

D7.6 Scientific publications

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Authors: IWA

Contributors: All partners

Dissemination level :
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Abstract (for dissemination, 100 words)	<p>Deliverable 7.6 on scientific publications highlights the numerous publications that have been produced as a result of the PEARL project.</p> <p>This deliverable provides a list of any form of scientific publishing produced by PEARL. These include: journal and conference papers, books and book chapters and where appropriate joint publications with other relevant projects.</p> <p>PEARL set a target of 15 journal papers, 22 conference papers, 2 books and 6 book chapters.</p>
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Executive Summary

Deliverable 7.6 on scientific publications highlights the numerous publications that have been produced as a result of the PEARL project.

This deliverable provides a list of any form of scientific publishing produced by PEARL. These include: journal and conference papers, books and book chapters and where appropriate joint publications with other relevant projects.

PEARL set a target of 15 journal papers, 22 conference papers, 2 books and 6 book chapters.

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Abbreviations

IWA International Water Association

1 Introduction

Deliverable 7.6 on scientific publications highlights the numerous publications that have been produced as a result of the PEARL project.

The scientific publications in form of journal or conference papers, book series/chapters and, where appropriate, joint papers with other relevant projects, reflect the PEARL scientific methodologies, their relevance at the local, national and international level, recommendations and potential impacts for the EU policy development related to the coastal areas.

All partners, with the special focus on the research institutions will be involved in the production of scientific publications.

PEARL set a target of 15 journal papers, 22 conference papers, 2 books and 6 book chapters.

2 List of publications

	AUTHOR	TITLE	JOURNAL/CONFERENCE/PUBLISHER/BOOK	DATE	ISSUE	ISBN/CODE
JOURNAL PAPERS						
1	Vojinovic, Z., Hammond, M., Golub, D., Hirunsalee, S., Weesakul, S., Meesuk, V., Medina, N., Sanchez, A., Kumara, S., Abbott, M.	Holistic approach to flood risk assessment in areas with cultural heritage: a practical application in Ayutthaya, Thailand	Natural Hazard (589–616) https://doi.org/10.1007/s11069-015-2098-7	March 2016	81	
2	Julien Savre , Michael Herzog, Chris Pain, and James Percival	Two-dimensional evaluation of ATHAM-Fluidity, a nonhydrostatic atmospheric model using mixed continuous/discontinuous finite-elements and anisotropic grid adaptivity	Journal of Monthly Weather Review	November 2016	Vol: 144	
3	tsoukala V., Chondros M., Kapelonis Z., Martzikos N., Lykou A., Belibassakis K., Makropoulos C.	An integrated wave modelling framework for extreme and rare events for climate change in coastal areas the case of Rethymno, Crete	Oceanologia 58(2)	April 2016	58(2): 71- 89	DOI:10.1016/j.oceano. 2016.01.002
4	Xiao D, Yang P, Fang F, Xiang J, Pain CC, Navon IM.	Non-intrusive reduced order modelling of fluid-structure interactions	Computer Methods In Applied Mechanics and Engineering	2016	Vol:303	ISSN:0045-7825
5	Vire A, Spinnenken J, Piggott MD, Pain CC, Kramer SC.	Application of the immersed- body method to simulate wave-structure interactions	European Journal of Mechanics B-fluids	2016	Vol:55	ISSN:0997-7546

	AUTHOR	TITLE	JOURNAL/CONFERENCE/PUBLISHER/BOOK	DATE	ISSUE	ISBN/CODE
6	Adam A, Buchan AG, Piggott MD, Pain CC, Hill J, Goffin MA.	Adaptive Haar wavelets for the angular discretisation of spectral wave models	Journal of Computational Physics	2016	Vol:305	ISSN:0021-9991
7	Karavokiros, G.; Lykou, A.; Koutiva, I.; Batica, J.; Kostaridis, A.; Alves, A.; Makropoulos, C.	Providing Evidence-Based, Intelligent Support for Flood Resilient Planning and Policy: The PEARL Knowledge Base	Water Journal	September 2016	Volume:8, Issue: 9	DOI: 10.3390/w8090392
8	Doong, D.J., Tsai, C.H., Chen, Y.C., Peng, J.P., Huang, C.J.	Statistical Analysis on the Long-term Observations of Typhoon Waves in the Taiwan Sea	Journal of Marine Science and Technology	2015	Vol: 23	DOI: 10.6119/JMST-015-0610-7
9	Doong, D.J., Lo, W.C., Vojinovic, Z., Lee, W.L., Lee, S.P.	Development of a New Generation of Flood Inundation Maps – A Case Study of the Coastal City of Tainan, Taiwan	Water	2016	Vol: 8	doi:10.3390/w8110521
10	Fraser, A. Paterson S. and Pelling M.	Developing Frameworks to Understand Disaster Causation: From Forensic Disaster Investigation to Risk Root Cause Analysis	Journal of Extreme Events	2016		
11	Adam A, Buchan AG, Piggott MD, Pain CC, Hill J, Goffin MA	Adaptive Haar wavelets for the angular discretisation of spectral wave models	Journal of Computational Physics	2015	Vol: 305	ISSN: 1090-2716
12	Vire A, Xiang J, Pain CC	An immersed-shell method for modelling fluid-structure interactions	PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES	2015	Vol: 37	ISSN: 1364-503X
13	J. Zheng, J. Zhu, Z. Wang, F. Fang, C. C. Pain, and J. Xiang	Towards a new multiscale air quality transport model using the fully unstructured anisotropic adaptive mesh technology of Fluidity (version 4.1.9)	Geosci. Model Dev.	2015	Vol: 8	

	AUTHOR	TITLE	JOURNAL/CONFERENCE/PUBLISHER/BOOK	DATE	ISSUE	ISBN/CODE
14	Adam A, Pavlidis D, Percival JR, Salinas P, Xie Z, Fang F, Pain CC, Muggeridge AH, Jackson MD	Higher-order conservative interpolation between control-volume meshes: Application to advection and multiphase flow problems with dynamic mesh adaptivity	Journal of Computational Physics	2016	Vol: 321	ISSN: 1090-2716
15	D. Xiao, P. Yang, F. Fang, J. Xiang, C.C. Pain and I.M. Navon	Non-intrusive reduced order modeling of fluid-structure interactions	Computer Methods in Applied Mechanics and Engineering	2016	Vol: 303	
16	D. Xiao, F. Fang, C.C. Pain and I.M. Navon	Towards non-intrusive reduced order Application of the immersed free-surface flow modelling	Ocean Engineering	2017	under review	
17	R. Hu, F. Fang, P. Salinas, C.C. Pain	An adaptive unstructured mesh flooding model applied to urban flooding	Water Resources	2017		
18	Sorg, L., Medina, N., Feldmeyer, D., Sanchez, S., Vojinovic, Z., Birkman, J., Marchese, A	Capturing the multifaceted phenomena of socio-economic vulnerability	Natural Hazards https://link.springer.com/article/10.1007/s11069-018-3207-1	2018		
19	KCL	Triple Exposure: Understanding the Interface of Austerity, Institutional Change and Political Culture in Local Flood Risk Management	Global Environmental Change		In draft	
20	Anna Scolobig	Understanding Institutional Deadlocks in Disaster Risk Reduction: The Financial and Legal Risk Root Causes in Genova, Italy	Jouranal of Extreme Events (World Scientific)	2017	Vol 4, No. 1	DOI: 10.1142/S2345737617500105

	AUTHOR	TITLE	JOURNAL/CONFERENCE/PUBLISHER/BOOK	DATE	ISSUE	ISBN/CODE
21	Ting Zhang et al	Application of a three-dimensional unstructured-mesh finite-element flooding model and comparison with two-dimensional approaches	Water Resources Management	2016	Vol 30, Issue 2	
22	Makropoulos, Christos; Tsoukala, Vasiliki; Belibassakis, Kostas; Lykou, Archontia; Chodros, Michalis; Manojlovic, Natasa; Vojinovic, Zoran	A risk reduction framework towards extreme and rare events in coastal regions: the case study of Rethymno, Crete	Regional Environmental Change	2014		
23	Alves A., Sanchez A., Vojinovic Z., Seyoum S., Babel M., Brdjanovic D.	Evolutionary and Holistic Assessment of Green-Grey Infrastructure for CSO Reduction	Water	2016	8(9):402	DOI:10.3390/w8090402
24	Dong-Jiing Doong, Weicheng Lo, Zoran Vojinovic, Wei-Lin Lee and Shin-Ping Lee	Development of a New Generation of Flood Inundation Maps—A Case Study of the Coastal City of Tainan, Taiwan	Water	2016	8(11):521	DOI:10.3390/w8110521
25	Vojinovic, Z., Keerakamolchai, W., Weesakul, S., Pudar, R., Medina, N, Alves	Combining Ecosystem Services with Cost-Benefit Analysis for Selection of Green and Grey Infrastructure for Flood Protection in a Cultural Setting	Environments Holistic approach http://www.mdpi.com/2076-3298/4/1/3	2017	4,3	
26	Alves, A.; Gersonius, B.; Sanchez, A.; Vojinovic, Z.; Kapelan, Z.	Multi-criteria approach for selection of green and grey infrastructure to reduce flood risk and increase co-benefits. Journal of Water Resources Management	Water Resources Management https://www.springerprofessional.de/en/multi-criteria-approach-for-selection-of-green-and-grey-infrastr/15540230	2018	Issue 7	

	AUTHOR	TITLE	JOURNAL/CONFERENCE/PUBLISHER/BOOK	DATE	ISSUE	ISBN/CODE
27	Alves, A.; Patiño Gómez, J.; Vojinovic, Z.; Sanchez, A.; Weesakul, S.	Combining co-benefits and stakeholders perceptions into green infrastructure selection for flood risk reduction	Environments http://www.mdpi.com/2076-3298/5/2/29	2018	5(2)	
28	Hilly, G.; Vojinovic, Z.; Weesakul, S.; Sanchez, A.; Hoang, D.N.; Djordjevic, S.; Chen, A.S.; Evans, B.	Methodological Framework for Analysing Cascading Effects from Flood Events: The Case of Sukhumvit Area, Bangkok, Thailand	Water http://www.mdpi.com/2073-4441/10/1/81	2018	10, 81	
29	Medina, N., Sanchez, A., Vojinovic, Z	The Potential of Agent Based Models for Testing City Evacuation Strategies Under a Flood Event	Procedia Engineering	2016	154 (765 – 772)	
30	Hu, R., Fang, F., Salinas, P., & Pain, C.C.	Unstructured mesh adaptivity for urban flooding modelling. Ocean Modelling	Journal of Hydrology	2017		
31	Hu, R., Fang, F., Salinas, P., Pain, C.C., Domingo, N.D. S., Mark, O.	Numerical simulation of floods from multiple sources using an adaptive unstructured mesh method applied to Greve in Denmark	Water Resources Research	2017		
32	D. Xiao, F. Fang, C.C. Pain and I.M. Navon	Towards non-intrusive reduced order 3D free-surface flow modelling	Ocean Engineering	2017		
33	Laurent Soucasse, Steven Dargaville, Andrew G Buchan, Christopher C, Pain	A goal-based angular adaptivity method for thermal radiation modelling in non grey media	Journal of Quantitative Spectroscopy and Radiative Transfer	June 2017		
34	Zhenghai Wang, D.Xiao, F.Fang, R.Govindan, C.Pain, Y.Guo	Predictive reduced order model for fluid dynamics based on deep learning	International Journal for Numerical Methods in Fluids	June 2017		

	AUTHOR	TITLE	JOURNAL/CONFERENCE/PUBLISHER/BOOK	DATE	ISSUE	ISBN/CODE
34	Total delivered					
15	Targeted					
226%	Completion					
CONFERENCE PAPERS						
1	Teruggi G, Z Vojinovic, N Manojlovic, C Makropoulos	Pearl – Preparing for Extreme and Rare Events in Coastal Regions	6th International Conference on Flood Management, 16-18 September, 2014, São Paolo	16-18 September 2014		PAP014763
2	Vojinovic Z, Y Abebe, A Sanchez, N Medina, I Nikolic, N Manojlovic, C Makropoulos, M Pelling, M Abbott	Holistic Flood Risk Assessment in Coastal Areas – The PEARL Approach	11th International Conference on Hydroinformatics, 17-21 August, 2014, New York	17-21 August 2014		
3	Vojinovic Z, D Golub, S Weesakul, W Keerakamolchai, S Hirunsalee, V Meesuk, A Sanchez, S Kumara, N Manojlovic, M Abbott	Merging Quantitative and Qualitative Analyses for Flood Risk Assessment at Heritage Sites, the case of Ayutthaya, Thailand	11th International Conference on Hydroinformatics, 17-21 August, 2014, New York	17-21 August 2014		
4	Llort X, R Sánchez- Diezma, Á Rodríguez, D Sancho, M Berenguer, D Sempere-Torres	FloodAlert: A Simplified Radar-Based EWS for Urban Flood Warning	11th International Conference on Hydroinformatics, 17-21 August, 2014, New York	17-21 August 2014		
5	Rodríguez A, X Llort, D Sancho, R Sánchez-Diezma, R Bella, V Gómez	Hidromet: A Cloud-Based EWS Platform for Real Time Urban Flood Warning	11th International Conference on Hydroinformatics, 17-21 August, 2014, New York	17-21 August 2014		

	AUTHOR	TITLE	JOURNAL/CONFERENCE/PUBLISHER/BOOK	DATE	ISSUE	ISBN/CODE
6	Pyatkova K , AS Chen , S Djordjević , D Butler , Z Vojinović, YA Abebe, M Hammond, 2015	Flood Impacts on Road Transportation Using Microscopic Traffic Modelling Technique	SUMO User Conference 2015 – Intermodal Simulation for Intermodal Transport, 7-8 May, 2015, Berlin.	7-8 May 2015		
7	Makropoulos C.; Tsoukala V.; Belibbasakis K.; Lykou A.; Chondros M.; Gourgoura P.; Nikolopoulos D.	Managing flood risk in coastal cities through an integrated modelling framework supporting stakeholders' involvement: the case of Rethymno, Crete	36thIAHR World Congrees (IAHR 2015)	28 June - 3 July 2015		
8	Gourgoura P., Blätgen T., Lykou A., Birkman J., Makropoulos C.	Learning and Action Alliances: a tool for flood risk governance in coastal area. The case of Rethymno, Crete	14thinternational Conference on Environmental Science and Technology (CEST 2015)	3-5 September 2015		
9	Vojinovic Z.	Introduction to PEARL	36th IAHR World Congress	28 June - 3 July 2015		
10	Vojinovic Z.	Development of the Risk Assessment Framework and onTology (RAFT)	36th IAHR World Congress	28 June - 3 July 2015		
11	Gruhn A, P Fröhle, S Shaikh, D Antanaskovic, I Gershovich, E Nehlsen, Z Vojinovic,	Holistic Flood Risk Management in the Elbe Estuary- the PEARL Approach	36th IAHR World Congress	28 June - 3 July 2015		
12	Abebe, Y.A., Ghorbani, A., Vojinovic, Z., Nikolic, I. and Sanchez, A.	Agent-based simulation for flood risk assessment.	12th International Conference on Hydroinformatics (HIC 2016), 21-26 August 2016, Incheon, Korea	21-26 August 2016		
13	Abebe, Y.A., Ghorbani, A., Vojinovic, Z., Nikolic,	Institutional analysis for flood risk reduction: A coupled agent-based-flood models	8th International Congress on Environmental Modelling and Software (iEMSs2016), 10-14 July 2016, Toulouse, France	10-14 July 2016		

	AUTHOR	TITLE	JOURNAL/CONFERENCE/PUBLISHER/BOOK	DATE	ISSUE	ISBN/CODE
	I. and Sanchez, A.	method				
14	Martzikos N.; Lykou A.; Makropoulos C.; Tsoukala V	Extended analysis of thresholds and classification for storm impacts at Rethymno	35th International Conference on Coastal Engineering, Istanbul, Turkey	17-22 July 2016		
15	Kragiopoulou E.; Skarlatou E.; Lykou A.; Makropoulos C.; Tsoukala V.	Managing flood risk and wave run-up in the coastal zone of Rethymno	13th International Conference on Protection and Restoration of the Environment, Mykonos island, Greece	3 - 8 July 2016		
16	Makropoulos C.; Tsoukala V.; Lykou A.; Chodros M.; Manojlovic N.; Vojinovic Z.	Improving Resilience Against Extreme and Rare Events in Coastal Regions: An Initial Methodological Proposal – The Case Study of the City of Rethymno	Proceedings of the AdaptToClimate International Conference, Nicosia, Cyprus	27-28 March 2014		
17	Medina, N.; Sanchez, A.; Nikolic, I.; Vojinovic, Z.	Agent based models for testing city evacuation strategies under a flood event as strategy to reduce flood risk	European Geosciences Union - General Assembly 2016	17-22 April 2016		
18	Medina, N.; Sanchez, A.; Vojinovic, Z.	The Potential of Agent Based Models for Testing City Evacuation Strategies Under a Flood Event	12th International Conference on Hydroinformatics (HIC 2016), 21-26 August 2016, Incheon, Korea Procedia Engineering (Pages 765-772: http://dx.doi.org/10.1016/j.proeng.2016.07.581)	21-26 August 2016	Volume 154	ISSN 1877-7058
19	Medina, N.; Sanchez, A.; Vojinovic, Z.; Alves, A.	The use of agent based models for climate change adaptation and development of large-scale evacuation strategies for flood risk mitigation	Water Security and Climate Change: Challenges and Opportunities in Asia. AIT Bangkok, Thailand	29 November - 01 December / 2016		

	AUTHOR	TITLE	JOURNAL/CONFERENCE/PUBLISHER/BOOK	DATE	ISSUE	ISBN/CODE
20	Alves A.; Sanchez A.; Gersonius B.; Vojinovic Z.	A Model-based Framework for Selection and Development of Multi-functional and Adaptive Strategies to Cope with Urban Floods	12th International Conference on Hydroinformatics (HIC 2016), 21-26 August 2016, Incheon, Korea Procedia Engineering (Pages 877-884: http://dx.doi.org/10.1016/j.proeng.2016.07.463)	21-26 August 2016	Volume 154	ISSN 1877-7058
21	D. Xiao, C.C. Pain, F. Fang, I.M. Navon, A. Muggeridge, P. Salinas A	Nonintrusive reduced order modelling and applications for multiphase problems and free surface flows	SIAM Conference on Computational Science & Engineering, Salt Lake City	14-18 March 2015		
22	F. Fang, D.Xiao, C.C. Pain, I.M.Navon	Goal-Based ROM Adjoint for Optimal Sensor Locations and Data Assimilation	SIAM conference on Computational Science and Engineering, Salt Lake City	14-18 March 2015		
23	James O'Neill et al	Studying extreme coastal precipitation events with the new LES model ATHAM-Fluidity	European Geosciences Union General Assembly 2017Vienna Austria	23-28 April 2017		
24	Alessandra Marchese	Integrazione di dati multi-sorgente a supporto della gestione costiera in un clima che cambia	Mapping and Blue Growth	10-12 May 2017		
25	T. Blätgen, N. Manojlovic, A. Gruhn, A. Fraser, J. Birkmann, P. Fröhle	Erweiterung der Grundlage einer anpassenden und angepassten räumlichen Planung - Methodik und Erkenntnisse im Zusammenhang von extremen Flutereignissen betroffener Küstenstädte in Europa	10. Deutsche Klimatagung (10th German climate change congress)	21-24 September 2015		DKT-10-78
26	Arabella Fraser and Mark Pelling	Rescaling Urban Risk Management: Exploring the Impacts of Economic	RGS-IBG Annual International Conference 2015	2-4 September 2015		

	AUTHOR	TITLE	JOURNAL/CONFERENCE/PUBLISHER/BOOK	DATE	ISSUE	ISBN/CODE
		Restructuring on Urban Risk in Genoa, Italy and Rethymno, Crete				
27	C. Pain	Fluid, Solid and Radiation Modelling in Multiphysics Systems (Key note)	NAFEMS	21 October 2014		
28	F. Fang, C.C.Pain et al	Recent developments in ocean predictive modelling and data assimilation				
29	ICL	Methods for assessing resilience and vulnerability to natural hazards and disasters', 'The PEARL Risk Assessment Framework: Building Methodologies For Holistic and Structural Solutions to Coastal Flooding	RGS-IBG Annual International Conference	September 2016		
30	Naso, S., Chen, A.S., Aronica, J.T., Djordjević	A novel approach to flood risk assessment: the Exposure-Vulnerability matrices	3rd European Conference on Flood Risk Management (FLOODrisk 2016) https://doi.org/10.1051/e3sconf/20160708007	20 October 2016		
31	Pyatkova K, Chen AS, Djordjevic S, Butler D, Savic DA	Assessing flood impacts on road transportation	EUSTO Final International Conference	2016		
32	Lykou A., Koutiva I., Karavokiros G., Tsoukalas I., Pantazis C. and Makropoulos C.	The PEARL-toolbox: supporting the decision making process in selecting flood resilience strategies	15th International Conference on Environmental Science and Technology (CEST) to be held in Rhodes, Greece	31 August - 2 September 2017		
33	Shaikh S., Gershovich I., Manojlovic N., Gruhn A., Fröhle P.	An Operational Hydrodynamic-numerical Model of the Elbe Estuary with Telemac-2D Based on Predicted Water Levels	International Conference on Hydrosience & Engineering, Tainan, Taiwan	November 2016		

	AUTHOR	TITLE	JOURNAL/CONFERENCE/PUBLISHER/BOOK	DATE	ISSUE	ISBN/CODE
34	Medina, N., Sanchez, A., Vojinovic, Z.	Automated runoff coefficient computation in urban drainage systems using Google satellite images and fuzzy classification	IAHR World Congress, The Hague, The Netherlands	2015		
35	Sanchez, A., Vojinovic, Z., Medina, N., Mynett, A.	Assessing the implications for urban drainage infrastructure of future scenarios of urban growth with cellular automata	IAHR World Congress, The Hague, The Netherlands	2015		
36	Medina, N., Sanchez, A., Vojinovic, Z.	Planning strategies for flood disaster risk prevention with human behaviour models	IAHR World Congress, Kuala Lumpur, Malaysia	13-18 August, 2017		
37	Alves, A.; Sanchez, A.; Gersonius, B.; Vojinovic, Z.	A Model-based Framework for Selection and Development of Multi-functional and Adaptive Strategies to Cope with Urban Floods	12 th International Conference on Hydroinformatics Procedia Engineering	2016		
38	Alves, A.; Sanchez, A.; Vojinovic, Z.; Kapelan, Z.	Selecting Optimal Configurations of Green and Grey Infrastructure for Flood Risk Reduction	14 th IWA/IAHR International Conference on Urban Drainage	2017		
39	Vojinovic Z., Keerakamolchai W, Sanchez A., Weesakul S., Meesuk V. and Babel, MS.	Towards holistic and multifunctional design of green infrastructure for climate change adaptation	Water Security and Climate Change: Challenges and Opportunities in Asia - AIT	29 Nov - 1 Dec, 2016		
40	Vojinovic Z., Golub D., Keerakamolchai W., Meesuk V., Sanchez A. and Weesakul S.	Adaptation to climate change in areas with cultural heritage	Water Security and Climate Change: Challenges and Opportunities in Asia - AIT	29 Nov - 1 Dec, 2016		

	AUTHOR	TITLE	JOURNAL/CONFERENCE/PUBLISHER/BOOK	DATE	ISSUE	ISBN/CODE
41	Teruggi G, Z Vojinovic, N Manojlovic, C Makropoulos	Pearl – Preparing for Extreme and Rare Events in Coastal Regions	6th International Conference on Flood Management, 16-18 September, 2014, São Paolo	16-18 September 2014		PAP014763
42	Russo, B, P. Sánchez, X. Llorc and Á. Rodríguez	Advanced urban flood EWS integrating radar nowcasting and 1D/2D modelling in real time	14th IWA/IAHR International Conference on Urban Drainage (ICUD2017), Prague, Czech Republic	2017		
43	Russo, B, X. Llorc, P. Sánchez and Á. Rodríguez	Integración de nowcasting radar y modelización 1D/2D en un sistema de alerta temprana para inundaciones en medio urbano	V Jornadas de Ingeniería del Agua, A Coruña, Spain	2017		
44	Llorc, X., B. Russo, Á. Rodríguez and P. Sánchez	Sistemas de alerta avanzados para inundaciones urbanas. Integración de nowcasting radar y modelización 1D/2D en un caso real	XXXIV edición de las Jornadas Técnicas AEAS, Tarragona, Spain	2017		
45	Jhang, S.H., Tsai, C.H., Doong, D.J., Simulation	Floodings during a typhoon event with the consideration of future sea-level rises	European Geosciences Union General Assembly 2017Vienna Austria	23-28 April 2017		
46	Kostaridis A., Antonopoulos S., Gkortsilas D., Troullinos M., Perlepes L., Moutzouris M., Lykou A., Koutiva I., Karavokiros G., Makropoulos C., Chen S.A., Vamvakeridou- Lyroudia L., Gibson J. M., & Diagourtas	CIRP: A Multi-Hazard Impact Assessment Software for Critical Infrastructures	to 2nd International workshop on Modelling of Physical, Economic and Social Systems for Resilience Assessment, Italy	14-16 December 2017		

	AUTHOR	TITLE	JOURNAL/CONFERENCE/PUBLISHER/BOOK	DATE	ISSUE	ISBN/CODE
	D.					
47	Shaikh, S., Müller-Navarra, S., Fröhle, P., Manojlovic, N., Gershovich I., Gruhn, A., Nehlsen, E.	Entwicklung eines operationellen 2D-Strömungsmodells der Unterelbe auf der Grundlage von stationsbasierten Wasserstandsvorhersagen des BSH	HTG Conference, Duisburg, Germany	September 2017		
48	Gruhn A., Manojlovic N., Fröhle P.	Assessment of the temporal evolution of the flood risk as a part of the holistic risk assessment	International Short Course And Conference On Applied Coastal Research 2017 (SCACR), Santander	October 2017		
49	Batica, Jelena, and Gourbesville, Philippe	Disaster Risk Reduction Management and resilience approach after Xynthia flood-case study Chantelaillon-Plage, France	13 th International Hydroinformatics Conference (HIC) 2018, Palermo, Italy	1-6 July 2018		
50	Elsa Aristodemoua, Luz Maria Boganegraa, Laetitia Mottet, Dimitrios Pavlidis, Achilleas Constantinou, Christopher Pain, Alan Robins, Helen ApSimon	How tall buildings affect turbulent air flows and dispersion of pollution within a neighbourhood	Environmental pollution https://doi.org/10.1016/j.envpol.2017.10.041	2017	Vol 233 (782-796)	
51	Abebe, Y.A., Vojinovic, Z., Nikolic, I., Hammond, M., Sanchez, A. and Pelling, M.	Holistic flood risk assessment using agent-based modelling: the case of Sint Maarten Island	EGU General Assembly 2015 (EGU2015), Vienna, Austria	12-17 April 2015		
51	<i>Total delivered</i>					

	AUTHOR	TITLE	JOURNAL/CONFERENCE/PUBLISHER/BOOK	DATE	ISSUE	ISBN/CODE
22	Targeted					
231.81%	Completion					
BOOKS						
1	Zoran Vojinovic, UNESCO-IHE	Flood Risk: The Holistic Perspective	IWA Publishing	15 March 2015		9.78E+17
2				In production	2019 - forthcomi ng	
1	Total delivered					
2	Targeted					
50.00%	Completion					
BOOK CHAPTERS						
1	Fraser, A., Paterson S. and Pelling M.	A Review of the FORIN Methodology and Existing FORIN Case Studies	Integrated Research on Disaster Risk (IRDR) (http://www.irdrinternational.org/wp-content/uploads/2013/04/FORIN-REVIEW-28-JULY-20141.pdf)	2014		
2	Cutter SL, A Frasier, J Birkmann, T Blätgen, M Witting, T Huang, W-S Li, I Burton, A Oliver- Smith, A Lavell, I Alcántara-Ayala	The FORIN Project: Understanding the Causes of Disasters	Integrated Research on Disaster Risk (IRDR) (http://www.irdrinternational.org/2015/03/09/forin-project/)	2015		
3	Medina, N., Sanchez, A., Vojinovic, Z. & Alves, A.	The use of agent based models for climate change adaptation and development of large-scale evacuation strategies for flood risk mitigation	In: Babel, M. S., Haarstrick, A., Ribbe, L., Shinde, V. & Dichtl, N. (eds.) Water Security in Asia. Springer https://www.springer.com/us/book/9783319546117	2018		
4	Alves A.; Sanchez A.;	Selecting multi-functional	Springer Book – Water Security in Asia	2019		

	AUTHOR	TITLE	JOURNAL/CONFERENCE/PUBLISHER/BOOK	DATE	ISSUE	ISBN/CODE
	Gersonius B.; Vojinovic Z.	green infrastructure to enhance resilience against urban floods	https://www.springer.com/us/book/9783319546117			
	Pyatkova, K., Chen, A.S., Djordjevic, S., Butler, D., Vojinović, Z., Abebe, 5 Hammond, M.J.	Flood impacts on road transportation using microscopic traffic modelling technique,	Lecture Notes in Mobility. Springer.	2019 - forthcoming		
	5 <i>Total delivered</i>					
	6 <i>Targeted</i>					
	83% <i>Completion</i>					
POLICY BRIEFS						
1	RISC-Kit & PEARL	Disaster Risk Reduction strategies in EU coastal areas	RISC-Kit & PEARL websites	October 2014		
2	PEARL	Tailored stakeholder engagement	PEARL websites	May/June 2018		
3	Borie et al.	Risk Root Cause Analysis for Disaster Risk Reduction	http://www.uni-stuttgart.de/ireus/dateiuploads/PEARL-POLICY-BRIEF_RRCA_Oct2017.pdf	October 2017		
	3 <i>Total delivered</i>					
	2 <i>Targeted</i>					
	150.00% <i>Completion</i>					
Other						
1	Fraser, A.	Risk Root Cause Analysis Report St Maarten, Dutch Caribbean	King's College London Environment, Politics and Development Working Paper No. 74 (https://www.kcl.ac.uk/sspp/departments/geogra	2016		

	AUTHOR	TITLE	JOURNAL/CONFERENCE/PUBLISHER/BOOK	DATE	ISSUE	ISBN/CODE
			phy/research/Research-Domains/Contested-Development/Working-Papers-/KCLWorkingPaper-PEARL-Risk-and-Root-Cause-Analysis-St-Maarten.pdf)			
2		KCL FORIN Review and Case Study Analysis	IRDR document on root cause analysis (Third UN World Conference on Disaster Risk Reduction, Sendai, Japan)	March 2015		
3	Mavrogenis, S.	Risk Root Cause Analysis Paper for PEARL: The Case of Rethymno, Crete	King's College London Environment, Politics and Development Working Paper No. 73 (https://www.kcl.ac.uk/sspp/departments/geography/research/Research-Domains/Contested-Development/Working-Papers-/KCLWorkingPaper-PEARL-Risk-and-Root-Cause-Analysis-Rethymno-Crete.pdf)	2016		
4	Scolobig, A.	Risk Root Cause Analysis Paper for PEARL: The Case of Genoa, Italy	King's College London Environment, Politics and Development Working Paper No. 72 (https://www.kcl.ac.uk/sspp/departments/geography/research/Research-Domains/Contested-Development/Working-Papers-/KCLWorkingPaper-PEARL-Risk-and-Root-Cause-Analysis-Genoa-Italy.pdf)	2016		
5	Abebe, Y.A., Ghorbani, A., Vojinovic, Z., Nikolic, I. and Sanchez, A.	Institutional modelling for flood risk management: A coupled agent-based-flood models method	UNESCO-IHE PhD Symposium, Delft, The Netherlands	3-4 October 2016		
6	Diez, R. F.	From deterministic to probabilistic-based flood forecasting of storm surges. Case: Greve, Denmark	M.Sc. Thesis. Euroaquae, Polytech Nice Sophia-Antipolis, France	2016		
7	Roman Soledad Berbel	Modelling flooding from the sea interacting with the drainage system under the influence of combined flood hazards to develop risk	Master of Science Thesis. EUROAQUAE-HydroInformatics and Water Management	2014		

	AUTHOR	TITLE	JOURNAL/CONFERENCE/PUBLISHER/BOOK	DATE	ISSUE	ISBN/CODE
		management strategies for the coastal region of Greve, Denmark				
8	Keerakamolchai, W.	Towards a framework for multifunctional flood detention facilities design in a mixed land use area. The case of Ayutthaya World Heritage Site, Thailand	MSc Thesis, UNESCO-IHE (The Netherlands) / Asian Institute of Technology (Thailand)	2014		
9	Golub Daria	Towards a framework for participatory flood risk assessment in urban areas with cultural heritage: The case of the Historic City of Ayutthaya, Thailand	Master of Science Thesis. Erasmus mundus Flood risk master	2014		
10	Polania, J.	A methodology for health impact assessment during pluvial flooding: a case study of the Sukhumvit area in Bangkok, Thailand	Master of Science Thesis. Asian Institute of Technology and UNESCO-IHE	2015		
11	Togarepi Phyllis	Towards a framework for impact assessment of future scenarios of urban growth	Master of Science Thesis. Asian Institute of Technology and UNESCO-IHE.	2016		
12	Bosch Maja	Institutional dimension of flood risk - Understanding institutional complexity in flood risk management for the case of St Maarten	Master of Science Thesis for Industrial Ecology, TU Delft and Leiden University	2017		
13	Patiño Gomez Jose Manuel	Assessment of Green Infrastructure Measures to Reduce Stormwater Runoff and Enhance Multiple Benefits in Urban Areas	Master of Science Thesis. Urban Water Engineering and Management, AIT- Unesco-IHE	2017		
14	Naser Abdul Majidi	Assessing the Effectiveness	Master of Science Thesis. Urban Water	2017		

	AUTHOR	TITLE	JOURNAL/CONFERENCE/PUBLISHER/BOOK	DATE	ISSUE	ISBN/CODE
		of Green Infrastructures on Urban Flood Reduction and Thermal Comfort Enhancement: A Case Study of Sukhumvit Area, Bangkok	Engineering and Management, AIT- Unesco-IHE			
15	Hilly Geoffrey Gerald	Towards a Framework for Analysing Cascading Effects of Flood Impacts on Critical Infrastructure: The Case Study of Sukhumvit, Thailand	Master of Science Thesis. Urban Water Engineering and Management, AIT- Unesco-IHE.	2017		
16	Mutua Rhoda Mutanu	Health risk of waterborne infection in contaminated urban floodwater: the case study of Sukumvit in Bangkok, Thailand	Master of Science Thesis. Urban Water Engineering and Management, AIT- Unesco-IHE.	2018		
17	Maja Bosch	Institutional dimension of flood risk. Understanding institutional complexity in Flood Risk Management for the case of St Maarten	Msc thesis. TU Delft	2017		
17	<i>Total delivered</i>					
N/A	<i>Targeted</i>					
N/A	<i>Completion</i>					

3 Success indicators and conclusions

PEARL set a target of 15 journal papers, 22 conference papers, 2 books and 6 book chapters.

Publication	Target	Total delivered	Completion percentage
Journal papers	15	34	~226%
Conference papers	22	51	~232%
Books	2	1	50%
Book chapters	6	5	83%
Policy briefs	2	2	100%
Other*	n/a	17	n/a

**Extra publications not included in the DoW*