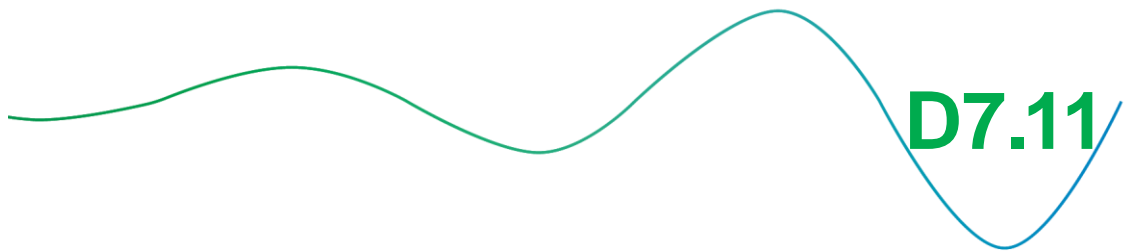


DREAM-GO



Deliverable D7.11

Final DREAM-GO publication list



Deliverable



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1. Introduction

The DREAM-GO project resulted in an extensive publication record over the last 4 years. This is the result of the fruitful work of the DREAM-GO team and his collaboration within the projects' partners and external collaboration made along the last 4 years. Several methodologies and methods were performed to face the many features of smart grid implementation, and in the reduction of costs for energy systems operation especially in the subject of demand response and uncertainty factors related to demand, electric vehicles and renewables which challenge the realization of the smart grid. These approaches were often published through articles in distinct publication platforms, with acknowledgements for the DREAM-GO project regarding its contribution and relevance. The publications figures are summarized in Table 1 for the 4 years of the project.

Year	Journal	Conference	Workshop	Other	TOTAL
2015	0	3	0	0	3
2016	7	20	0	1	28
2017	15	25	0	1	41
2018	17	25	0	3	45
2019	3	0	0	0	3
TOTAL	42	73	0	5	120

2. List of Publications that resulted from DREAM-GO project

2.1. Publications – 2015

Conference

1. Fabio Pereira, João Soares, Pedro Faria, Zita Vale, "Quantum Particle Swarm Optimization Applied to Distinct Remuneration Approaches in Demand Response Programs", CIASG 2015, Cape Town, South Africa, 08-10 December, 2015. DOI: [10.1109/SSCI.2015.219](https://doi.org/10.1109/SSCI.2015.219)
2. Diogo Boldt, Pedro Faria, Zita Vale, "Demand Response Shifting Management Applied to Distributed Generation and Pumping", CIASG 2015 - IEEE Symposium on Computational Intelligence Applications in Smart Grid (CIASG) at the IEEE SSCI 2015 (IEEE Symposium Series on Computational Intelligence), Cape Town, South Africa. DOI: [10.1109/SSCI.2015.217](https://doi.org/10.1109/SSCI.2015.217)
3. João Spínola, Pedro Faria, Zita Vale, "Economic Impact of Demand Response in the Scheduling of Distributed Energy Resources", CIASG 2015, Cape Town, South Africa, 08-10 December, 2015. DOI: [10.1109/SSCI.2015.218](https://doi.org/10.1109/SSCI.2015.218)

2.2. Publications – 2016

Journals

4. Pedro Faria, João Spínola, Zita Vale, “Aggregation and Remuneration of Electricity Consumers and Producers for the Definition of Demand Response Programs”, IEEE Transactions on Industrial Informatics, 2016. DOI: [10.1109/TII.2016.2541542](https://doi.org/10.1109/TII.2016.2541542)
5. Tiago Pinto, Tiago M. Sousa, Hugo Morais, Isabel Praça, Zita Vale, “Metalearning to Support Competitive Electricity Market Players' Strategic Bidding”, Electric Power Systems Research, June 2016. DOI: [10.1016/j.epsr.2016.03.012](https://doi.org/10.1016/j.epsr.2016.03.012)
6. Pablo Chamoso, Fernando Prieta, Javier Bajo Pérez, Juan Corchado Rodríguez, “Conflict Resolution with Agents in Smart Cities”, Interdisciplinary Perspectives on Contemporary Conflict Resolution, vol. 14, pp. 189-226. DOI: [10.4018/978-1-5225-0245-6.ch014](https://doi.org/10.4018/978-1-5225-0245-6.ch014)
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8. Joao Soares, Nuno Borges, Zita Vale, P.B. de Moura Oliveira, “Enhanced Multi-Objective Energy Optimization by a Signaling Method”, Energies, Volume 9, Issue 10, October 2016. DOI: [10.3390/en9100807](https://doi.org/10.3390/en9100807)
9. Gabriel Santos, Tiago Pinto, Isabel Praça, Zita Vale, “An interoperable approach for energy systems simulation: electricity market participation ontologies”, Energies, Volume 9, Issue 11, October 2016. DOI: [10.3390/en9110878](https://doi.org/10.3390/en9110878)
10. Francisco Silva, Brigida Teixeira, Tiago Pinto, Gabriel Santos, Zita Vale, Isabel Praça, “Generation of realistic scenarios for multi-agent simulation of electricity markets”, Energy, Volume 116, Part 1, pp. 128-139, December 2016. DOI: [10.1016/j.energy.2016.09.096](https://doi.org/10.1016/j.energy.2016.09.096)

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11. Luis Gomes, Jorge Silva, Pedro Faria, Zita Vale, “Microgrid Demonstration Gateway for Players Communication and Load Monitoring and Management”, PSC 2016, Clemson, USA, 08-11 March, 2016. DOI: [10.1109/PSC.2016.7462850](https://doi.org/10.1109/PSC.2016.7462850)
12. João Soares, Bruno Canizes, Zita Vale, Kumar Venayagamoorthy, “Benders' decomposition applied to Energy Resource Management in smart distribution networks”, PSC 2016, Clemson, USA, 08-11 March, 2016. DOI: [10.1109/PSC.2016.7462820](https://doi.org/10.1109/PSC.2016.7462820)
13. Fábio Pereira, João Soares, Pedro Faria, Zita Vale, “Allocation of Fixed Costs Considering Distributed Generation and Distinct Approaches of Demand Response Remuneration in Distribution Networks”, PSC 2016, Clemson, USA, 08-11 March, 2016. DOI: [10.1109/PSC.2016.7462874](https://doi.org/10.1109/PSC.2016.7462874)
14. Omid Abrishambaf, Luis Gomes, Pedro Faria, Zita Vale, Joao L. Afonso, “Real-Time Simulation of Renewable Energy Transactions in Microgrid Context Using Real Hardware Resources”, IEEE Transmission and Distribution conference 2016, Dallas, Texas, USA, May 2016. DOI: [10.1109/TDC.2016.7520009](https://doi.org/10.1109/TDC.2016.7520009)
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16. Filipe Fernandes, Luis Gomes, Hugo Morais, Marco Silva, Zita Vale, Juan Corchado, “Dynamic Energy Management method with Demand Response interaction applied in

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17. Tiago Pinto, Zita Vale, Isabel Praça, Gabriel Santos, “Demonstration of ALBidS: Adaptive Learning Strategic Bidding System”, Practical Applications of Agents and Multi-Agent Systems (PAAMS 2016). DOI: [10.1007/978-3-319-39324-7_31](https://doi.org/10.1007/978-3-319-39324-7_31)
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 19. Pablo Chamoso, Juan Paz, Sara Rodríguez, Javier Bajo, “Smart Cities Simulation Environment for Intelligent Algorithms Evaluation”, ISAMI, 2016. DOI: [10.1007/978-3-319-40114-0_20](https://doi.org/10.1007/978-3-319-40114-0_20)
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 22. Ali Fotouhi, Sergio Ramos, João Soares, Zita Vale, Rui Castro, “Toward Retail Competition in the Portuguese Electricity Market”, EEM 16 – 13th International Conference on the European Electricity Market, Porto, Portugal, 06-09 June, 2016. DOI: [10.1109/EEM.2016.7521209](https://doi.org/10.1109/EEM.2016.7521209)
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Other

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35. Óscar García, Ricardo Alonso, Javier Prieto, Juan Corchado, “Energy Efficiency in Public Buildings through Context-Aware Social Computing”, *Sensors*, vol. 17, no. 826, 2017. DOI: [10.3390/s17040826](https://doi.org/10.3390/s17040826)
36. Ali Fotouhi, Joao Soares, Omid Abrishambaf, Rui Castro, Zita Vale, “Demand response implementation in smart households”, *Energy and Buildings*, vol.143, May 2017. DOI: [10.1016/j.enbuild.2017.03.020](https://doi.org/10.1016/j.enbuild.2017.03.020)
37. Ricardo Faia, Tiago Pinto, Zita Vale, Juan Corchado, “An Ad-Hoc Initial Solution Heuristic for Metaheuristic Optimization of Energy Market Participation Portfolios”, *Energies*, vol. 10, no. 7, June 2017. DOI: [10.3390/en10070883](https://doi.org/10.3390/en10070883)
38. João Soares, Bruno Canizes, Ali Fotouhi, Zita Vale, Kumar Venayagamoorthy, “Two-stage Stochastic Model using Benders' Decomposition for Large-scale Energy Resources Management in Smart grids”, *IEEE Transactions on Industry Applications*, vol. 53, no. 6, July 2017. DOI: [10.1109/TIA.2017.2723339](https://doi.org/10.1109/TIA.2017.2723339)
39. Óscar García, Javier Prieto, Ricardo Alonso, Juan Corchado, “A Framework to Improve Energy Efficient Behaviour at Home through Activity and Context Monitoring”, *Sensors*, vol. 17, no. 8, 2017. DOI: [10.3390/s17081749](https://doi.org/10.3390/s17081749)
40. Gabriel Villarrubia, Juan Paz, Daniel de La Iglesia, Javier Bajo, “Combining Multi-Agent Systems and Wireless Sensor Networks for Monitoring Crop Irrigation”, *Sensors*, vol. 17, nº. 8, July 2017. DOI: [10.3390/s17081775](https://doi.org/10.3390/s17081775)
41. Ali Ghazvini, João Soares, Hugo Morais, Rui Castro, Zita Vale, “Dynamic Pricing for Demand Response Considering Market Price Uncertainty”, *Energies*, vol. 10, no. 9, August 2017. DOI: [10.3390/en10091245](https://doi.org/10.3390/en10091245)
42. Amin Gazafroudi, Francisco Castrillo, Tiago Pinto, Javier Prieto, Juan Corchado, Javier Bajo, “Energy Flexibility Management Based on Predictive Dispatch Model of Domestic Energy Management System”, *Energies*, vol. 10, no. 9, September 2017. DOI: [10.3390/en10091397](https://doi.org/10.3390/en10091397)
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45. Tiago Soares, Marco Silva, Tiago Sousa, Hugo Morais, Zita Vale, "Energy and Reserve under Distributed Energy Resources Management—Day-Ahead, Hour-Ahead and Real-Time", *Energies*, vol. 10, no. 11, November 2017. DOI: [10.3390/en10111778](https://doi.org/10.3390/en10111778)
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Conference

47. Amin Gazafroudi, Francisco Castrillo, Juan Corchado, "Residential Energy Management Using a Novel Interval Optimization Method", 4th International Conference on Control, Decision and Information Technologies (CoDIT), Barcelona, Spain, 5-7 April 2017, pp. 196-201. DOI: [10.1109/CoDIT.2017.8102590](https://doi.org/10.1109/CoDIT.2017.8102590)
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51. Daniel de la Iglesia, Alberto Barriuso, Álvaro Murciego, Jorge Herrero, Jorge Landeck, Juan Paz, Juan Corchado, "Single appliance automatic recognition: comparison of classifiers", *Practical Applications of Agents and Multi-Agent System (PAAMS)*, 2017. DOI: [10.1007/978-3-319-61578-3_11](https://doi.org/10.1007/978-3-319-61578-3_11)
52. Jorge Herrero, Álvaro Murciego, Alberto Barriuso, Daniel de la Iglesia, Rita Carreira, Gabriel Villarrubia, Juan Corchado, "Non Intrusive Load Monitoring (NILM): a state of the art", *Practical Applications of Agents and Multi-Agent System (PAAMS)*, 2017. DOI: [10.1007/978-3-319-61578-3_12](https://doi.org/10.1007/978-3-319-61578-3_12)
53. Francisco Silva, Brígida Teixeira, Tiago Pinto, Isabel Praça, Goreti Marreiros, Zita Vale, "Decision Support System for the Negotiation of Bilateral Contracts in Electricity Markets", *International Symposium on Ambient Intelligence (ISAmI)*, pp. 159-166, 2017. DOI: [10.1007/978-3-319-61118-1_20](https://doi.org/10.1007/978-3-319-61118-1_20)
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55. Eugénia Vinagre, Gil Pinheiro, Zita Vale, Carlos Ramos, "Smart Grids Data Management: A Case for Cassandra", *Distributed Computing and Artificial Intelligence*, 14th International Conference, pp. 87-95, Porto, Portugal, 2017. DOI: [10.1007/978-3-319-62410-5_11](https://doi.org/10.1007/978-3-319-62410-5_11)
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 58. Amin Gazafroudi, Francisco Castrillo, Tiago Pinto, Aria Jozi, Zita Vale, "Economic Evaluation of Predictive Dispatch Model in MAS-Based Smart Home", Practical Applications of Agents and Multi-Agent System (PAAMS), pp. 81-91, Porto, Portugal, 2017. DOI: [10.1007/978-3-319-61578-3_8](https://doi.org/10.1007/978-3-319-61578-3_8)
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 60. Fernando Lezama, João Soares, Enrique Munoz de Cote, Luis Enrique Sucar, Zita Vale, "Differential evolution strategies for large-scale energy resource management in smart grids", The Genetic and Evolutionary Computation Conference (GECCO), Berlin, Germany, 15-19 July, 2017. DOI: [10.1145/3067695.3082478](https://doi.org/10.1145/3067695.3082478)
 61. Brígida Teixeira, Francisco Silva, Tiago Pinto, Gabriel Santos, Isabel Praça, Zita Vale, "TOOCC: Enabling Heterogeneous Systems Interoperability in the Study of Energy Systems", IEEE Power & Energy Society General Meeting (PESGM), Chicago, IL, USA, 16-20 July, 2017. DOI: [10.1109/PESGM.2017.8274338](https://doi.org/10.1109/PESGM.2017.8274338)
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Other

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Journals

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