B. Frontera, B. Mourre, A. Orfila and J. Tintoré (2016). The importance of an accurate Antenna Pattern Measurement: QA/QC & related practices. CMEMS Serveice Evolution INCREASE workshop, La Spezia (Italy).
15. Heslop E., Mourre B., Juza M., Torner P., Bosse A., Mirgirier F., Aguiar E., Escudier R. and J. Tintoré (2016). Drivers of variability in water mass exchange at a circulation choke' point: observing-modelling approach. 7th EGO conference on autonomous ocean gliders and their applications, Southampton (UK).
16. Mourre B., Licer M., Troupin C., Krietemeyer A. and J. Tintoré (2016). Balearic Rissaga Forecasting System: studying meteotsunami propagation under synthetic gravity wave forcing and revisiting the 2006 event. XXXII Trobades científiques de la Mediterrània – Planeta Oceà, Mahón (Spain).
17. Mourre B., Licer M., Troupin C., Krietemeyer A. and J. Tintoré (2016). Balearic Rissaga Forecasting System: recent progress and study of meteotsunami propagation under synthetic gravity wave forcing. "Advances in Oceanographic Modelling in the Mediterranean Sea" Workshop, MonGOOS general assembly 2016, Split (Croacia).
18. Cotroneo, Y.; G. Aulicino, S. Ruíz, A. Pascual, G. Budillon, G. Fusco, M. Torner, E. Heslop, J. Tintoré. Glider missions to monitor Mediterranean water characteristics and relevant mesoscale features in the Algerian Basin. Themes Workshop (Teleconnections and HEmispheric-scale impacts on the MEditerranean Sea), Venice (Italy). November 2015
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54. Diedrich, A. Interdisciplinary Dialogue across Science Panel, MARCOM+ Initiative, Towards an Integrated Marine and Maritime Science Community, European Commission FP7 Programme, Palma de Mallorca, Abril 2011. (Membe of the work group)
55. Diedrich, A. Knowledge-based Sustainable Management for Europe's Seas Second Scientific Workshop, Estambul, Turquía, Febrero 2011 (participation in the KNOWSEAS project (CSIC-UIB) y CEAB (CSIC))
56. Diedrich, A. MARCOM+ 2nd Open Forum, Septiembre 2011, Bruselas. Miembro invitada del grupo de trabajo de MARCOM+
57. Diedrich, A. Method for linking environmental and social science data to support the management of coastal recreational use. 6th International Conference on Environmental Futures: Interdisciplinary Progress in Environmental Science and Management, Newcastle, UK, julio 2011.
58. Diedrich, A. Study Group on the Socio-economic dimensions of Aquaculture of the International Council for Exploration of the Sea, Bremen, Alemania, Abril 2011. (Membe of the work group)
59. Diedrich, A. Working Group on Integrated Coastal Zone Management and Marine Spatial Planning of the International Council for Exploration of the Sea (WGICZM ICES), Hamburgo, Alemania Marzo 2011, Membe of the work group)
60. Gómez-Pujol, L, Jackson, D., Cooper, J.A.G., Málvarez, G., Navas, F., Smith, T., Loureiro, C. Spatial and temporal patterns of sediment activation depth in a mesotidal beach. 11th International Coastal Symposium, Szczecin, 2011, Polland.
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64. Ruiz,S.; L. Renault; B. Garau; J. Bouffard; A. Pascual; J. Tintoré. Glider observations and modelling of an abrupt mixing event in the Western Mediterranean. 5th Everyone's Gliding Observatories meeting and glider school. Gran Canaria, Spain. 2011
65. Vidal-Vijande, E.; A. Pascual; S. Somot; B. Barnier; J.M. Molines; J. Tintoré. Multiparametric analysis and validation in the Mediterranean of 4 eddy-permitting global OGCM hindcasts of past decades. HYdrological cycle in the Mediterranean Experiment. Menorca, Spain (ESP), Hotel Barceló Pueblo Menorca, Punta Prima, Sant Lluís, Menorca. 2011

## Posters

1. Marmain, J., E. Heslop, A. Lana, V. Fernandez, B. Mourre, M. Juza, C. Troupin, A. Orfila, and J. Tintoré, 2016: SOCIB HF radar, a key contribution to multi-platform ocean observation. Ocean Sciences Meeting, New Orleans, United States, February 2016.
2. Pereda, L., Gómez-Pujol, L., Tintoré, J., Pol, J., De la Rosa, P. 2016. An examination of beach safety incidences and fatalities in the Balearic Islands (Western Mediterranean). 14th International Coastal Symposium, ICS – Sydney, 2016.
3. S. Ruiz, M. Claret, A. Pascual, A. Olita, A. Mahadevan, A. Tovar, C. Troupin, J. Tintoré, et al. Observational and numerical evidence for ocean frontogenesis inducing submesoscale processes and impacting biochemistry Ocean Sciences Meeting (Poster), 2016
4. C. Troupin, J. P. Beltran, A. Krietemeyer, E. Heslop, S. Ruiz. SOCIB Glider toolbox: from sensor to data repository. 7th EGO conference on autonomous ocean gliders and their applications (Poster), UK National Oceanography Centre, Southampton, United Kingdom, 2016
5. Hernández, I., Orfila, A., Reyes, E. 2016. Submesoscale blocking of Chl-a by HF radar LCSs. Nonlinear processes in oceanic and atmospheric flows (NLOA), Madrid (Spain). July 2016.

6. Puillat I., Farcy P., Gremare A., Durand D., Karlson B., Laakso L., Seppala J., Nizzetto L., Rubio A., Mourre B. and G. Charria (2016). Integrated science in the European network of coastal marine infrastructure JERICO. Ocean Sciences Meeting 2016, New Orleans (USA).
7. A. Barth, S. Watelet, C. Troupin, A. Alvera-Azcárate, G. Santinelli, G. Hendriksen, A. Giorgetti, and J.-M. Beckers Analysis of ocean in situ observations and web-based visualization. 13th European Geosciences Union General Assembly (Presentation or poster), 2016
8. Sanchez-Roman A., Ruiz S., Pascual A. and B. Mourre (2016). Impact study of the Argo array definition in the Mediterranean Sea based on satellite altimetry gridded. EGU general assembly 2016, Vienna (Austria).
9. Garau A., Cañellas T., Escudier R., Juza M., Mourre B., Frontera B., Gómara S., Gomila M., Sebastián K., Beltran J.-P., Kriete Meyer A., Troupin C. and J. Tintoré (2016). Medclic: the Mediterranean in one click. EGU general assembly 2016, Vienna (Austria).
10. Oguz T., B. Mourre and J. Tintoré (2016). Upstream control of the frontal jet regulating plankton production in the Alboran Sea (Western Mediterranean). 48th International Liège Colloquium: Submesoscale Processes: Mechanisms, Implications and new Frontiers, Liège (Belgium).
11. Claret M., S. Ruiz, A. Pascual, A. Mahadevan, J. Tintoré, B. Mourre, A. Olita and A. Tovar-Sánchez (2016). Submesoscale vertical transport at the Eastern Alboran front. 48th International Liège Colloquium: Submesoscale Processes: Mechanisms, Implications and new Frontiers, Liège (Belgium).
12. Pascual, A.; A. Lana, Ch. Troupin, S. Ruiz, Y. Faugère, R. Escudier, J. Tintoré. Assessing SARAL/AltiKa data in the coastal zone with HF radar observations. Marine Environmental Monitoring, Modelling And Prediction. 47th International Liege Colloquium on Ocean Dynamics. Liège (Belgium). 2015
13. Heslop, E., M. Juza, B. Mourre, J. Allen, J-L López-Jurado, M. Torner and J. Tintoré. Towards a better understanding of ocean variability, combining glider monitoring and numerical simulation, at a circulation "choke" point. 7th International Colloquim on Ocean Dynamics held in Liege (Belgium). 2015
14. Escudier, R.; A. Pascual, L. Renault, B. Mourre, M. Juza, P. Brasseur, J. Tintoré. Mesoscales eddies in the Western Mediterranean Sea: characterization from satellite altimetry and regional simulations. 4th GODAE OceanView Coastal Ocean and Shelf Seas Task Team (COSS-TT) International Coordination Workshop (COSS-ICW4). Lisbon (Portugal). 2015
15. Lora, S., K. Sebastián, C. Troupin, J.P. Beltran, B. Frontera, S. Gómara and J. Tintoré. App for Smartphones. EGU General Assembly, Vienna. 2015
16. Mourre, B., M. Juza, R. Escudier, A. Álvarez-Ellacuría and J. Tintoré. Western Mediterranean operational ocean forecasts at SOCIB. 7th International Colloquim on Ocean Dynamics held in Liege (Belgium). 2015
17. Juza M., B. Mourre, J. Marmain, R. Escudier, A. Lana, J. Noirot, E. Heslop, and J. Tintoré. "Regional and coastal skill assessment of the SOCIB forecasting system at various time scales in the western Mediterranean Sea", 4th GODAE Ocean View Coastal Ocean and Shelf Seas Task Team (COSS-TT) International Coordination Workshop (COSS-ICW4), Lisbon, Portugal. 2015
18. Lana, A., J. Marmain, M. Juza, B. Mourre, A. Orfila, V. Fernández and J. Tintoré. HF RADAR Ocean surface current observations in the Ibiza Channel: description and model-data comparisons. 7th International Colloquim on Ocean Dynamics held in Liege (Belgium). 2015
19. Lana, A., V. Fernández, A. Orfila, C. Troupin and J. Tintoré. Validation of HF Radar ocean surface currents in the Ibiza Channel using lagrangian drifters, moored current meter and underwater gliders. EGU General Assembly, Vienna. 2015
20. Beltran, J.P., E. Heslop, S. Ruiz, C. Troupin and J. Tintoré. Glider Toolbox EGU General Assembly, Vienna. 2015
21. Pascual, A.; A. Lana, Ch. Troupin, S. Ruiz, Y. Faugère, R. Escudier, J. Tintoré. Assessing SARAL/AltiKa delayed-time Ssalto/Duacs data in the coastal zone: comparisons with HF radar observations in the Ibiza Channel. EGU General Assembly, Vienna. 2015
22. Pascual, A.; S. Ruiz, B. Buongiorno Nardelli, S. Guinehut, D. Ludicone, J. Tintoré, P. Gaube. Net primary production in the Gulf Stream sustained by quasigeostrophic vertical exchanges. 2015 Ocean Surface Topography Science Team Meeting. Reston, Virginia (USA). 2015
23. Ruiz, S.; A. Pascual, J. Allen, A. Olita, A. Tovar, T. Oguz, A. Mahadevan, P. Poulain, J. Tintoré. ALBOREX: an intensive multi-platform and multidisciplinary experiment in the Alboran Sea. EGU General Assembly, Vienna. 2015
24. Pilares, A., Gómez-Pujol, L., Álvarez-Ellacuría, A., Orfila, A., Tintoré, J., 2015. Cambios en la línea de costa de una playa urbana mediterránea a largo plazo: Cala Millor (Mallorca), 1956-2012. VIII Jornadas de Geomorfología Litoral, Málaga, 2015.
25. Ruiz, S.; Pascual, A.; Tintoré, J. Use of SARAL/AltiKa data in a multi-sensor approach: Application to the study of a coastal current in the Balearic Sea. 6th EGO meeting and Final Symposium of the COST Action ES00904. Kiel. 2014
26. Sardà, R.; T. O'Higgins, R. Cormier, A. Diedrich, J. Tintoré. The Ecosystem-Based Management System (EBMS): linking the theory of Environmental Policy with the practice of Environmental Management for ICZM frameworks. 3rd International Symposium on Integrated Coastal Zone Management. Antalya (Turkey). 2014
27. Pascual, A.; A. Lana; C. Troupin, S. Ruiz, Y. Faugère, J. Tintoré. Assessing SARAL/AltiKa near-real time data in the coastal zone: comparisons with HF radar. Saral/AltiKa workshop, Lake Constance (Germany). 2014
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30. Juza, M., B. Mourre, and J. Tintoré, 2014: Sub-basin scale assessment and intercomparison of numerical simulations in the western Mediterranean Sea. EuroGOOS conference, 28-30 October 2014, Lisbon.
31. Juza, M., B. Mourre, L. Renault, S. Gómara, K. Sebastian, S. Lora, B. Frontera, J.P. Beltran, C. Troupin, E. Heslop, B. Casas, and J.Tintoré, 2014: Operational SOCIB forecasting system and multi-platform validation in the western Mediterranean Sea. MyOcean Science Days, September 2014, Toulouse.
32. Juza, M., B. Mourre, and J. Tintoré, 2014: Assessment and intercomparison of numerical simulations in the western Mediterranean Sea. MyOcean Science Days, September 2014, Toulouse.
33. Juza, M., B. Mourre, L. Renault, and J. Tintoré, 2014: Multi-platform operational validation of the Western Mediterranean SOCIB forecasting system. EGU General Assembly, April-May 2014, Vienna.
34. Juza, M., B. Mourre, and J. Tintoré, 2014: Assessment and intercomparison of numerical simulations in the western Mediterranean Sea. EGU General Assembly, April-May 2014, Vienna.
35. Troupin, C., Pascual, A., Lana, A., Valladeau, G., Pujol, I., Tintoré, J. Combined use of glider, radar and altimetry data to study a coastal current in the Western Mediterranean Sea. IV Symposium of Marine Science. Las Palmas de Gran Canaria. 2014
36. Troupin, C.; A. Pascual, G. Valladeau, A. Lana, E. Heslop, S. Ruiz, M. Torner, N. Picot, J. Tintoré. Vertical motion and chlorophyll patterns from a high resolution glider experiment in the Balearic Sea. 6th EGO meeting and Final Symposium of the COST Action ES00904. Kiel. 2014
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38. Rio, M-H., Pascual, A., Poulain, P-M., Menna, M., Adani, M., Balbin, R., Aparicio, A., López Jurado, J.L., Barceló, B., Tintoré, J. A new Mean Dynamic Topography of the Mediterranean Sea based on model outputs, drifter data, hydrological profiles and altimeter measurements. EGU General Assembly. Austria, Vienna. 2013
39. Renault, L., Guza, M., Tintoré, J., Orfila, A., Sayol, J.M. The SOCIB Western Mediterranean Sea Operational forecasting System. EGU General Assembly. Austria, Vienna. 2013
40. Cusi, S., M.Torner, M. Martinez-Ledesma, D. Roque, J.P. Beltran, S. Ruiz, B. Casas, C. Castilla, I. Lizaran, S. Lora, E. Heslop, J. Tintore. On the setup of an operational autonomous underwater glider facility. Girona (Spain): Martech Congress, October 2013. Publicación en el congreso.
41. Juza, M. L. Renault, S. Ruiz, and J. Tintoré, 2013: Origin and pathways of Winter Intermediate Water in the North-western Mediterranean Sea using observations and numerical simulation. EGU general assembly, April 2013, Vienna, Austria.
42. Alvarez-Ellacuria, A.; Orfila, A.; Gómez-Pujol, L.; Tintoré, J. Intermediate state transitions in a low microtidal beach. International Conference of Coastal Engineering (ICCE2012) Santander (Spain). 2012
43. Ruiz, S., L. Renault, B. Garau, A. Pascual, J. Tintoré. Glider observations and modelling of an abrupt mixing event in the upper ocean. EGU General Assembly Viena (Austria). 2012
44. Escudier, R.; A. Pascual; D. B. Chelton; M.G. Schlax; J. Tintoré. A New Census of Eddies in the Western Mediterranean Sea. 20 years of progress in Radar Altimetry EGU General Assembly. Venecia (Italia). 2012
45. Pascual, A., R. Escudier, J. Bouffard, M. I. Pujol, P. Poulain, S. Ruiz, B. Buongiorno Nardelli, J. Tintoré. Recent advances on mesoscale characterization in the Western Mediterranean Sea: complementary between altimetry and other sensors. 20 years of Progress in Radar Altimetry symposium. Venecia (Italia). 2012
46. Heslop, E., S. Ruiz, J. Allen, J. Tintoré. High sub-seasonal variabilty in water volume transports, revealed through a new ocean monitoring initiative using autonomous gliders. EGU General Assembly. Viena (Austria). 2012
47. Ruiz, S.; L. Renault; B. Garau; A. Pascual; J. Tintoré. Glider observations and modelling of an abrupt mixing event in the upper ocean. HYdrological cycle in the Mediterranean Experiment. Menorca, Spain (ESP), Hotel Barceló Pueblo Menorca, Punta Prima, Sant Lluís, Menorca. 2011
48. Pascual, A., S. Ruiz, B. Buongiorno Nardelli, S. Guinehut, Y. Drillet, S. Mulet, M-H. Rio, F. Bignami, G. Larnicol, J. Tintoré. Vertical motion estimated from combined ARGO and altimetry observations. Joint Argo & Altimetry Workshop. San Diego, CA (US). 2011
49. Renault, L.; J. Chiggiato, G. Vizoso, M. Gomez, S. Ruiz, J. Tintoré, J.C. Warner. Ocean-atmosphere-wave coupling: extreme event analysis, forecast and effect in the Mediterranean Sea in May 2010. Hydrological cycle in the Mediterranean Experiment (HYMEX). Menorca (Spain), 2011.
50. Pascual,A.; S. Ruiz; B. Buongiorno Nardelli; S. Guinehut; Y. Drillet; S. Mulet,; M.H. Rio; F. Bignami; G. Larnicol; J. Tintoré. Vertical motion analysis through combined model, satellite and in situ data. Preliminary results of the MESCLA proje. European Geophysical Union. Austria (AUT), Vienna. 2011
51. Bouffard, J.; L. Renault; S. Ruiz; A. Pascual; C. Dufau; G. Larnicol; J. Tintoré. Sub-surface small scale eddy dynamics from multi-sensor observations and modelling. European Geophysical Union. Austria (AUT), Vienna. 2011

## Training at MSc, phd, and postdoctoral level

### Phd thesis supervised by SOCIB members

1. Pomar, F. 2016. *Arquitectura i fàcies deposicionals de la interferència entre la sedimentació al·luvial, col·luvial i eòlica a les Illes Balears durant el Plistocè superior: implicacions paleoclimàtiques*. Universitat de les Illes Balears. Dir.: J.J. Fornós y L. Gómez-Pujol (SOCIB). Julio 2016.
2. Del Valle, L. 2016. *El Registre Sedimentari Eòlic Litoral del Plistocè Superior a les Illes Pitiüses*. Universitat de les Illes Balears. Dir.: J.J. Fornós y L. Gómez-Pujol (SOCIB). Julio 2016.
3. Heslop, E. 2014. *Unraveling high frequency and sub-seasonal variability at key ocean circulation ‘choke’ points: a case study from glider monitoring in the Western Mediterranean Sea*. SOC/University of Southampton, UK. Dir.: J. Tintoré (SOCIB) y S. Ruiz.

### MSc thesis supervised by SOCIB members

4. Morales, V. 2016. *Estudio de los cambios morfodinámicos de una playa micromareal en condiciones de tormenta*. Máster Universitario en Ingeniería de Caminos, Canales y Puertos. Universidad de Castilla-La Mancha. Dirs.: Á. Galán y L. Gómez-Pujol (SOCIB). Junio 2016.
5. Torrens, J.M. 2012. *Modelización del patrón de frecuentación de playas urbanas a partir de videomonitorización costera y técnicas de análisis exploratorio multivariante*. Máster en Análisis, Gestión y Planificación de Áreas Turísticas, Universitat de les Illes Balears. Dirs.: L. Gómez-Pujol (SOCIB) y G.X. Pons. Octubre 2012.
6. Del Valle, L. 2012. *Persistencia y evolución (1980-2010) de un depósito de carbono de origen antropogénico en el sedimento litoral de la Bahía de Palma, Mallorca (Illes Baleares)*. Máster Universitario en Análisis, Gestión y Planificación de Áreas Turísticas, Universitat de les Illes Balears. Dirs.: L. Gómez-Pujol (SOCIB) y J. Fornós. Febrero 2012.
7. Pomar, F. 2011. *El papel de las cianoficeas en el micromodelado costero: bases para su cuantificación y modelización*. Máster Universitario en Análisis, Gestión y Planificación de Áreas Turísticas, Universitat de les Illes Balears. Dirs.: L. Gómez-Pujol (SOCIB) y J. Fornós. Enero 2011.
8. Oberto, K. 2011. *Caruao, el desarrollo turístico sostenible de la Zona Litoral*. Máster en gestión turística y máster en dirección de empresas de servicios, Universitat de les Illes Balears. Dir.: P. Balaguer (SOCIB). Septiembre 2011.

### Post-doctoral contracts

2016 – 2018. David March. Programa Juan de la Cierva, MINECO. SIAS Division. Supervisor: J. Tintoré (SOCIB).  
 2016 – 2018. Ismael Hernández. Programa Juan de la Cierva, MINECO. Beach Monitoring. Supervisor: A. Orfila (SOCIB).

### Student grants and internships

Since 2010, SOCIB has had some students in different modalities and different universities, being the usual length of the stay between 3 and 6 months.

The origin of these students is mainly the UIB (University of the Balearic Islands). Among them, SOCIB has had 5 MSc students, 2 students with an agreement called “convenio de cooperación educativa”, 2 students of the Physics Grade and 12 students doing their practical module in the Geography Grade. Also, SOCIB has had 2 students of the TUO modality for graduate students managed by the Fundación Universidad Empresa de la UIB.

ALSO, the R/V SOCIB has had up till now 3 students from the la Escuela Náutico Pesquera de Palma. The agreement with this Professional School is ongoing.

Every year SOCIB receive 1 or 2 students granted by the Santander Bank, in the Programmed called CRUE-CEPYME, and up to date SOCIB has trained 5 graduate students in this modality.

Also, there has been 1 student in SOCIB during 6 months from the Castilla la Mancha University, doing her final grade research.

Additionally, SOCIB have regularly students from different European universities, as for example, from 2014 up till now:

- 2 students from l' Ecole Centrale de Nantes, France
- 2 students from the Van Hall Larenstein University, Netherlands
- 1 student from the La Rochelle University, France
- 2 students from ENSTA Paris Tech, Ecole Nationale Supérieure de Techniques Avancées
- 1 student from the Bretagne Occidentale University

## Outreach and on line science-society resources

1. Medclic: el Mediterraneo a un clic: Outreach Project by ICTS SOCIB and Obra Social "la Caixa", including a web and a number of outreach and education activities, such as: workshops, talks, educational resources, multimedia material, etc. ([www.medclic.es](http://www.medclic.es))
2. Medclic Photo: photo contest in the Oceans Day ([www.medclicphoto.es](http://www.medclicphoto.es)).
3. La Mar de Ciencia: online contest coordinated together with CSIC for students (Primaria and Secundaria) related to the ocean sciences ([www.lamardeciencia.es](http://www.lamardeciencia.es)).
4. Open Access to the SOCIB Catamaran: 2 days of open Access for the public and students, in order to make them know what is marine research in a research vessel
5. SOCIB: Balearic Islands Coastal Observing and Forecasting System. A solid foundation for multi-platform oceanic research. Supporting oceanographic exploration: 2013. International Innovation. pp 37-39. <http://www.research-europe.com/magazine/ENVIRONMENT/2012-14/index.html>
6. SOCIB: the role of new Marine Research Infrastructures responding to Science, Technology and Society needs Multi-platform integrated observing and forecasting systems, 2013. The Parliament Magazine, issue 369, pages 30-31. [www.theparliament.com](http://www.theparliament.com).
7. SOCIB, Sistema de Observación y Predicción Costero de las Islas Baleares: 2013. Magazine Océano, nº4.0413, pp 49-60. [http://issuu.com/cuerpo8/docs/magazine\\_oceano4](http://issuu.com/cuerpo8/docs/magazine_oceano4)
8. Follow the glider: online interactive real time tool for students and teachers. <http://followtheglider.socib.es> . 09/2013.
9. Online interactive tool/game. Coastal observing systems and tools for decision support, including an oil spill and web version, [https://www.educaixa.com/microsites/Mediterrani/sistema\\_observacion\\_SOCIB/](https://www.educaixa.com/microsites/Mediterrani/sistema_observacion_SOCIB/). Cosmocaixa, Fundació LaCaixa, December 2013.