

Most relevant achievements obtained within WP6

Scientific publications and talks

Papers

Almeida, L.P., Ferreira, Ó., Pacheco, A. (2010). Thresholds for morphological changes as a function of wave height on a sandy exposed beach. **Earth Surface Processes and Landforms** (*In press* – link <http://onlinelibrary.wiley.com/doi/10.1002/esp.2072/full>).

Almeida, L.P., Voudoukas, M.I., Ferreira, Ó., Rodrigues, B., Matias, A.. Thresholds for storm impacts on a sandy exposed coastal area. **Geomorphology** (submitted, GEOMOR-S-10-00455).

Almeida, L. P., Ferreira, Ó., Voudoukas, M., Dodet, G., 2010. Wave Historical Storminess in the South of Portugal. **Natural Hazards and Earth System Sciences** (*Under preparation*).

Armadori, C. and Ciavola, P. (in press). Dynamics of a nearshore bar system in the northern Adriatic: a video-based morphological classification. *Geomorphology* (Elsevier) doi: 10.1016/j.**Geomorph**.2010.11.004

Armadori, C. Ciavola, P. Masina, M. and Perini, L. (2009). Run-up computation behind emerged breakwaters for marine storm risk assessment. **Journal of Coastal Research**, SI 56, 1612 – 1616.

Armadori C., Ciavola P., Masina M., Perini L., Calabrese L., Luciani P., Lorito S., Valentini A. (2010). Critical storm thresholds for significant morphological changes and damage along the Emilia-Romagna coastline, Italy. Submitted to **Geomorphology**.

Benavente, J., Del Río, L., Plomaritis, T., Ribera, P. y Gallego, D. (2009). Temporales marítimos en el Golfo de Cádiz: Implicaciones en la gestión costera. **Ciencias e Ingeniería al Día**. In press.

Brown, J. M., (2010) A case study of combined wave and water levels under storm conditions using WAM and SWAN in a shallow water application. **Ocean Modelling**, 35(3):215-229.

Brown, J.M., Souza, A.J. & Wolf, J. (2009). Surge modelling in the Eastern Irish Sea: present and future storm impact, Accepted subject to minor corrections in **Ocean Dynamics**, special issue: PECS 2008: Physics of Estuaries and Coastal Seas, LIVERPOOL, UK, 25-29th August 2008.

Brown J.M. & Wolf J. (2009). Coupled wave and surge modelling for the eastern Irish Sea and implications for model wind-stress. **Continental Shelf Research**, 29(10): 1329–1342, doi: 10.1016/j.cr.2009.03.004.

Brown, J. M., Souza, A. J., & Wolf, J. (2010) An 11-year validation of wave-surge modelling in the Irish Sea, using a nested POLCOMS-WAM modelling system. **Ocean Modelling**, 33(1-2): 118-128, doi: 10.1016/j.ocemod.2009.12.006

Brown, J. M., Souza, A. J., & Wolf, J. (2010) An investigation of recent decadal-scale storm events in the eastern Irish Sea. **Journal of Geophysical Research (Oceans)**. 115(C05018):12pp, doi:10.1029/2009JC005662

Ciavola, P. and Armaroli, C. (in press). Evoluzione recente del sistema dunale di Lido di Dante-Foce Bevano (Ravenna): fattori naturali ed impatto antropico. **Studi Costieri**.

Del Rio L.; Plomaritis, T. A.; Benavente, J.; Valladares, M.; Ribera P. Establishing storm thresholds for the Spanish Gulf of Cádiz Coast. (accepted, GEOMOR-S-10-00455).

Dodet G, Bertin, X, Taborda (2010) - Wave climate variability in the North-East Atlantic Ocean over the last six decades. *Ocean Modelling*, Volume 31, Issue 3-4, January 2010, Pages 120-131. Papers select as top 1, in the top 25 hottest articles

Ferreira, Ó., Ciavola, P., Armaroli, C., Balouin, Y., Benavente, J., Del Río, L., Deserti, M., Esteves, L.S., Furmanczyk, K., Haerens, P., Matias, A., Perini, L., Taborda, R., Terefenko, P., Trifonova, E., Trouw, K., Valchev, N., Van Dongeren, A., Van Koningsveld, M. and Williams, J.J. (2009). Coastal Storm Risk Assessment in Europe: Examples from 9 study sites, **Journal of Coastal Research**, SI 56, 1632 – 1636.

Furmanczyk K., 2008. Projekt Micore (Morphological impacts and coastal risks induced by extreme storm events) wpływ sztormu ekstremalnego na morfologię brzegu i zagrożenie powodziowe. ZZOP w Polsce – Stan obecny i perspektywy, **Problemy Zintegrowanego Zarządzania Obszarami Przybrzeżnymi**, red. Furmanczyk, pp.227-231. ISBN 978-83-60903-68-1.

Furmanczyk K., Dudzińska-Nowak J., 2009. Effect of extreme storms on coastline changes: a southern Baltic example. **Journal of Coastal Research SI 56** (Proceedings of the 10th International Coastal Symposium) 1637 - 1640. Lisbon, Portugal, ISSN 0749-0258.

Furmańczyk K. K., Dudzińska-Nowak J., Furmańczyk K. A., Papińska-Swerpel B., Brzezowska N. 2010. Critical storm thresholds for the generation of significant dune erosion at Dziwnow Spit, Poland. Submitted to **Geomorphology**.

Furmanczyk K.K., Dudzińska-Nowak J., Papińska-Swerpel B., Furmanczyk K.A., Brzezowska N., 2010. Historical Storminess in the Southern Baltic. **Natural Hazards and Earth System Sciences (Under preparation)**.

Guillaume Dodet, Xavier Bertin, Rui Taborda, Wave climate variability in the North-East Atlantic Ocean over the last six decades, **Ocean Modelling**, In Press, Accepted Manuscript, Available online 1 November 2009, ISSN 1463-5003, DOI: 10.1016/j.ocemod.2009.10.010.

Jiménez, J.A., Ciavola, P., Balouin, Y., Armaroli, C., Bosom, E. and Gervais, M.. (2009). Geomorphic coastal vulnerability to storms in microtidal fetch-limited environments: Application to NW Mediterranean & N Adriatic Seas. **Journal of Coastal Research**, SI 56, 1641 – 1645.

McCall, R.T., J.S.M. Van Thiel de Vries, N.G. Plant, A.R. Van Dongeren, J.A. Roelvink, D.M. Thompson, A.J.H.M. Reniers (2009). Two-dimensional time dependent hurricane overwash and erosion modelling at Santa Rosa Island. Submitted to **Coastal Engineering**

Ribera P., Gallego D., Peña-Ortiz C., Del Río L., Plomaritis T.A., Benavente J., 2010. Historical coastal storms in the Spanish coasts of the Gulf of Cadiz, 1929-2005. Submitted to **Natural Hazards and Earth System Sciences**.

Roelvink, J.A., A. Reniers, A. Van Dongeren, J. Van Thiel de Vries, R. McCall, J. Lescinski. 2009. *Modeling storm impacts on beaches, dunes and barrier islands*. **Coastal Engineering**, doi: DOI: 10.1016/j.coastaleng.2009.08.006

Vousdoukas, M.I., Almeida, L.P., Ferreira, Ó. The morphodynamic response of a mesotidal reflective beach to consequent storms and variations in water level. **Journal of Geophysical Research: Oceans** (submitted, MS# 2010JC006806).

Vousdoukas M.I., Almeida L.P., Ferreira P.M., Ferreira Ó., Andriolo U., Psaros F., Taborda R.. Performance analysis of intertidal topography video monitoring on a mesotidal reflective beach in South Portugal. **Journal of Ocean Dynamics** (submitted, ODYN-S-10-00197).

Papers & Abstracts in conferences proceedings

Almeida, L.P., Ferreira, Ó., Pacheco, A., 2009. Thresholds for morphological changes as a function of wave height on a sandy exposed beach. **4th SCACR - International Short Conference on Applied Coastal Research, Barcelona.**

Almeida, L.P., Vousdoukas, M.V., Ferreira, P.M., Ruano, A.E., Dodet, G., Loureiro, C., Ferreira, Ó., Taborda, R., 2010. Correlating Wave Hindcast and Buoy data with Artificial Neural Networks. **1^{as} Jornadas de Engenharia Hidrográfica, Instituto Hidrográfico, Lisboa, 21-22 de Junho de 2010.**

Balbontín, P., Del Río, L., Benavente, J., 2010. Riesgos de inundación costera debida a temporales en la playa de Camposoto (San Fernando, Cádiz, España). **XI Reunión Nacional de Geomorfología, Solsona, 20-24/09/2010, p. 309-312.**

Balouin, Y., Gervais, M., Bélon, R., Le Cozannet, G., Lecacheux, S., Krien, Y., Idier, D. et Pedreros, R., 2009. Caractérisation des tempêtes et de leur évolution sur le littoral du Golfe du lion. **1^{ère} conférence méditerranéenne côtière et maritime, CM². Hammamet, Tunisie, 02-04/12/2009, 4p. Accepted.**

BELLIDO, C., ANFUSO, G., PLOMARITIS, T.A., & RANGEL-BUITRAGO, N. 2010. Beach recovery and morphodynamic behaviour at Camposoto (Cádiz, Spain). **ICCCM 2010. Abstracts. Pag. 136. Estoril, Portugal. 11-17/04/2010.**

Calabrese L., Perini L., Lorito S., Luciani P. (2009) Storm impacts and morphological changes along Emilia-Romagna coastline. **Proceedings of Geoitalia 2009. Rimini 9-11 September 2009. pp 80.**

Ciavola, P., Armaroli, C., Masina, M., Perini, L. and Luciani, P. (2008). Nuovi metodi per la cartografia del rischio da inondazione marina: l'esperienza in Emilia-Romagna, **Atti 12^o Conferenza Nazionale ASITA, L'Aquila 21 – 24 ottobre 2008, pp. 755-760.**

Ciavola, P., Armaroli, C., Sedrati M., Masina M. (2009) Degradation of a dune-ridge at a yearly time-scale: impact of human activities and occurrence of storms. **Proceedings of Geoitalia 2009. Rimini 9-11 September 2009. pp 131.**

Ciavola, P. and the MICORE team (2009). Understanding and predicting the impact of extreme storms events on European coastlines: the MICORE approach. Talk at EGU General Assembly 2009, Wien. Published in **Geophysical Research Abstracts, Vol. 11, EGU2009-13741, 2009**

Del Rio, L., Plomaritis, T.A., Puig, M., Cívico, L., Valladares M., Anfuso, G. and Benavente, J. 2010. The impact of two different storm seasons on a natural beach of the Gulf of Cadiz (Spain): High versus low energy events. **EGU General Assembly 2010. Geophysical Research Abstracts Vol. 12, No. 15118, Vienna.** (<http://meetingorganizer.copernicus.org/EGU2010/EGU2010-15118.pdf>)

Dodet, G., Bertin, X., Taborda, R. (2010). Wave climate and storminess variability in the North-East Atlantic Ocean over the last six decades. **17th Waves In Shallow water Environment meeting, 25-29 April 2010, Brest.**

Dudzinska-Nowak J., Furmanczyk K., 2009. A laser scanning application for volumetric changes of the beach and dune analyses. **International conference Climate Change: The environmental and socio-economic response in the southern Baltic region. Szczecin 25-28.05.2009.**

Dudzińska-Nowak J., Furmańczyk K., 2010. Wykorzystanie danych skanowania laserowego do analizy zmian objętości plaży i wydmy. **IX Konferencja Geologia i geomorfologia Pobrzeża i Południowego Bałtyku, Słupsk-Ustka, 31 maja – 1 czerwca 2010.**

Dudzińska-Nowak J., Furmańczyk K.K., Furmańczyk K.A., Paplińska-Swerpel B., Brzezowska N. 2010. Dune erosion as a result of the significant storms at the western Polish coast (Dziwnow Spit example). **International Conference Storm Surges Congress "Risk and Management of current and future Storm Surges", Hamburg, Germany, 13-17 September 2010.**

Ferreira, Ó., Almeida, L.P., Rodrigues, B. and Matias, A., 2010. Determination of Thresholds for storm impacts. **Avances de la Geomorfología en España 2008-2010, XI Reunión Nacional de Geomorfología, Solsona 2010.**

Furmanczyk K., 2008. Projekt Micore (Morphological impacts and coastal risks induced by extreme storm events) wpływ sztormu ekstremalnego na morfologię brzegu i zagrożenie powodziowe. **III Ogólnopolska Konferencja: Problemy Zintegrowanego Zarządzania Obszarami Przybrzeżnymi.**, Niechorze, 04. 2008.

Furmanczyk K., Dudzinska-Nowak J., 2009. Effect of extreme storms on coastline changes: a southern Baltic example. **10th International Coastal Symposium. Lisbon, Portugal, 13-18 of April 2009.**

Furmanczyk K., Dudzinska-Nowak J., 2009. Badanie i prognozowanie zmian brzegu morza bezpływowego (w pracach Zakładu Teledetekcji i Kartografii Morskiej US). **I Ogólnopolska Konferencja GeoEkosystem Wybrzeży Klifowych. Międzyzdroje 4-6.06.2009.**

Furmanczyk K., Dudzinska-Nowak J. 2010. Skala zjawisk abrazyjnych w minionym 20 –leciu **Konferencja Związku Miast i Gmin Morskich Zastosowanie modułów siedliskowych (Reef Ball) do stabilizacji brzegu morskiego oraz ochrony i odbudowy plaż, Jurata, 28 Czerwca 2010.**

Furmańczyk K.K., Dudzińska-Nowak J., Furmańczyk K.A., Paplińska-Swerpel B., Brzezowska N., 2010. Erozja wydmy w rejonie Dziwnowa jako rezultat znaczących sztormów. **IX Konferencja Geologia i geomorfologia Pobrzeża i Południowego Bałtyku, Słupsk-Ustka, 31 maja – 1 czerwca 2010.**

Gervais, M., Balouin, Y., Bélon, R., Robin, N., Certain, R., Berné, S., 2009. Réponses morphologiques d'un littoral sableux microtidal lors de tempêtes hivernales – Expérimentations sur le site du Lido de Sète à Marseillan, Golfe du Lion.2009. **12^{ème} congrès de l'Association des Sédimentologistes Français. Rennes, 25-31 Oct 2009.**

Gervais, M., Balouin, Y., Vanroye, C., Bélon, R. and Lecacheux, S., 2009. Effect of climate change on storm occurrence in the Gulf of Lions. **European Conference on Coastal Lagoon Research, ECOCLR, Montpellier, France, 14-18/12/2009. Accepted.**

Godon, C., Robin, N., Aleman, N., Gervais, M., Certain, R., Meulé, S., Bouchette, F., Balouin, Y. et Brambilla, E., 2009. Hydrodynamique d'une plage à barre rectiligne en milieu microtidal. **12^{ème} congrès de l'Association des Sédimentologistes Français. Rennes, 25-31 Octobre 2009.**

López-Dóriga U., Benavente J., Plomaritis T.A. (2010) Natural recovery processes in an urban beach, La Victoria (Cádiz, SW Spain). **1er Colloque International «Littoraux Méditerranéens: états passés, actuels et futurs». Larache (Morocco). 10-12/11/2010**

Musielak S., Dudzińska-Nowak J., Furmańczyk K., 2009. Wpływ podnoszącego się poziomu morza na rozwój brzegu Południowego Bałtyku (na przykładzie Zatoki Pomorskiej). **Konferencja Sekcji Fizyki Morza i Geologii Morza Komitetu Badań Naukowych PAN: Wpływ anomalii klimatycznych i pogodowych na procesy abrazji strefy brzegowej Południowego Bałtyku. Sopot 18 grudnia 2009.**

T. A Plomaritis, J. Benavente, L. Del Rio, and I. Laiz. (2010) Storminess interannual variability and coastal hazards over the Southwestern Spanish coast the role of NAO and a joint probability analysis of waves and surge levels. 1er Colloque International «Littoraux Méditerranéens : états passés, actuels et futurs». **Larache (Morocco). 10-12/11/2010.**

Plomaritis, T.A., Benavente, J., Del Rio, L., Laiz, I. 2010. Storminess interannual variability and Coastal Hazards over the southwestern Spanish coast Links to large scale atmospheric forcing. **Storm Surge Congress 2010, Hamburg.** (<http://meetingorganizer.copernicus.org/SSC2010/SSC2010-110.pdf>)

Plomaritis, T.A., Del Rio, L. Benavente, J., Valladares, M. 2010. Storm thresholds for the Spanish Gulf of Cadiz coasts. **EGU General Assembly 2010. Geophysical Research Abstracts Vol. 12, No. 10781, Vienna..** (<http://meetingorganizer.copernicus.org/EGU2010/EGU2010-10781.pdf>)

Plomaritis, T.A., Fernandez, T. Benavente, J., 2010. Beach erosion due to storms: Models comparison in the Beach of Cadiz. **1st Meeting of the Spanish Physical Oceanography, Barcelona (in spanish).** (http://www.locea.org/pdf/Presentaciones/Haris_Plomaritis.pdf)

Raji, O., Del Río, L., Gracia, F.J., 2010. Apport des données LIDAR à la cartographie des risques d'inondation par les tempêtes dans la Baie de Cadix (SO d'Espagne). **1er Colloque International «Littoraux Méditerranéens: états passés, actuels et futurs». Larache (Morocco). 10-12/11/2010, p. 16.**

Rangel-Buitrago, N. & Anfuso, G. (2010) 50 years of storm events in SW Spanish littoral: characterization and impacts. **1er Colloque International «Littoraux Méditerranéens : états passés, actuels et futurs». Larache (Morocco). 10-12 November**

Sedrati, M. Ciavola, P., Armaroli, C., Fontana, E. and Masina M. (2009). Morphological change by overwash on a microtidal backshore: Bevano beach, Northern Adriatic Sea. **Poster at EGU General Assembly 2009, Wien. Published in Geophysical Research Abstracts**, Vol. 11, EGU2009-0, 2009

Valchev, N., Trifonova, E., 2009. Wave Climate Clustering to Define Threshold Values with Respect to the Expected Morphological Response. *Journal of Coastal Research*, SI 56 (**Proceedings of the 10th International Coastal Symposium**), 1666 – 1670. **Lisbon, Portugal**, ISSN 0749-0258.

Van Dongeren, A., Bolle, A., Voudoukas, M.I., Plomaritis, T., Eftimova, P., Williams, J.J., Armaroli, C., Idier, D., Van Geer, P., Van Thiel de Vries, J., Haerens, P., Taborda, R., Benavente, J., Trifonova, E., Ciavola, P., Balouin, Y., Roelvink, D. (2009). Micore: dune erosion and overwash model validation with data from nine European field sites. **Proceedings of Coastal Dynamics 2009. Tokyo, Japan**, pp. 1-15.

Van Dongeren, A., Bolle, A., Voudoukas, M.V., Plomaritis, T., Eftimova, P., Williams, J., Armaroli, C., Idier, D., Van Geer, P., de Vries, J.V.T., Haerens, P., Taborda, R., Benavente, J., Trifonova, E., Ciavola, P., Balouin, Y., Roelvink, D., 2009. MICORE: Dune erosion and overwash model validation with data from nine european field sites. **In: M. Mizuguchi and S. Sato (Editors), 6th International Conference on Coastal Dynamics, Tokyo, Japan.**

Voudoukas, M.I., Ferreira, Ó., Almeida, L.P., Taborda, R., Silva, A.N. and Andriolo, U., 2010, Automated video system for storm impact evaluation at Praia de Faro (South Portugal). **42nd International Liege Colloquium on Ocean Dynamics. Liege, 26-30 April, 2010.**

Voudoukas, M.V., Almeida, L.P., Ferreira, Ó., Taborda, R., Silva, A.N., 2010. Coastal morphological monitoring using an automated video system at Praia de Faro (South Portugal). **1^{as} Jornadas de Engenharia Hidrográfica. Lisbon, 21-22 June 2010.**

Voudoukas, M.I., Ferreira P.M., Almeida L.P., Ferreira O., Psaros F., 2010. Coastal video monitoring system optimization using computational intelligence methods. **Maritime Rapid Environmental Assessment conference, Lerici, Italy, 18-22 October, 2010**

Public Talks and Poster Presentations

international level

Hamburg, Germany, September 2010: Dudzińska-Nowak J., Furmańczyk K.K., Furmańczyk K.A., Paplińska-Swerpel B., Brzezowska N. 2010. Dune erosion as a result of the significant storms at the western Polish coast (Dziwnow Spit example). **International Conference Storm Surges Congress "Risk and Management of current and future Storm Surges"**, Hamburg, Germany, 13-17 September 2010. (oral).

Solsona, 2010. Ferreira, Ó., Almeida, L.P., Rodrigues, B. and Matias, A., 2010. Determination of Thresholds for storm impacts. **Avances de la Geomorfología en**

España 2008-2010, XI Reunión Nacional de Geomorfología, Solsona 2010. (oral presentation).

Paris, France, 26-28 November 2009: Ciavola P. The MICORE Position on Coastal Areas Management. Workshop "From past disasters to the climate change challenges in Europe" Organized by the French Presidency of the European Union.

Istanbul, Turkey, 8-9 October 2009: Ciavola P. Poster Presentation of the MICORE. Project 3rd Geo European Project Workshop. Organized by EC, Environment Directorate, DG RTD. Poster downloadable from:

<https://www.micore.eu/file.php?id=73>

Brussels, Belgium, 29-30 October: Ciavola P. Presentation of the MICORE. Disaster Risk Reduction International Workshop. Organized by EC, European Commission, Directorate for Research and the United Nations International Strategy for Disaster Reduction (UNISDR). Details and programme on:

<http://www.unisdr.org/english/events/v.php?id=10785>

Delft 2009: Andrea Valentini, Marco Deserti, Tiziana Paccagnella and Carlo Cacciamani *Servizio Idro-Meteo-Clima Emilia Romagna, Bologna, Italy: The sea-state forecast system of ARPA-SIMC*". SWAN workshop

Barcelona 2009. Almeida, L.P., Ferreira, Ó., Pacheco, A., 2009. Thresholds for morphological changes as a function of wave height on a sandy exposed beach. 4th SCACR - International Short Conference on Applied Coastal Research, Barcelona (Abstract + presentation).

Lisbon 2009. Ó. Ferreira, P. Ciavola, C. Armaroli, Y. Balouin, J. Benavente, L. Del Río, M. Deserti, L.S. Esteves, K. Furmanczyk, P. Haerens, A. Matias, L. Perini, R. Taborda, P. Terefenko, E. Trifonova, K. Trouw, N. Valchev, A. Van Dongeren, M. Van Koningsveld and J.J. Williams. 2009. Coastal Storm Risk Assessment in Europe: Examples from 9 study sites. ICS Conference in Lisbon

Lisbon 2009. Baart, F., T. van der Kaaij, M. van Ormondt, A. van Dongeren, M. van Koningsveld and J.A. Roelvink (2009). Real-time forecasting of morphological storm impacts. Coastal Storm Risk Assessment in Europe: Examples from 9 study sites. ICS Conference in Lisbon

Lisbon 2009. Furmanczyk K., Dudzinska-Nowak J., 2009. Effect of extreme storms on coastline changes: a southern Baltic example. **10th International Coastal Symposium**. Lisbon, Portugal, 13-18 of April 2009. (poster).

Sydney 30/07/2009. J. Benavente and L. Del Río. Coastal Risk in Cádiz (SW Spain). Presentation to University of Sydney. School of Geoscience.

Cartagena de Indias (Colombia) 28/10/2009: J. Benavente. Temporales marítimos en el Golfo de Cádiz: Implicaciones en la gestión costera. Presentation to University of Cartagena de Indias. Civil Engineering School

Colacmar (Cuba) 25 – 30 October 2009. Anfuso, G. Rangel N.: Caracterización de fenómenos temporales extremos en el litoral SW español desde 1958 a partir de datos SIMAR-44. XIII COLACMAR - Congreso Latinoamericano de Ciencias del Mar. 2009. (Talk)

Melbourne 6-11 July 2009. Plomaritis T.A, Anfuso G, Rangel N, Benavente J, & Del Rio L.: Erosion-Accretion patterns in different morphodynamic beach states in Cadiz (SW Spain). 2009. 7th International Conference on Geomorphology (ANZIAG). (Poster)

Liege, May 2009. Pol presentation to 41st Liege Colloquium in Ocean Dynamics: Science-based management of the coastal waters

Poland, May 2009. Dudzinska-Nowak J., Furmanczyk K., 2009. A laser scanning application for volumetric changes of the beach and dune analyses. **International conference Climate Change: The environmental and socio-economic response in the southern Baltic region.** Szczecin, Poland. 25-28 May 2009. (poster).

Vienna 19 – 24 April 2009. T.A. Plomaritis, G. Anfuso, J. Benavente, and L. Del Río: Storm impact and recovery patterns in natural and urbanised beaches in Cadiz (SW Spain). *EGU General Assembly 2009*, Vienna, Abstract No.1409. (Poster)

Vienna 19 – 24 April 2009. T.A. Plomaritis, L. Del Río, J. Benavente, P. Ribera, and G. Anfuso: The influence of storm wave climate and sediment availability in the evolution of the southwestern Spanish coast. *EGU General Assembly 2009*, Vienna, Abstract No.5866 (Talk)

Columbia 2009. Plomaritis T.A, Anfuso G, Rangel N, Benavente J, & Del Rio L.: Erosion and accretion patterns in different morphodynamic beach states in Cadiz (SW Spain). 2009. XII Congreso Colombiano de Geología (CCG). (Poster)

San Francisco, December 2008: AGU conference. Deltares presentation.

Gdansk, Poland, December, 2008. Presentation of MICORE project and related activities at IO-BAS.

Pisa, Italy, November, 2008. Poster presented at 2nd Coastal Altimetry Workshop.

national level

Lisbon, 21 June 2010. Almeida, L.P., Vousdoukas, M.V., Ferreira, P.M., Ruano, A.E., Dodet, G., Loureiro, C., Ferreira, Ó., Taborda, R., 2010. Correlating Wave Hindcast and Buoy data with Artificial Neural Networks. **1^{as} Jornadas de Engenharia Hidrográfica, Instituto Hidrográfico, Lisboa, 21-22 de Junho de 2010.(oral presentation)**

Vousdoukas, M.V., Almeida, L.P., Ferreira, Ó., Taborda, R., Silva, A.N., 2010. Coastal morphological monitoring using an automated video system at Praia de Faro (South Portugal). 1^{as} Jornadas de Engenharia Hidrográfica. Lisbon, 21-22 June 2010.

Bologna, Italy 9 February 2010. Seminar on Knowledge and tools for sea.storm mitigation in Emilia-Romagna. SGSS – UNIFE – ARPA SIMC:

“Conoscenze e strumenti per la mitigazione dei rischi da mareggiata in Emilia-Romagna”:

Paolo Ciavola (UniFe) Presentazione del Progetto Europeo MICORE (Impatto morfologico e rischi costieri da eventi di mareggiata estremi)

Andrea Valentini (Arpa-SIMC) I risultati sull’analisi delle mareggiate storiche in Emilia-Romagna

Luisa Perini (SGSS-RER) Il catalogo delle mareggiate storiche e dei loro impatti

Clara Armaroli (UniFe) Risultati dei monitoraggi delle mareggiate recenti tra Savio e Fiumi Uniti

Lorenzo Calabrese (SGSS-RER) Le cartografie della vulnerabilità della costa emiliano-romagnola

Rome 25 November 2009. ARPA-SIMC (PP2). Presentation of MICORE project to the Italian National Department for Civil Protection (Dipartimento di Protezione Civile Nazionale – DPCN), workshop.

Portland (USA) 1-5 November 2009. Pol (UK) presentation to Coastal and Estuarine Research Federation 20th Biennial

Rimini 10 September 2009. Lorenzo Calabrese, Luisa Perini, Samantha Lorito, Paolo Luciani Storm impacts and morphological changes along Emilia-Romagna coastline (session: C2 - The rates of geomorphological processes at various time scales: data from monitoring and modelling techniques) VII forum Geoitalia 2009.

Cádiz. 30/09/2009. Presentation to Consejería de Medioambiente. Junta de Andalucía.

Reading (England) 23-24 September 2009. Pol (UK) presentation to NERC-FREE Annual Meeting

Huelva. 22/09/2009. Presentation to CITA (Centro de Innovación y Transferencia de Tecnología de Andalucía).

Ciudad Real 7-11 September 2009. ‘XXXII Biental de la Real Sociedad Española de Física; 19º Encuentro Ibérico de Enseñanza de la Física. Comunicaciones científicas’. 2009. Editors: M.A. López de la Torre, J.A. de Toro, J.A. González. Published by: Real Sociedad Española de Física; Av. Complutense s/n; 28040 Madrid. ISBN: 978-84-692-4956-7; 19º Encuentro

IO-BAS, Varna, September, 2009. Seminar on Coastal zone issues within bilateral project with Polish Academy of Sciences. Presentation of BG team on results related to MICORE.

IO-BAS, Varna, August, 2009. Seminar on Coastal zone issues within bilateral project with Russian Academy of Sciences. Presentation of BG team on results related to MICORE.

Dziwnow Community 20. 07. 2009; Meeting

Dziwnow Community 1.07.2009; Meeting

Burgas, Bulgaria, July, 2009: Presentation of MICORE project to the maritime and port authorities **Szczecin 14.06.2009;** Meeting at Maritime Office

IO-BAS, Varna, July, 2009. Presentation of MICORE project to European scientific evaluators of the institutional activity

IO-BAS, Varna, June, 2009. Presentation of MICORE project results WP1 to scientists from Space Research Institute – BAS, Sofia.

May 2009: Pol (UK) presentation to the meeting Waves in shallow environments

Bologna 29 April 2009. ARPA-SIMC (PP2) Il Centro Funzionale Regionale - Il monitoraggio e la previsione delle mareggiate

SGSS (PP3) Tools and database to support coastal risks.

Workshop organized by Regional Agency for Civil Protection of the Emilia-Romagna Region (Agenzia regionale di Protezione Civile – APC).

April 2009. Young Coastal Scientists' and Engineers' conference. Pol (UK)

April 2009: Pol (UK) presentation to the UK sediments initiative workshop

Bologna 20 Febbraio 2009. Presentation of MICORE project to the regional authorities

Delft 2009: Talks at Deltares morphology day.

Szczecin 17.12.2008; Meeting at Maritime Office in

Naples, 26 november 2008. Luisa Perini, Paolo Luciani Paolo Ciavola, Clara Armaroli, Marinella Masina (2008). La vulnerabilità alle mareggiate della costa Emiliano-Romagnola. National congress on coastal erosion.

France 2008 : Réunion Interrégionale des gestionnaires de lagunes, 7 juillet 2008. Répondre à l'élévation du niveau de la mer et à l'augmentation des tempêtes marines sur le littoral méditerranéen. http://www.pole-lagunes.org/ftp/reunion_RIGL/7_juillet_2008/ACTES_elevation_niveau_mer.pdf

France 2008-2009 : Presentation of MICORE project to the regional authorities (Region Languedoc- Roussillon, Regional direction of Equipment, Regional Direction of Environment, Prefecture du Languedoc-Roussillon); Presentation of MICORE Project to the Communauté d'Agglomération du Bassin de Thau; Presentation of MICORE Project to the Region of PACA (Provence-Alpes-Côte d'Azur)

Dziwnow Community 17. 09 2008; Meeting

Niechorze, 04. 2008. III National Conference on ICZM : Problemy Zintegrowanego Zarządzania Obszarami Przybrzeżnymi. K.Furmanczyk: Projekt Micore (Morphological impacts and coastal risks induced by extreme stores events) wpływ sztormu ekstremalnego na morfologię brzegu i zagrożenie powodziowe.(oral)
impacts and coastal risks induced by extreme stores events) wpływ sztormu ekstremalnego na morfologię brzegu i zagrożenie powodziowe,.

Newspaper and magazine articles - interviews

Un sistema previsionale per la comprensione e previsione dei fenomeni erosivi della costa: alcuni risultati dal progetto MICORE per l'inverno 2009-2010. Valentini A. & Deserti M., ARPA SIMC; Ciavola P., Armaroli C. e Masina M., Università degli Studi di Ferrara; Perini L. e Calabrese L., Regione Emilia-Romagna, Servizio Geologico Sismico e dei Suoli. **ARPA Rivista N. 6 novembre-dicembre 2009**

TV reportage on MICORE at the program BIOSFERA (RTP2 – national television).
News about MICORE at several Portuguese national, regional and online newspapers (Diário de Notícias; Água e Ambiente; LUSA; Jornal do Algarve, Expresso)

CIAVOLA, P., ARMAROLI, C.. (2009). Sea Change. **Research Review**, Issue 8, March 2009. DODS Publishing, Brussels, pag. 23.

Spain: La predicción del impacto de las inundaciones, a estudio por las universidades. **ABC** 22/04/2008

Spain: Dos universidades andaluzas, en un proyecto europeo sobre impacto de inundaciones. *Cadena Ser (radio station)* 04/05/2008

Spain: Universidades andaluzas trabajan en un proyecto europeo que predecirá el impacto de las inundaciones. **HISPAGUA Sistema Español de Información Sobre el Agua** 05/05/2008

Spain: Cómo predecir las consecuencias de las inundaciones en Europa. **ABC** 08/05/2008

Spain: La UCA trabajará en las playas de Cortadura y Camposoto en una iniciativa europea que predecirá el impacto de las inundaciones en zonas costeras. **Diario Bahía de Cádiz** 09/05/2009

Spain: Mapas contra el temporal. **Diario de Cádiz** 25/05/2008

Spain: A salvo de los temporales. **Diario de Cádiz** 26/05/2008

Spain: TV reportage on storms and MICORE project at the program INFORME SEMANAL (TVE1 – national television). March 2010.

