

Currículum Vitae

PERSONAL DATA

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DEGREE AND EDUCATION

- 2007 - PhD in Biology (*Doctor en Biología*), University of Buenos Aires (UBA). December 18th, 2007. Title of the thesis: *Phytoplankton biomass estimate using remote sensing of ocean color and in situ data in the Patagonian Continental Shelf*. Advisors: D.A. Gagliardini and I. Schloss.
- 1999 – Licentiate in Biology (*Licenciada en Biología*, equivalent to MSc in Biology), University of Buenos Aires (UBA).

RESEARCH ACTIVITIES

Scientific Research Position

Member of the National Research Council for Sciences CONICET, Argentina (since March 2009). Independent Researcher (2017-present).

Postdoctoral Research

Postdoctoral position at Management Unit of the North Sea Mathematical Models (MUMM), Royal Belgian Institute for Natural Sciences (RBINS), Brussels, Belgium. October 2010 – October 2011.

Postdoctoral position at *Laboratorio de Oceanografía Física* at the Physics Department of Fundação Universidade Federal do Rio Grande (FURG), Brazil. Member: February 2008 – February 2009.

Doctoral Research

Member of the Remote Sensing Group at the Astronomy and Space Physics Institute. Doctoral Fellow (2001-2007).

Other activities

- Coordinator of *ANTARES Network*, an integrated Latin American network created in 2003, which main goal is the study of long-term changes in coastal ecosystems around South America integrating field (time-series stations) and satellite data. Current participating countries are: Argentina, Brazil, Chile, México, Venezuela, the United States of America and Canada.
- Member of the Scientific Team of the Argentine-Brazilian joint Ocean Color Satellite Mission SABIA/MAR.

PUBLICATIONS

Submitted

23. Camiolo, M. Cozzolino, E. Dogliotti, A. I., Simionato, C. G., Lasta, C. A regional empirical algorithm to retrieve total suspended matter concentration from remotely-sensed data in the Río de la Plata (Argentina). Submitted to *Continental Shelf Research*.

Published in International Journals

22. Dogliotti, A. I., Ruddick, K., Guerrero, R. (2016). Seasonal and inter-annual turbidity variability in the Río de la Plata from 15 years of MODIS: El Niño dilution effect. *Estuarine, Coastal and Shelf Science*, 182: 27-39. <http://dx.doi.org/10.1016/j.ecss.2016.09.013>.
21. Andreo, V. C., Dogliotti, A. I., Tauro, C. B. (2016). Remote sensing of phytoplankton blooms in the Continental Shelf and shelf-break of Argentina: spatio-temporal changes and phenology. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing (JSTARS)*, vol. 9, 12: 5315-5324. DOI: 10.1109/JSTARS.2016.2585142.
20. Lutz V., Frouin R., Negri R., Silva R., Dogliotti A., Pompeu M., Martinez G. Bio-optical characteristics along the Strait of Magallanes. (2016). *Continental Shelf Research*, 119, 56–67.
19. Doxaran, D., Leymarie, E., Nechad, B., Dogliotti, A., Ruddick, K., Gernez, P. and Knaeps. (2016). E. Improved correction methods for field measurements of particulate light backscattering in turbid waters. *Optics Express*, Vol. 24, No. 4, 3615-3637.
18. Knaeps, E., Ruddick, K.G., Doxaran, D., Dogliotti, A.I., Nechad, B., Raymaekers, D., and Sterckx, S. (2015). A SWIR based algorithm to retrieve Total Suspended Matter in extremely turbid waters. *Remote Sensing of Environment*, 168: 66-79. doi: 10.1016/j.rse.2015.06.022
17. Dogliotti, A. I., Ruddick, K. G., Nechad, B., Doxaran, D., Knaeps, E. (2015). A single algorithm be used to retrieve turbidity from remotely-sensed data in all coastal and estuarine waters. *Remote Sensing of Environment*, 156: 157–168, <http://dx.doi.org/10.1016/j.rse.2014.09.020>.
16. Dogliotti, A.I., Lutz, V.A., and Segura, V. (2014). Estimation of primary production in the southern Argentine continental shelf and shelf-break regions using field and remote sensing data. *Remote Sensing of Environment*, 140: 497-508.
15. Segura, V., Lutz, V.A., Dogliotti, A. I., Silva, R., Negri, R., Akselman, R. and Benavides, H. (2013). Phytoplankton Functional Types and primary production in the Argentine Sea. *Marine Ecology Progress Series*, 491: 15–31. doi: 10.3354/meps10461.
14. Ferreira, A., Garcia, C.A.E., Dogliotti, A.I., and Tavano, V.M. (2013). Bio-optical characteristics of the Patagonia shelf break waters: Implications for ocean color algorithms. *Remote Sensing of Environment*, 136, 416–432.

13. Williams, G. N., Dogliotti A. I., Zaidman, P., Solis, M., Narvarte, M. A., González, R. C., Esteves, J. L., and Gagliardini, D. A. (2013). Assessment of remotely-sensed sea-surface temperature and chlorophyll-*a* concentration in San Matías Gulf (Patagonia, Argentina). *Continental Shelf Research*, 52, 159–171. DOI: 10.1016/j.csr.2012.08.014
12. Knaeps, E., Dogliotti, A. I., Raymaekers D., Ruddick, K., and Sterckx, S. (2012). In-situ evidence of non-zero reflectance in the OLCI 1020 nm band for a turbid estuary. *Rem. Sens. of Environment*, 120, 133-144. DOI:10.1016/j.rse.2011.07.025.
11. Dogliotti A. I., K. Ruddick, B. Nechad, C. Lasta, A. Mercado, C. Hozbor, R. Guerrero, G. Riviello López, and Abelando, M. (2011). Calibration and validation of an algorithm for remote sensing of turbidity over La Plata River estuary, Argentina. *EARSel eProceedings*, 10(2): 119-130.
10. Cortes F., Jaureguizar A.J., Guerrero R.A., and Dogliotti A. I. (2011). Influence of estuarine and continental shelf water advection on the apron ray, *Discopyge tschuddi*, coastal movements in Southwest Atlantic. *Journal of Applied Ichthyology*, 27, 1278-1285, doi: 10.1111/j.1439-0426.2011.01821.x.
9. Garcia, C.A.E., V.M.T. Garcia, A. I. Dogliotti, A. Ferreira, S. I. Romero, A. Maninno, M. S. Souza, and Mata, M. M. (2011). Environmental Conditions and Bio-optical Signature of a Coccolithophorids Bloom in the Patagonian Shelf. *J. Geophys. Res.*, 116, C03025, doi: 10.1029/2010JC006595.
8. Copello, S., Dogliotti, A. I., Gagliardini, D. A., and Quintana, F. (2011). Oceanographic and biological landscapes used by the Southern Giant Petrel during the breeding season at the Patagonian Shelf. *Marine Biology*, 1-11. doi:10.1007/s00227-011-1645-3.
7. Lutz, V.A., Segura, V., Dogliotti, A. I., Gagliardini, D. A., Bianchi, A. A., and Balestrini, C. F. (2010). Primary Production in the Argentine Sea during Spring Estimated by Field and Satellite Models. *Journal of Plankton Research*, 32, 2: 181-195. doi:10.1093/plankt/fbp117.
6. Dogliotti, A.I., Schloss, I.R., Almandoz, G.O. and Gagliardini, D.A. (2009). Evaluation of SeaWiFS and MODIS chlorophyll-*a* products in the Argentinean Patagonian Continental Shelf (38°S-55°S). *International Journal of Remote Sensing*, 30, 1: 251-273. DOI: 10.1080/01431160802311133.
5. Almandoz G.O., Ferreyra G.A., Schloss I.R., Dogliotti A.I., Rupolo, V., Paparazzo F., Esteves J., and Ferrario, M. (2008). Distribution and ecology of *Pseudo-nitzschia* species (Bacillariophyceae) in surface waters of the Weddell Sea (Antarctica). *Polar Biology*, 31: 429-442. DOI:10.1007/s00300-007-0369-9.
4. Rivas, A. L., Dogliotti, A.I. and Gagliardini, D.A. (2006). Seasonal variability in satellite-measured surface chlorophyll in the Patagonian Shelf, *Continental Shelf Research*, 26: 703-720. DOI:10.1016/j.csr.2006.01.013.

3. Gagliardini, D.A., Aliotta, S. and Dogliotti, A.I. (2005). Identification of bed forms through ERS-SAR images – San Matías Gulf, Argentina, *Journal of Coastal Research*, 21, 1: 193-201.
2. Gagliardini, D.A., Dogliotti, A.I., Karszenbaum, H. and Grings, F. (2004). Comparison of bathymetric features detected by ERS-2 SAR and Landsat TM data over San Matías Gulf, Argentina. *Gayana*, 68, 2: 201-208. ISSN 0717-6538.
1. Penchaszadeh, P.E., Darrigran, G., Angulo, C., Averbuj, A., Brogger, M., Dogliotti, A.I. and Pirez, N. (2000). Predation of the invasive freshwater mussel *Limnoperna fortunei* (Dunker, 1857) (Mytilidae) by the fish *Leporinus obtusidens* Valenciennes, 1846 (Anostomidae) in the Río de la Plata, Argentina, *Journal of Shellfish Research*, 19, 1: 229-231.

In Proceedings

34. Gossn, J.I., Ruddick, K., Dogliotti, A. I. Atmospheric correction of OLCI imagery over very turbid waters based on the RED/NIR/SWIR bands. *XVII Workshop on Information Processing and Control (RPIC) 2017*. Mar del Plata, Argentina. 20-22 September 2017.
33. Glembocki, N.G., Williams, G. and Dogliotti, A. Variación temporal y espacial de la temperatura superficial del mar y la clorofila-a satelital en el sector central de la costa de la Provincia del Chubut (44°S-45°30'S) (ARGENTINA). *SELPER Symposium*. Puerto Iguazú, Argentina. 7 - 11 November 2016.
32. Dogliotti, A. I., Gossn, J.I., Vanhellefont, Q. and Ruddick, K. Large invasion of floating aquatic plants in the Río de la Plata estuary! *Proceeding of Ocean Optics XXIII Conference*. Victoria (BC), Canada. 23 - 28 Oct., 2016.
31. Ruddick, K., Vanhellefont, Q., Dogliotti, A., Nechad, B., Pringle, N. and Van der Zande, D. New opportunities and challenges for high resolution remote sensing of water colour. *Proceeding of Ocean Optics XXIII Conference*. Victoria (BC), Canada. 23 - 28 Oct., 2016.
30. Williams, G., Larouche, P., Dogliotti, A.I. Bio-optical properties of the San Jorge Gulf (Argentina). *Proceeding of Ocean Optics XXIII Conference*. Victoria (BC), Canada. 23 - 28 Oct., 2016.
29. Berden G., Simionato, C., Dogliotti, A. and Moreira, D. Estudio de la relación entre turbidez y concentración de sedimentos en suspensión en función de la granulometría en el Río de la Plata. *3° Encuentro de Investigadores en Formación en Recursos Hídricos / IFRH 2016*. Buenos Aires, Argentina. 6 - 7 Oct. 2016.
28. Gossn, J. I., Frouin, R., Dogliotti, A. I., Grings, F. SWIR-Based Atmospheric Correction for Satellite Ocean Color Using Principal Component Analysis Decomposition over the La Plata River Highly Turbid Waters. *Proceedings of IEEE Biennial Congress of Argentina (IEEE ARGECON 2016)*. DOI: 10.1109/ARGENCON.2016.7585311. Buenos Aires, Argentina. June 15-17, 2016.
27. Dogliotti, A. I., Nechad, B., Ruddick, K. G., Gossn, J. I. Towards an autonomous turbidimeter network for multi-mission ocean colour satellite data validation activities.

Proceedings of the 2016 ESA Living Planet Symposium held in Prague, Czech Republic, 9-13 May 2016, ESA Special Publication SP-740.

26. Nechad, B., Dogliotti, A. I., Ruddick, K. G., Doxaran, D. Particulate backscattering and suspended matter concentration retrieval from remote-sensed turbidity in various coastal and riverine turbid waters. 2016. Proceedings of the 2016 ESA Living Planet Symposium held in Prague, Czech Republic, 9-13 May 2016, ESA Special Publication SP-740.
25. Andreo, Veronica; Dogliotti, Ana I.; Tauro, Carolina; Neteler, Markus. 2015. Spatio-temporal variations in chlorophyll-a concentration in the patagonic continental shelf: An example of satellite time series processing with GRASS GIS temporal modules. *Geoscience and Remote Sensing Symposium (IGARSS), 2015 IEEE International*, pp. 2249-2252, Mila, Italy. 26-31 July 2015. doi: 10.1109/IGARSS.2015.7326254. URL: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7326254&isnumber=7325670>
24. Dogliotti, A. I., Gossn, J. I., Vanhellefont, Q., Ruddick, K. G. Evaluation of two sites for Ocean Color Validation in the Turbid waters of the Río de la Plata (Argentina). *Proceedings of the Sentinel-3 for Science Workshop* held in Venice-Lido, Italy, 2-5 June 2015, ESA Special Publication SP-734.
23. Dogliotti, A. I., Camiolo, M., Simionato, C., Jaureguizar, A., Guerrero, R., Lasta, C. First optical observations in the turbidity maximum zone in the Río de la Plata estuary: A challenge for atmospheric correction algorithms. *Proceeding of Ocean Optics XXII Conference*. Portland (ME), United States of America. 26 - 31 Oct., 2014.
22. Dogliotti, A. I. Estimación de la biomasa fitoplanctónica mediante el sensoramiento remoto del color del mar y datos de campo en la Plataforma Continental Patagonica. OO12. *Congreso Argentino de Teledeteccion 2012: El medio ambiente y sus cambios: un desafío para la información espacial (CAT-2012)*. Ciudad de Córdoba, Argentina. 18-21 September, 2012.
21. Dogliotti, A.I., Segura V., Lutz, V.A. Assessing satellite-derived variables used in primary production models in the Argentine Sea. OO01. *Congreso Argentino de Teledeteccion 2012: El medio ambiente y sus cambios: un desafío para la información espacial (CAT-2012)*. Ciudad de Córdoba, Argentina. 18-21 September, 2012.
20. Segura, V., Lutz, V.A., Dogliotti, A.I. ; Silva, R.I., Negri, R.M., Akselman, R., Benavides, H. Tipos funcionales fitoplanctónicos en el Mar Argentino, sus propiedades ópticas e implicancias para su estimación satelital. OO11. *Congreso Argentino de Teledeteccion 2012: El medio ambiente y sus cambios: un desafío para la información espacial (CAT-2012)*. Ciudad de Córdoba, Argentina. 18-21 September, 2012.
19. Cozzolino, E.; Madirolas, A., Lutz, V.A. ; Dogliotti, A., Lasta, C.A.; Cabreira, A. Uso de señales hidroacústicas y satelitales para describir la distribución de la anchoita (*Engraulis anchoita*) en relación a la temperatura y la clorofila en la zona frontal de Península Valdés. OO03. *Congreso Argentino de Teledeteccion 2012: El medio ambiente y sus cambios: un desafío para la información espacial (CAT-2012)*. Ciudad de Córdoba, Argentina. 18-21 September, 2012.

18. Dogliotti, A.I., Ruddick, K., Nechad, B., and Lasta, C. *Improving water reflectance retrieval from MODIS imagery in the highly turbid waters of La Plata River*. Proceedings of VI International Conference "Current problems in optics of natural waters" (ONW'2011). Publishing House "Nauka" of RAS, 2011. p. 152. Saint-Petersburg, Russia. 6-10 September, 2011.
17. Dogliotti, A.I., Ruddick, K., Nechad, B., Lasta, C., Mercado, A., Hozbor, C., Guerrero, R., Riviello López, G. and Abelando, M. *Calibration and validation of an algorithm for remote sensing of turbidity over La Plata river estuary, Argentina*. Proceeding of 5th EARSeL Workshop on Remote Sensing of the Coastal Zone. Prague, Czech Republic. 1st – 3rd June, 2011.
16. Dogliotti, A.I., Segura, V., and Lutz, V.A. *Primary Production in the Patagonian Continental Shelf and Shelf-break region: Improved Estimation using Satellite-based Models*. Proceeding of Ocean Optics XX Conference, paper no. 100850, 12 pp, Anchorage, Alaska. 27 Sept. - 1 October, 2010.
15. Segura, V. Lutz, V.A., Dogliotti, A.I., Benavides, H.R., Silva, R.I., Negri, R.M., and Akselman, R. *Phytoplankton Functional Types in the Patagonian Sea: According to Photosynthetic and Bio-Optical Characteristics*. Proceeding of Ocean Optics XX Conference, paper no. 100779, 13 pp, Anchorage, Alaska. 27 Sept. - 1 October, 2010.
14. Ferreira, A., Garcia, C.A.E., Garcia, V.M.T, and Dogliotti, A.I. *Variability in the Hyperspectral Remote Sensing Reflectance and Performance of OC4v4 Algorithm at the Coast Off Patagonia*. Proceeding of Ocean Optics XX Conference, paper no. 100852, 9 pp, Anchorage, Alaska. 27 Sept. - 1 October, 2010.
13. Angel-Benavides, I.M., Dogliotti, A.I., y Garcia, C.A.E. *Análise comparativa dos dados de clorofila satelital dos sensores seawifs e modis/aqua no mar argentino*. Congresso Brasileiro de Oceanografia, 3610-3613, AOCEANO – Associação Brasileira de Oceanografia Ed. Ríó Grande, Brasil. 17-21 May, 2010.
12. Jaureguizar A.J., Cortes F., Guerrero R.A., Dogliotti A.I. *Distribución espacio-temporal de *Discopyge tschudii* en relación a la dinámica ambiental en el Ecosistema Costero del Atlántico Sudoccidental (34° - 41° S)*. Congresso Brasileiro de Oceanografia, 1653-1656, AOCEANO – Associação Brasileira de Oceanografia Ed. Ríó Grande, Brasil. 17-21 May, 2010.
11. Lutz, Vivian A., Valeria Segura, Ana I. Dogliotti, Domingo A. Gagliardini, Alejandro A. Bianchi y C. F. Ballestrini. *Variability in the Distribution of Chlorophyll-a and Primary Production in the Argentine Sea using Field and Satellite Estimations*. Proceeding of Ocean Optics XIX Conference, paper no. 503, 17 pp, Barga, Italy. 6-10 October, 2008.
10. Garcia, Carlos A. E., Virginia M. Tavano Garcia, Ana I. Dogliotti, Amábile Ferreira, Silvia I. Romero, Sergio Signorini, and Charles R. McClain. *Bio-optical Studies Along the Patagonian Shelf-break Zone*. Proceeding of Ocean Optics XIX Conference, paper no. 603, 10 pp, Barga, Italy. 6-10 October 2008.
9. Dogliotti, Ana I., Carlos A. E. Garcia and Virginia M.T. Garcia. *Comparison of in situ and remotely-sensed chlorophyll in two ecological important regions: the Antarctic Peninsula and*

the Patagonian Shelf-break. Proceeding of XVI Simpósio Brasileiro sobre Pesquisa Antártica (SPA). São Paulo, Brazil. 24-26 September, 2008.

8. de Moraes Rudorff, Frederico and the NF-POGO Ocean-Color Training Group, Robert J. Frouin, Milton Kampel, Oleg Kopelevich, Vivian Lutz. *Analysis of SeaWiFS imagery over the southwestern Atlantic Ocean during the March 2002 R/V IOFFE cruise*. Proceedings of SPIE, the International Society for Optical Engineering, Vol. 6680, 668016 (2007); doi:10.1117/12.739472.
7. Dogliotti, A.I., D.A. Gagliardini, and R. Frouin, *Atmospheric Correction of SAC-C MMRS Imagery For Ocean-Color Applications*. Proceedings of SPIE - The International Society for Optical Engineering, Volume 5885, art. No. 588502, 1-12. DOI:10.1117/12.618058. Remote Sensing of the Coastal Oceanic Environment; R. J. Frouin, M. Babin, and S. Sathyendranath; Eds. August 2005.
6. Dogliotti, A.I., O. Ulloa, F. Müller-Karger, C. Hu, B. Murch, C. Taylor, G. Yuras, M. Kampel, V. Lutz, S. Gaeta, D.A. Gagliardini, C.A.E. Garcia, E. Klein, W. Helbling, R. Varela, E. Barbieri, R. Negri, R. Frouin, S. Sathyendranath, and T. Platt, *The ANTARES observation network*. Proc. SPIE Vol. 5885, 58850N, DOI:10.1117/12.617971. Remote Sensing of the Coastal Oceanic Environment; R. J. Frouin, M. Babin, and S. Sathyendranath; Eds. August 2005.
5. Resplandy, L., I. Schloss, A. Concheyro, A.I. Dogliotti, I. Boloubassi, and L. Mejanelle, *Coccolithophores distribution in the South Atlantic and the Antarctic Oceans*. Actas del V Simposio Argentino y I Latinoamericano sobre Investigaciones Antárticas (CD-ROM), art. no. 207BZ, 4 pp. Dirección Nacional del Antártico, Instituto Antártico Argentino. Buenos Aires, Argentina. August 30 - September 3, 2004.
4. Dogliotti, A.I., R. Reta, and D.A. Gagliardini, Comparación de imágenes SeaWiFS con estimaciones de campo para la determinación de concentraciones de clorofila-a en la Plataforma Patagónica al sur de 47° LS. V Jornadas Nacionales de Ciencias del Mar, XII Coloquio Argentino de Oceanografía. Mar del Plata, Buenos Aires, Argentina. 8 - 12 December 2003.
3. Bava, J., D.A. Gagliardini, A.I. Dogliotti, and C.A. Lasta. Annual distribution and variability of remotely sensed sea surface temperature fronts in the Southwestern Atlantic Ocean. Proc. 29th International Symposium on Remote Sensing of environment. Buenos Aires, 8 - 12 April, 2002.
2. Gagliardini, D.A., S. Aliotta, and A.I. Dogliotti, *Imágenes ERS-SAR para la identificación de formas del fondo marino, Golfo San Matías, Argentina*. IX Congreso Latinoamericano de Ciencias del Mar (COLACMAR). San Andrés, Colombia. 16 – 20 September 2001.
1. Penchaszadeh, P.E., A.I. Dogliotti, N. Pérez and G. Darrigran, *Depredation of the invasive bivalve Limnoperna fortunei (Dunker) (Mytilidae) by the autochthonous/native Teleost Leporinus obtusidens Valenciennes (Curimatidae) in La Plata river, Argentina*. XII Congreso Nacional de Malacología. Málaga, Spain, 1998.

PRESENTATIONS IN WORKSHOPS, SEMINARS, CONFERENCES AND MEETINGS

Oral presentations

- Ruiz, M. G., Dogliotti, A. I., and Lutz, V. A. Reduciendo la incerteza de la estimación de la biomasa del fitoplancton: validación de algoritmos satelitales globales de clorofila-a con datos *in situ* en el mar Argentino. *V Congreso Internacional de Servicios Ecosistémicos en los Neotrópicos*. Oaxaca, México. 13-16 November 2017.
- Dogliotti, A. I., Gossn, J.I., Moreira, D., and Simionato, C. Detecting and monitoring an unusual highly reflective plume from space in the Río de la Plata (Argentina). *ECSA 2017 Where Land Meets Ocean: The Vulnerable Interface*. Shanghai, China. 16-20 October 2017.
- Gossn, J.I., Ruddick, K., Dogliotti, A. I. Atmospheric correction of OLCI imagery over very turbid waters based on the RED/NIR/SWIR bands. *XVII Workshop on Information Processing and Control (RPIC) 2017*. Mar del Plata, Argentina. 20-22 September 2017.
- Glembocki, N.G., Williams, G. and Dogliotti, A. Variación temporal y espacial de la temperatura superficial del mar y la clorofila-a satelital en el sector central de la costa de la Provincia del Chubut (44°S-45°30'S) (ARGENTINA). *SELPER Symposium*. Puerto Iguazú, Argentina. 7 - 11 November 2016.
- Dogliotti, A. I., Gossn, J.I., Vanhellefont, Q. and Ruddick, K. Large invasion of floating aquatic plants in the Río de la Plata estuary! *Ocean Optics XXIII Conference*. Victoria (BC), Canada. 23 - 28 Oct., 2016.
- Ruddick, K., Vanhellefont, Q., Dogliotti, A., Nechad, B., Pringle, N. and Van der Zande, D. New opportunities and challenges for high resolution remote sensing of water colour. *Ocean Optics XXIII Conference*. Victoria (BC), Canada. 23 - 28 Oct., 2016.
- Berden G., Simionato, C., Dogliotti, A. and Moreira, D. Estudio de la relación entre turbidez y concentración de sedimentos en suspensión en función de la granulometría en el Río de la Plata. *3° Encuentro de Investigadores en Formación en Recursos Hídricos / IFRH 2016*. Buenos Aires, Argentina. 6 - 7 Oct. 2016.
- Gossn, J.I., Frouin, R., Dogliotti, A.I., Grings, F. SWIR-Based Atmospheric Correction for Satellite Ocean Color Using Principal Component Analysis Decomposition Over The La Plata River Highly Turbid Waters. *1st Symposium of the Argentine Chapter of Geosciences and Remote Sensing Society (IGRSS)*. Buenos Aires, Argentina. June 16th, 2016.
- Dogliotti A I., Gossn J. I., Guerrero R . Variabilidad estacional e interanual (ENSO) de los sedimentos en el Río de la Plata a partir de imágenes de turbidez MODIS-Aqua. *IX Jornadas Nacionales de Ciencias del Mar – Ciencia y Sociedad: integrando saberes en los estudios del Mar*. Ushuaia, Argentina. 20-25 September, 2015.
- Andreo V, Dogliotti AI, Tauro CB, Torrusio S. Análisis de la variabilidad espacio-temporal de florecimientos fitoplanctónicos en el Talud y Plataforma Continental Argentina mediante sensores remotos (período 2003-2013). *IX Jornadas Nacionales de Ciencias del Mar – Ciencia y Sociedad: integrando saberes en los estudios del Mar*. Ushuaia, Argentina. 20-25 September, 2015.

- Camiolo MD, Jaureguizar AJ, Cozzolino E, Simionato CG, Dogliotti AI, Lasta CA. Material particulado en suspensión satelital: su rol en la distribución espacial de las tallas de corvina rubia (*Micropogonias furnieri*) en el Río de la Plata. *IX Jornadas Nacionales de Ciencias del Mar – Ciencia y Sociedad: integrando saberes en los estudios del Mar*. Ushuaia, Argentina. 20-25 September, 2015.
- Knaeps, E., Raymaekers, D., Ruddick, K., Nechad, B., Doxaran, D., and Dogliotti, A. SEASWIR: Remote sensing of extremely turbid waters: an evaluation of the SWIR spectral region. *Belgian Earth Observation Day 2014*. Lier, Belgium. 20 November, 2014.
- Dogliotti, A. I., Ruddick, K., Doxaran, D., Raymaekers, D., Lamaro, A., Ibáñez, G. and Knaeps, E. Assessing turbidity and total suspended matter algorithms using field reflectance measurements in the Río de la Plata estuary. *33rd EARSeL Symposium 2013, 6th Workshop on Remote Sensing of the Coastal Zone*, Matera, Italy. 5-7 June 2013.
- Dogliotti, A. I., Ruddick, K., Knaeps, E., Raymaekers, D., Doxaran, D., G. Ibáñez, and Lamaro, A. Performance of VIS/NIR and NIR Turbidity and Total Suspended Matter concentration algorithms in 3 turbid waters: Scheldt, Gironde, Río de la Plata. *CoastColour and SeaSWIR User Consultation Meeting*, Darmstadt, Germany. 9 – 10 May, 2013.
- Knaeps, E., Ruddick, K., Dogliotti, A., Doxaran, D., Sterckx, S., Raymaekers, D., Nechad, B. Remote sensing of turbid waters. A closer look at the SWIR. *3rd EOS Topical Meeting on Blue Photonics - Optics in the Sea (Blue Photonics 3)*, Texel, Netherlands. 18 - 20 March 2013.
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- Gossn, J. I. and Dogliotti, A. I. Correspondence between in-situ derived water reflectances from Río de la Plata and Kubelka-Munk model in the RED/NIR/SWIR range. *HIGHROC Science Conference*. Brussels, Belgium, 7 - 9 November 2017.
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- 1º Semester. Deliverables 1-7 30-04-2014/11-06-2014; p. 1 - 51.

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WORKSHOPS, SEMINARS AND CONFERENCES

Organization of international meetings

- Member of the Scientific Steering Committee of the HIGHROC Science Conference in Brussels, Belgium on 7-9 November 2017.
- Member of the Planning Committee of the Ocean Optics XIV Conference that will be held in Dubrovnik, Croatia in October 2018.
- Member of the Scientific Planning Committee of the Third International Ocean Colour Science (IOCS) meeting in Lisbon, Portugal on 15-18 May 2017.
- Member of the Scientific committee of the 2016 SELPER International Symposium, held in Puerto de Iguazú, Argentina from 7-11 November 2016.
- Co-Organizer of the Workshop "Current state of knowledge of the Paraná delta and Río de la Plata". Geologic Department, University of Buenos Aires, July 14-15, 2016.
- Co-Organizer of the Workshop "Advancing in the understanding and modeling of the sedimentological and biogeochemical processes in the Río de la Plata Estuary". Carried out in the frame of Institut Franco-Argentin sur le Climat et ses Impacts (UMI-IFAECI). Inst. de Astronomía y Física del Espacio (IAFE) and Centro de Investigaciones del Mar y la Atmósfera (CIMA), April 8-10, 2015.
- Organizer of the *Río de La Plata Optical Experiment Workshop*. Inst. de Astronomía y Física del Espacio (IAFE) Buenos Aires, November 20, 2012.

Talks at National and International Workshops and Meetings

- *Research and applications of ocean colour radiometry in the very turbid waters of the Río de la Plata river (Argentina)*. International Ocean Color Science Meeting 2017. 15-18 May, 2017, Lisbon, Portugal.
- *Validation of water leaving reflectance and turbidity in the Rio de La Plata*. Sentinel-3 Validation Team Meeting. 15-17 February 2017, ESA-ESRIN, Frascati, Italy.
- *OLCI L1 and L2 data in the Río de la Plata waters*. Sentinel-3 expert meeting. 28-30 June 2016, ESA-ESRIN, Frascati, Italy.
- *Bio-optical studies in the Argentine Sea*. 10th Aquarius/SAC-D Science Meeting. Buenos Aires, Argentina. 17-19 December, 2015.
- *Sensoramiento remoto y aplicaciones en el Atlántico Sudoccidental*. Plenary Meeting of the Instituto Franco-Argentino sobre Estudios de Clima y sus Impactos (UMI IFAECI - 3351). Buenos Aires, Argentina. 11-12 December, 2014.
- *Above- and in-water radiometric measurements: Methodology and Protocols*. 1° Spectroradiometer User Meeting. Buenos Aires, Argentina. September 23-24, 2014.
- *Atmospheric correction in La Plata River challenging turbid waters. Workshop on atmospheric correction of ocean color satellite data in coastal waters: algorithms and uncertainties*. Wimereux, France. 13-14 June, 2012.
- *Oceanography from Space ANTARES stations as representative of some bio-geochemical provinces of America*. 2011 GEO CIEHLYC Water Cycle Capacity Building Workshop. Cartagena, Columbia. Nov. 28 - Dec. 2, 2011.
- *CoastColour products over La Plata River Site*. 3rd CoastColour User Consultation Meeting. Lisbon, Portugal. October 19-20, 2011.
- *La Plata River Plume, challenging waters for atmospheric correction and TSM algorithms (New results)*. BELCOLOUR-2 Steering Committee Meeting. Oostende, Belgium. 19 May 2011.
- *First analysis of MERIS data over the highly turbid waters of La Plata River*. MERIS Validation Team Meeting. Joint Research Centre. Ispra, Italy. March 8-10, 2011.
- *Plans for AERONET-OC stations in turbid waters (Argentina and Belgium)*. AERONET-OC: 1st Workshop Overview and Future Developments. JPSS Program Office, Greenbelt, Maryland, USA. February 23 -24, 2011.
- *La Plata River Plume, challenging waters for atmospheric correction and TSM algorithms*. 2nd CoastColour User Consultation Meeting. European Space Agency (ESA). Frascati, Italy. November 16-17, 2010.
- *La Plata River Plume, challenging waters for atmospheric correction and TSM algorithms*. BELCOLOUR-2 Plenary Meeting #4. Villefranche-Sur-Mer, France. 18-19 October, 2010.

- *Ocean Color Imagery: Global and Regional Sensors*. Proyecto Satélite Argentino-Brasileño de Investigación Ambiental SABIA-MAR. Buenos Aires, Argentina. May 12-13, 2008.
- *Remote Sensing of Ocean Color in the Patagonian Shelf*. Multidisciplinary Workshop on Southern South American Dust. Puerto Madryn, Argentina. October 3-5, 2007.
- *Argentina's MMRS Sensor aboard SAC-C*. 10th Committee Meeting of the International Ocean-Colour Coordinating Group. Isla Margarita, Venezuela. January 19-21, 2005.

Attendance to National and International Meetings (last 5 years)

- *HIGHROC Science Conference*. Brussels, Belgium. 7-9 November, 2017.
- *International Ocean Color Science Meeting 2017*. Lisbon, Portugal. 15-18 May, 2017.
- *Sentinel-3 Validation Team Meeting*. Frascati, Italy. 15-17 February, 2017.
- *Ocean Optics XXIII Conference*. Victoria (BC), Canada. 23 - 28 Oct., 2016.
- *Evaluación de los Servicios Ecosistémicos Marinos en las Estaciones de Serie de Tiempo de la Red Latinoamericana Antares*. Interdisciplinary Workshop in the frame of IAI- CRN3094 Project, Mar del Plata, Argentina. 13-17 June 2016.
- *2016 ESA Living Planet Symposium*. Prague, Czech Republic, 9-13 May 2016
- *10th Aquarius/SAC-D Science Meeting*. Buenos Aires, Argentina. 17-19 December, 2015.
- *IX Jornadas Nacionales de Ciencias del Mar – Ciencia y Sociedad: integrando saberes en los estudios del Mar*. Ushuaia, Argentina. 20-25 September, 2015.
- *International Ocean Colour Science (IOCS) Meeting 2015*. San Francisco, United States of America. 15-18 June, 2015.
- *Sentinel-3 for Science Workshop*. Venice-Lido, Italy, 2-5 June, 2015.
- *Plenary Meeting of the Instituto Franco-Argentino sobre Estudios de Clima y sus Impactos (UMI IFAECI - 3351)*. Buenos Aires, Argentina. 11-12 December, 2014.
- *Workshop on South Atlantic circulation variability and change: integrating models and observations (smr 2635)*. Buenos Aires, Argentina. 1-5 December, 2014.
- *Ocean Optics XXII*. Portland, United States of America. 26 - 31 October, 2014.
- *1º Spectro-radiometer User Meeting*. Buenos Aires, Argentina. September 23-24, 2014.
- *33rd EARSeL Symposium 2013, 6th Workshop on Remote Sensing of the Coastal Zone*, Matera, Italy. 5-7 June 2013.
- *45th International Liège Colloquium on Ocean Dynamics: "Primary Production in the Ocean: from the synoptic to the Global Scale"*. Liege, Belgium. 13-17 May, 2013.

- *CoastColour and SeaSWIR User Consultation Meeting*. Darmstadt, Germany. 9-10 May, 2013.
- *International Ocean Colour Science (IOCS) Meeting*. Darmstadt, Germany. 6-8 May 2013.
- *SABIA/MAR Project. User Consultation Meeting*. Buenos Aires, Argentina. 15 March 2013.
- *Congreso Argentino de Teledetección 2012: El medio ambiente y sus cambios: un desafío para la información espacial (CAT-2012)*. Ciudad de Córdoba, Argentina. 18-21 September, 2012.
- *Workshop on atmospheric correction of ocean color satellite data in coastal waters: algorithms and uncertainties*. Wimereux, France. 13-14 June, 2012.
- *44th International Liège Colloquium on Ocean Dynamics: "Remote sensing of colour, temperature and salinity – new challenges and opportunities"*. Liege, Belgium. 7-11 May, 2012.
- *7th Aquarius/SAC-D Science Meeting*. Buenos Aires, Argentina. April 11-13, 2012.
- *2011 GEO CIEHLYC Water Cycle Capacity Building Workshop*. Cartagena, Columbia. Nov. 28 - Dec. 2, 2011.
- *3rd CoastColour User Consultation Meeting*. Lisbon, Portugal. October 19-20, 2011.
- *MERIS Validation Team Meeting*. Lisbon, Portugal. October 18, 2011.
- *VI International Conference "Current problems in optics of natural waters" (ONW'2011)*. Saint-Petersburg, Russia. 6-10 September, 2011.
- *Chlorophyll Globally Integrated Network (ChloroGIN) Workshop*. Halifax, Nova Scotia, Canada. 9-11 August, 2011.
- *5th EARSeL Workshop on Remote Sensing of the Coastal Zone*. Prague, Czech Republic. 1-3 June, 2011.
- *MERIS Validation Team Meeting*. Ispra, Italy. 8-10 March, 2011.
- *AERONET-OC: 1st Workshop Overview and Future Developments*. Greenbelt, Maryland, USA. 23-24 February, 2011.

SHORT TERM VISITS TO RESEARCH INSTITUTIONS

- Short-term visitor at the Laboratoire d'Océanographie de Villefranche-sur-Mer (LOV), France. May 2017. Invited by Dr. David Doxaran.
- Short-term visitor at the Remote Sensing and Ecosystem Modelling Team (REMSEM), Management Unit of the North Sea Mathematical Models (MUMM), Royal Belgian Institute for Natural Sciences (RBINS). Brussels, Belgium. 4-17 July, 2010; 1 May-1 July, 2012; 20 May-6 June, 2013; 17-28 February, 2014; 19-29 May, 2015; 17 May-2 June, 2016; 27 March-7 April and 13-17 Nov, 2017. Invited by Dr. Kevin Ruddick.
- Short-term visitor at the Oceanographic Institute at the Fundação Universidade Federal do Rio Grande (FURG), Brazil. July 2009 and May-June 2010. Invited by Prof. Carlos A.E. Garcia.

- Short-term visitor at Instituto Nacional de Investigación y Desarrollo Pesquero (INIDEP); July 2007. Invited by Dra. Vivian Lutz.
- Short-term visitor at Scripps Institution of Oceanography (ISO), San Diego, USA; July 2005. Invited by Dr. Robert Frouin.
- Short-term visitor at Instituto Canario de Ciencias Marinas (ICCM), Gran Canaria, Islas Canarias, Spain. February-March 2003. Invited by Dr. Javier Pérez-Marrero.
- Short-term visitor at Centro Nacional Patagónico (CENPAT). May and November 2003. Invited by Dr. Gagliardini.

OTHER PROFESSIONAL ACTIVITIES

Participation in oceanographic cruises

- Field campaign in Spuikom (Oostend, Belgium) in the frame of TURBINET project. 25 May, 2016.
- Field campaign in La Plata River (Buenos Aires, Argentina) in the frame of TURBINET project. 16-25 November, 2015.
- Field campaign in La Plata River (Buenos Aires, Argentina) in the frame of SeaSWIR project. 12-23 November, 2012.
- Field campaign in Le Gironde Estuary (Pauliac, France) in the frame of SeaSWIR project. 15-16 June, 2012.
- Field campaign in the Scheldt River, Sint Anna Pontoon (Antwerp, Belgium) in the frame of SeaSWIR project. 2 and 5 June, 2012.
- Participation in BELGICA cruise 2011-19. On board the R/V Belgica. MUMM/RBINS. Zeebrugge, Belgium. 4th – 7th July 2011.
- Field campaign in the Scheldt River, Sint Anna Pontoon (Antwerp, Belgium). 15 July and 26 October 2010.
- Participation in BELGICA cruise 2010-18. On board the R/V Belgica. MUMM/RBINS. Zeebrugge, Belgium. 5th – 9th July 2010.
- Participation in PATEX-6 cruise within the SOS-Climate project on board the N.Ap.Oc. Ary Rongel. Rio Grande (Brazil) - Mar del Plata (Argentina), 12-16 October 2008.
- Participation in leg number 3 of the BEAGLE 2003 (Blue Earth Global Expedition), an international circumpolar cruise in the Southern Hemisphere on board the R/V Mirai cruise. Training in bio-optical and other oceanographic measurements Bio-optical Scientist, Vivian Lutz. Valparaíso (Chile) - Santos (Brazil), 19 Oct. - 2 Nov. 2003.

Editorial activities in International Journals

- Guest Editor of Special Issue of *Remote Sensing* (ISSN 2072-4292): "Remote Sensing in Coastal Zone Monitoring and Management—How Can Remote Sensing Challenge the Broad Spectrum of Temporal and Spatial Scales in Coastal Zone Dynamic?". Nov 2017-Sep. 2018.
- Referee for *Deep Sea Research II*, *Water Resources Research*, *AGU Journal*, *Ocean Dynamics*, *Estuarine, Coastal and Shelf Science*, *Optics Express*, *Advances in Space Research*, *Ocean*

Science, Remote Sensing, Memoria de la Fundación La Salle de Ciencias Naturales, International Journal of Remote Sensing, Journal of Geophysical Research, Remote Sensing of Environment, Ciencias Marinas (International Journal of Marine Sciences), Continental Shelf Research, Journal of Marine Systems, Journal of Applied Remote Sensing.

Member of Evaluation Committees

- Member of the committee of PhD thesis of Carolina Doña Monzó. 2017. Doctorate in Remote Sensing, Department de Física de la Terra i Termodinàmica, Facultat de Física, Universitat de Valencia, Spain.
- Member of the committee of Master thesis of Robert Runya. 2016. Master of Science in Marine and Lacustrine Science and Management (Oceans and Lakes). Vrije Universiteit Brussel (VUB), Universiteit Antwerpen (UAntwerpen), Universiteit Gent (UGent), Belgium.
- Member of the Advisory Commission for Scholarships at CONICET (National Research Council for Science), Argentina. (2015-2016)
- Evaluator of candidates for research position at CONICET (National Research Council for Science), Argentina.
- Evaluator of research projects for the Agencia Nacional de Promoción Científica y Tecnológica (ANPCyT), Argentina.
- Member of the committee of Master thesis of Jeane Patricio Rodrigues. 2014. Post-graduate program of Physical, chemical and geological oceanography of the Federal University of Río Grande (FURG), Brazil.
- Member of the committee of Master thesis of Ella Soares Pereira. 2013. Post-graduate program of Physical, chemical and geological oceanography of the Federal University of Río Grande (FURG), Brazil.
- Member of the committee of graduation thesis of Magdalena Carranza. 2009. Atmospheric and Oceanographic Science Department, University of Buenos Aires (UBA), Argentina.
- Member of the committee of graduation thesis of Ana Paula Berger. 2008. Institute of Oceanography, Federal University of Río Grande (FURG), Brazil.

FELLOWSHIPS AND GRANTS

Doctoral Fellowship

- Doctoral Fellow, “*Agencia Nacional de Promoción Científica y Tecnológica*”. Director: Dr. D. A. Gagliardini (IAFE /CONICET). Period: 2001- 2002.
- Doctoral Fellow, National Research Council (CONICET), Argentina. Director: Dr. D. A. Gagliardini (IAFE /CONICET). Period: 2003-2007.

Postdoctoral Fellowship

- Research Fellowships of the Belgian Federal Science Policy Office (BELSPO). BELCOLOUR-ARG Project. Period: Oct. 2010 – Oct. 2011 (plus one-month extension in May 2012).
- Postdoctoral Fellow, Pós-Doutorado Júnior del Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq), Brasil. Period: Feb. 2008 - Feb. 2009.

Grants (PI)

- *Caracterización de derrames utilizando técnicas de polarimetría SAR*. Proyecto AO para el desarrollo de Aplicaciones en el Área Oceanográfica con Imágenes SAR de la Misión SAOCOM - IAFE/CONAE (2016-2018). PI. Dra. Dogliotti.
- *Calibración y validación de algoritmos y productos satelitales en el Río de la Plata*. Financed by the Agencia Nacional de Promoción Científica y Tecnológica (ANPCyT). PICT 2014-0455 (2016-2019). PI. Dra. Dogliotti.
- *Equipamiento para investigación astronómica y desarrollo espacial*. Financed by the Agencia Nacional de Promoción Científica y Tecnológica (ANPCyT). PICT-E 2014-0132. PI. Dra. Dubner; Co-PI: Dra. Dogliotti.
- *Evaluación cualitativa y cuantitativa de las distintas componentes de la radiación solar que llegan al sensor para el estudio del color del mar: su aplicación en la costa occidental del Océano Atlántico*. Financed by Comisión Nacional de Actividades Espaciales (CONAE) 2014-2016. PI: Dra. Dogliotti.
- *Caracterización bio-óptica del Río de la Plata para la validación y calibración de datos satelitales*. Financed by Consejo Nacional de Actividades Científicas y Técnicas (CONICET). PIP 2013-2015 (11220120100350). PI. Dra. Dogliotti. Co-PI: Dr. V. Lutz.
- *Aplicación y ajuste de modelos satelitales para estimar la producción primaria en el Mar Argentino*. Financed by the Agencia Nacional de Promoción Científica y Tecnológica (ANPCyT). PICT 2008-0146 (2010-2011). PI. Dra. Dogliotti.
- *Variabilidad de la producción primaria en el Mar Argentino: estimación mediante datos de campo y satelitales*. Financed by Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET). PIP 2010-2012 (11220090100698). Co-PI. Dra. Dogliotti. PI: Dr. V. Lutz.

Grants (Collaborator)

- *Modelado operacional del Río de la Plata y su Frente Marítimo para el estudio de procesos, su monitoreo y pronóstico: una contribución a las iniciativas Argentina Innovadora 2020 y Pampa Azul*. Financed by the Agencia Nacional de Promoción Científica y Tecnológica (ANPCyT). PICT 2014-2672 (2015-2018). PI. Dra. Cl. Simionato.
- *Assessment of Marine Ecosystem Services at the Latin- American Antares Time-Series Network*. Funded by the Inter-American Institute for Global Change Research CNR-3094 (2013-2017). PI: Dr. M. Kampel (INPE, Brasil).

- *Iniciativa Pampa Azul, área de estudio Golfo San Jorge*. Expert in remote sensing of oceanic variables.
- *Iniciativa Pampa Azul, área del Sistema fluvio-marítimo del Río de la Plata*. Expert in remote sensing of estuarine and turbid waters.
- *Observación, estudio y modelado de los procesos que controlan la dinámica de los sedimentos finos en el Río de la Plata, con aplicación a las pesquerías regionales*. Financed by the Agencia Nacional para la Promoción Científica y Tecnológica (ANPCyT). PICT-10 1831 (2011-2013). PIs: Dra. C. Simionato and W. Dragani.
- *Balance y variabilidad espacio-temporal del flujo de CO₂*. Financed by the National Ministry of Defense (Argentina). PIDDEF-47-11 (2011-2012). PI: Dr. A. Bianchi and Co-PI: Dr. V. Lutz.
- *Base de datos satelitales: caracterización de ambientes y estudio de recursos vivos del mar Argentino*. Financed by the Agencia Nacional para la Promoción Científica y Tecnológica (ANPCyT). PICT-06 07-00649 (2008-2010). PIs: Dr. D.A. Gagliardini and A. L. Rivas.
- *Determinación de características ambientales del golfo San Matías mediante información satelital y datos de campañas: contribución al manejo de los recursos pesqueros*. Financed by the Agencia Nacional de Promoción Científica y Tecnológica (ANPCyT). PICT-03 07-15221 (2005-2007). PIs: Dr. D.A. Gagliardini and Dra. Maite A. Narvarte.
- *Producción Primaria del Frente de Talud y Plataforma Patagónica Sur: primera estimación conjunta a partir de datos de campo y satelitales*. A competitive sub-project within the Project Prevención de la Contaminación Costera y Gestión de la Diversidad Biológica Marina. FMAN/BIRF. Financed by the Global Environmental Facility (GEF). N° 28385 (2005-2007). PIs: Dr. V. Lutz and Dr. D. A. Gagliardini.
- *Exploring the Importance of Boundary Ecosystems in the Argetninean Sea*. Project financed by Fundación Antorchas (July 2004- July 2007). PI: Dr. O. Iribarne.
- *A Living Landscape Approach To The Patagonian Large Marine Ecosystem*. Project financed by Fundación Antorchas (July 2004- July 2006). PI: Dr. C. Campagna.
- *Coastal Ecosystems of the South American Region (CESAR): An integrated satellite data management and distribution system*. Project financed by the Inter American Institute (IAI), 2004. PI: Dr. O. Ulloa (Chile). Member of the ANTARES network.
- *Identificación de ambientes oceánicos y costeros mediante información satelital y datos de campañas: Contribución al manejo de los recursos vivos del Mar Argentino*. Financed by the Agencia Nacional de Promoción Científica y Tecnológica (ANPCyT). PICT 99-06581. Doctoral Fellowship. PI: Dr. D. A. Gagliardini.

International Cooperation

- *Turbidez del agua vista desde el Espacio: validación de productos satelitales para el monitoreo de los estuarios del Río de la Plata y Tagus (PLATAGUS)*. *Bilateral Cooperation Argentina-Portugal*. FCT and MinCyT. PIs: Dogliotti, Ana I. - Sá, Carolina.
- *Estudos sobre ótica e sensoriamento remoto de águas costeiras para a implementação do módulo de Sensoriamento Remoto do SiMCosta*. Funded by Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq). 2017-2020. International collaborator. Coordinator: Dr. C.A.E. García.
- *A new hyperspectral radiometer integrated in automated networks of water and land bidirectional reflectance measurements for satellite validation (HYPERNETS)*. Funded by the European Commission. H2020-SC5-2016-2017. 2017-2021. Coordinator: Dr. K. Ruddick.
- *Hyperspectral and multi-mission high resolution optical remote sensing of aquatic environments (HYPERMAQ)*. International Partner. Funded by the Belgian Federal Science Policy Office (BELSPO). 2017-2020. PI: Dr. K. Ruddick.
- *A network for marine optics measurements in turbid waters (TURBINET)*. Funded by the Belgian Federal Science Policy Office (BELSPO). 2014-2016. PI: Dr. K. Ruddick, Co-PI: Dr. A. Dogliotti.
- *Passive and RADar Imaging of the San Jorge Ecosystem (PARADISE)*. A joint research proposal between Argentina and Canada to study the ecosystem of the San Jorge Gulf (Argentina) using space-borne sensors as part of the MARES (MARine ecosystem health of the San Jorge Gulf: Present status and RESilience capacity) Program. PI-Argentina: Dra. Dogliotti, PI-Canada: Dr. P. Larrouche.
- *Remote sensing of turbid waters in the Short Wave Infrared (SWIR: 1-3 μ m) – SeaSWIR*. International Partner. Funded by the Belgian Federal Science Policy Office (BELSPO). 2012-2014. PI: Dr. E. Knaeps, Co-PI: Dr. K. Ruddick.
- *Estudos nos Oceanos Atlântico Sul e Austral para a Compreensão do Clima Global*. Financed by Fundação Coordenação de Aperfeiçoamento de Pessoal de Nível Superior (CAPES), Brazil. International collaborator. PI: Dr. C. A. E. García.

TEACHING

Teaching Graduate and Postgraduate courses

- Professor, *Marine Optics and Remote Sensing*. Post-graduate course at the Department of Atmospheric Sciences and Oceans (DCAO), at the University of Buenos Aires (UBA). Buenos Aires, 11-20 July 2017 (48 hs).
- Professor, *Remote Sensing of oceanic, coastal and inland waters*. Organized by Instituto de Altos Estudios Espaciales Mario Gulich del Centro Espacial Teófilo Tabanera de la CONAE and Facultad de Matemática, Astronomía y Física (FAMaF) de la Universidad Nacional de Córdoba. Buenos Aires, 3-8 July 2017. (60 hs)
- Professor, *Remote Sensing of oceanic, coastal and inland waters*. Organized by Instituto de Altos Estudios Espaciales Mario Gulich del Centro Espacial Teófilo Tabanera de la

CONAE and Facultad de Matemática, Astronomía y Física (FAMaF) de la Universidad Nacional de Córdoba. Falda del Carmen- Córdoba, 29 November - 7 December 2016. (60 hs)

- Professor, *Phytoplankton bio-optical variability: application to the study of coastal systems*. Intensive course at the Faculty of Marine Science, University of Baja California. Ensenada, Mexico, January 19 - February 06, 2015. This course is part of a training program promoted by Nippon Foundation-POGO Centre of Excellence in Observational Oceanography at the Alfred Wegener Institute (CofE-AWI) and NF-POGO Alumni Network for Oceans (NANO).
- Professor, *Oceanic bio-optical properties and their applications to Primary production modeling*. Pos-graduate course at the National University of Mar del Plata (Faculty of Natural Sciences). Mar del Plata, Buenos Aires, Argentina, 19 – 27 August 2014.
- Professor, *Ocean Color: theory and satellite image processing*. Course dictated at the National Institute of Fisheries (Instituto Nacional de Investigación y Desarrollo Pesquero, INIDEP), 40 hrs. Mar del Plata, Buenos Aires, Argentina, 3 – 7 September 2012.
- Professor, *Antares-ChloroGIN Workshop on Ocean Colour*. Hands-on training course dictated within GEO CIEHLYC 2nd Water Cycle Capacity Building Workshop. Cartagena, Columbia. Nov. 30 - Dec. 1, 2011.
- Teaching Assistant, *Satellite Remote Sensing of Marine Environments: Basic concepts and Applications*. Dictated by Dr. D. A. Gagliardini. Postgraduate Course within the Project Fundación Antorchas N° 13900-13. “Exploring the Importance of Boundary Ecosystems in the Argentinean Sea/Marine Area”. Mar del Plata, Argentina. March 2006.
- Guest lecturer, within the Data Mining & Knowledge Discovery Master Program. Lectures topics included *Basic Concepts on Remote Sensing and Sea Surface Temperature (SST)*. Facultad de Ciencias Exactas y Naturales y la Facultad de Ingeniería. Buenos Aires, Argentina. Second Semester 2004.
- Teaching Assistant, *Remote Sensing of Marine Environments*. Coordinated and dictated by Dr. D. A. Gagliardini. Postgraduate Course within the Project FMAM/BIRF 28385-AR and PNUD ARG 02/018 “Conservación de la Diversidad Biológica y Prevención de la Contaminación Marina en Patagonia”. Buenos Aires, Argentina. December 2003.
- Teaching Assistant, *Remote Sensing in Coastal Environments: Basic Concepts and Applications*. Coordinated and dictated by Dr. D. A. Gagliardini and MSc. Haydée Karszenbaum. International Postgraduate Course FEMCIDI-OEA. Facultad de Ciencias de la Universidad de la República. Montevideo, Uruguay August 2002.

HUMAN RESOURCES EDUCATION

Professional training

2012 - 2013. Co-supervisor of María Guillermina Ruiz. Training scholarship funded by NANO-Latinoamérica Project, of the Nippon Foundation and Partnership for the Observation of the Global Oceans. [Co-Advisor (shared responsibilities): Dra. Vivian Lutz].

Undergraduate thesis

2014-2015. Thesis supervisor of Juan Ignacio Gossn. Physics Department, University of Buenos Aires. "*Atmospheric correction of ocean color images in turbid waters using simulations and field data*". Defended: 11 March 2015.

2015-2016. Thesis supervisor of Giuliana Berden. Department of Department of Atmospheric Sciences and Oceans (DCAO), University of Buenos Aires. "*Estudio de la relación entre turbidez y concentración de sedimentos en suspensión en función de la granulometría en el Río de la Plata*". Defended: 29 November 2016.

PhD Thesis

2015-present. PhD Thesis supervisor of Lic. Juan Ignacio Gossn. Physics Dept. University of Buenos Aires. Topic: "Atmospheric correction of ocean color images over the very turbid waters of Río de la Plata". Under a PhD scholarship (CONICET).

2013-present. PhD Thesis co-supervisor of Lic. María Guillermina Ruiz. Biology Dept. University of Mar del Plata. Topic: "Study of the variability of bio-optical properties in the time series "Estación Permanente de Estudios Ambientales" (EPEA) complementing in situ and satellite measurements". Under a PhD scholarship (CONICET).

2016-2017. PhD Thesis supervisor of Lic. Nora G. Glembocki. Biology Dept. University Nacional del Comahue. Topic: "Identification of oceanographic phenomena that govern the biological productivity in the coastal area of Patagonia Argentina - A study based on the use of remote sensors".

Post-doc

2017-2019. Postdoctoral supervisor of Dr. Carolina Garcia Vieira Sá. Topic: "Development of ocean-color products for the monitoring of water quality of Portuguese WATERS from SPACE [PTWATERS-SPACE]". Under a post-doctoral fellowship Fundação para a Ciência e a Tecnologia (FCT), Ministerio da Ciencia Tecnologia e Ensino Superior, Portugal (reference SFRH/BPD/118760/ 2016).

2014-2017. Postdoctoral supervisor of Dr. Ana Laura Delgado. Topic: "Las propiedades ópticas de la plataforma interior del sur de la provincia de buenos aires: calibración y validación de los productos satelitales Aqua MODIS". Under a post-doctoral fellowship (CONICET).

Master Thesis

2015. M.Sc thesis supervisor of Verónica C. Andreo. Master in "Aplicaciones Espaciales de Alerta y Respuesta Temprana a Emergencias". Instituto de Altos Estudios Espaciales Mario Gulich del Centro Espacial Teófilo Tabanera de la CONAE and Facultad de Matemática, Astronomía y Física (FAMaF) de la Universidad Nacional de Córdoba.

Topic: "Spatio-temporal variability of phytoplankton blooms in the Patagonian continental shelf and slope by means of remote sensing of ocean color". Defended: 25 February 2015.

Researcher

2017-present. Assistant Researcher supervisor of Ana Laura Delgado. Instituto Argentino De Oceanografía (IADO). Topic: "*Estudio de las propiedades bio-ópticas in situ y satelitales*". Co-supervisor: Dra. Paula Pratolongo.

2016-present. Assistant Researcher co-supervisor of María Laura Sanchez. Institute of Ecology, Genetics and Evolution, University of Buenos Aires. Topic: "*Study of limnological change of Río Salado basin's lagoons by means of in situ and remote sensing data*". Supervisor: Dra. Irina Izaguirre.

Scholarships

2015-2020. Supervisor of Juan Ignacio Gossn. Doctoral Scholarship from CONICET. Topic: Atmospheric correction for sea color images of turbid waters in Río de la Plata.

2015-2017. Co-supervisor of Martina Camiolo. Doctoral Scholarship from CONICET. Topic: "Suspended particulate matter distribution and its relationship to coastal fisheries through the use of satellite image". Supervisor: Dr. Carlos Lasta.

2014-2016. Co-supervisor of Dr. Ana Laura Delgado. Postdoctoral fellowship from CONICET. Topic: "Las propiedades ópticas de la plataforma interior del sur de la provincia de buenos aires: calibración y validación de los productos satelitales Aqua MODIS". Supervisor: Dra. María Cintia Piccolo.

2013-2018. Co-supervisor of María Guillermina Ruiz. Doctoral Scholarship from CONICET. Topic: " Study of the variability of bio-optical properties in the time series "Estación Permanente de Estudios Ambientales" (EPEA) complementing in situ and satellite measurements". Supervisor: Dra. Vivian Lutz.

SPECIAL SKILLS

IT skills

MATLAB, good knowledge and familiarity with UNIX and LINUX operating systems, Windows operating system, Basic LINUX scripting

Languages

English, Italian and Portuguese (Fluent speaking and reading), French (Basic knowledge)

Dr. Ana I. Dogliotti

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