



## NexusNet: List of publications

| No. | Publication                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| 1   | Falda, M.; Adamos, G.; Rađenović, T.; Laspidou, C. Mitigating the Urban Heat Island Effect and Heatwaves Impact in Thessaloniki: A Satellite Imagery Analysis of Cooling Strategies. <i>Sustainability</i> <b>2025</b> , <i>17</i> , 10906. <a href="https://doi.org/10.3390/su172410906">https://doi.org/10.3390/su172410906</a> .                                                                                                                                                                                                                                                                                                                                                                         |
| 2   | Operationalizing the Nexus Approach: Insights from the SIM4NEXUS Project Eunice Pereira Ramos; Dimitris Kofinas; Caroline Sundin; Floor Brouwer; Chrysi Laspidou, doi:10.3389/fenvs.2022.787415 Journal article Frontiers in Environmental Science Frontiers Media SA 2296-665X, General Environmental Science <a href="https://www.frontiersin.org/articles/10.3389/fenvs.2022.787415/full">https://www.frontiersin.org/articles/10.3389/fenvs.2022.787415/full</a> .                                                                                                                                                                                                                                      |
| 3   | A Bilevel Linear Programming Model for Developing a Subsidy Policy to Minimize the Environmental Impact of the Agricultural Sector. Konstantinos Ziliaskopoulos; Konstantinos Papalamprou, doi:10.3390/su14137651 Journal article Sustainability, MDPI AG 2071-1050 Management, Monitoring, Policy and Law; Renewable Energy, Sustainability and the Environment; Geography, Planning and Development; Building and Construction <a href="https://www.mdpi.com/2071-1050/14/13/7651/pdf">https://www.mdpi.com/2071-1050/14/13/7651/pdf</a> .                                                                                                                                                                |
| 4   | Opportunities and Challenges for Establishing a Resource Nexus Community of Science and Practice Rabi H. Mohtar; Virender K. Sharma; Bassel Daher; Chrysi Laspidou; Hyunook Kim; Efstratios N. Pistikopoulos; Iman Nuwayhid; Richard Lawford; Ali Rhouma; Majdi Abou Najm, doi:10.3389/fenvs.2022.880754 Journal article: Frontiers in Environmental Science Frontiers Media SA 2296-665X General Environmental Science, <a href="https://www.frontiersin.org/articles/10.3389/fenvs.2022.880754/full">https://www.frontiersin.org/articles/10.3389/fenvs.2022.880754/full</a> .                                                                                                                            |
| 5   | Resilience Analysis Framework for a Water-Energy-Food Nexus System Under Climate Change Alexandra E. Ioannou; Chrysi S. Laspidou doi:10.3389/fenvs.2022.820125, Journal article Frontiers in Environmental Science Frontiers Media SA 2296-665X General Environmental Science <a href="https://www.frontiersin.org/articles/10.3389/fenvs.2022.820125/full">https://www.frontiersin.org/articles/10.3389/fenvs.2022.820125/full</a> .                                                                                                                                                                                                                                                                       |
| 6   | From nexus thinking to nexus implementation in South Europe and beyond: mutual learning between practitioners and policymakers Zeynep Ozcan; Barbara Willaarts; Svetlana Klessova; Serena Caucci; Luisa Prista; Giannis Adamos; Chrysi Laspidou doi:10.1007/s00550-024-00538-w Journal article Sustainability Nexus Forum Springer Science and Business Media LLC 2948-1627 <a href="https://link.springer.com/content/pdf/10.1007/s00550-024-00538-w.pdf">https://link.springer.com/content/pdf/10.1007/s00550-024-00538-w.pdf</a> ; <a href="https://link.springer.com/article/10.1007/s00550-024-00538-w/fulltext.html">https://link.springer.com/article/10.1007/s00550-024-00538-w/fulltext.html</a> . |
| 7   | Global ecosystem sustainability indexing and patterns in the success of SDGs of water, energy and food security, Fabien Muhirwa; Lanhai Li; Chrysi Laspidou, doi:10.1016/j.jclepro.2025.145830 Journal article Journal of Cleaner Production Elsevier BV 0959-6526 <a href="https://api.elsevier.com/content/article/PII:S0959652625011801?httpAccept=text/xml">https://api.elsevier.com/content/article/PII:S0959652625011801?httpAccept=text/xml</a> ;                                                                                                                                                                                                                                                    |



| No. | Publication                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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|     | <a href="https://api.elsevier.com/content/article/PII: S0959652625011801?httpAccept=text/plain">https://api.elsevier.com/content/article/PII: S0959652625011801?httpAccept=text/plain</a> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 8   | Assessing vineyard sustainability through a Water-Energy-Food-Ecosystems Nexus indicator using System Dynamics Modelling, Ali Rhouma; Nikolaos Mellios; Floor Brouwer; Gil Jose Maria; Chrysi Laspidou doi:10.1016/j.cesys.2025.100346, Journal article: Cleaner Environmental Systems Elsevier BV 2666-7894 <a href="https://api.elsevier.com/content/article/PII: S2666789425000923?httpAccept=text/xml">https://api.elsevier.com/content/article/PII: S2666789425000923?httpAccept=text/xml</a> ; <a href="https://api.elsevier.com/content/article/PII: S2666789425000923?httpAccept=text/plain">https://api.elsevier.com/content/article/PII: S2666789425000923?httpAccept=text/plain</a> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 9   | Integrating “nature” in the water-energy-food Nexus: Current perspectives and future directions Enrico Lucca; Dimitris Kofinas; Tamara Avellán; Janina Kleemann; Caro E. Mooren; Malgorzata Blicharska; Claudia Teutschbein; Anna Sperotto; Janez Sušnik; Sarah Milliken; Marianela Fader; Dejana Đorđević; Tina Dašić; Violeta Vasilić; Bamgboye Taiwo; Aziza Baubekova; Rocío Pineda-Martos; Alexandra Spyropoulou; Gösta F.M. Baganz; Jerome el Jeitany; Hasan Volkan Oral; Mohammad Merheb; Giulio Castelli; Alessandro Pagano; Beatrice Sambo; Monika Suškevičs; Mona Arnold; Tamara Radenović; Alexander Psomas; Sara Masia; Isabelle La Jeunesse; Henry Amorcho-Daza; Sherin S Das; Elena Bresci; Stefania Munaretto; Floor Brouwer; Chrysi Laspidou doi:10.1016/j.scitotenv.2025.178600, Journal article: Science of The Total Environment Elsevier BV 0048-9697 <a href="https://api.elsevier.com/content/article/PII: S0048969725002347?httpAccept=text/xml">https://api.elsevier.com/content/article/PII: S0048969725002347?httpAccept=text/xml</a> ; <a href="https://api.elsevier.com/content/article/PII: S0048969725002347?httpAccept=text/plain">https://api.elsevier.com/content/article/PII: S0048969725002347?httpAccept=text/plain</a> . |
| 10  | WEFE nexus unveiled: a comprehensive review of monitoring and modelling methods in the water-energy-food-ecosystems nexus Maria Vracholi; Nikos Mellios; Emre Alp; Nils Borchard; Cristina Sousa Coutinho Calheiros; Giulio Castelli; Virginia Rosa Coletta; Pedro N Carvalho; Julieta Domínguez-Soberanes; Marianela Fader; Raffaele Giordano; Cristina Madrid-López; Hasan Volkan Oral; Chrysaida-Aliki Papadopoulou; Maria Papadopoulou; Sofia I A Pereira; Rocío Pineda-Martos; Tadej StepisnikPerdih; Lydia Vamvakieridou-Lyroudia; Konstantinos Ziliaskopoulos; Giannis Adamos; Floor Brouwer; Chrysi Laspidou, doi:10.1088/1748-9326/ae0da3 Journal article: Environmental Research Letters, IOP Publishing 1748-9326 <a href="https://iopscience.iop.org/article/10.1088/1748-9326/ae0da3">https://iopscience.iop.org/article/10.1088/1748-9326/ae0da3</a> ; <a href="https://iopscience.iop.org/article/10.1088/1748-9326/ae0da3/pdf">https://iopscience.iop.org/article/10.1088/1748-9326/ae0da3/pdf</a> .                                                                                                                                                                                                                                         |
| 11  | Exploring nexus policy insights for water-energy-food resilient communities Giannis Adamos; Serena Caucci; Loic Charpentier; Juliana Chediek; Durk Krol; Chrysi Laspidou, doi:10.1007/s00550-024-00534-0 Journal article: Sustainability Nexus Forum, Springer Science and Business Media LLC 2948-1627 <a href="https://link.springer.com/content/pdf/10.1007/s00550-024-00534-0.pdf">https://link.springer.com/content/pdf/10.1007/s00550-024-00534-0.pdf</a> ; <a href="https://link.springer.com/article/10.1007/s00550-024-00534-0/fulltext.html">https://link.springer.com/article/10.1007/s00550-024-00534-0/fulltext.html</a> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 13  | Vranjanac, Z., Munaretto, S., Spyropoulou, A., Radenovic, T., Vasovic, D., Zivkovic, S. (2023). Developing the Database of WEFE Nexus Projects and Case Studies. In Trajkovic, S. & V. Milosevic: The International Conference Synergy of Architecture & Civil Engineering SINARG 2023, Proceedings Volume 2, Nisj, 14-15 September 2023 (pp. 1073-1078).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 13  | Radenovic, T., Adamos G., Caucci S., Zivkovic, S., Vranjanac, Z. (2024). Assessing Circular Economy Transition in Cities. Proceedings of the 2 <sup>nd</sup> International EUROS Conference, Editors: Zoran Cepic, Miljan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |



| No. | Publication                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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|     | Sunjevic, Bojana Zoraja, Publisher: Faculty of Technical Sciences, Novi Sad, Serbia, Hotel Vrnjacke terme, Vrnjacka Banja, Serbia, May, 15-18, 2024, ISBN 978-86-6022-676-3, pp. 341-350<br><a href="https://eurosa.rs/wordpress/wp-content/uploads/2024/07/eurosa_2024_zbornik.pdf">https://eurosa.rs/wordpress/wp-content/uploads/2024/07/eurosa_2024_zbornik.pdf</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 14  | Caucci, S., Klessova, S., Toscano, A., Adamos, G., Vasovic, D., Radenovic, T. (2024). Incorporating Innovative Nexus Approach in Urban Resilience Planning. Proceedings of the 2 <sup>nd</sup> International EUROSA Conference, Editors: Zoran Cepic, Miljan Sunjevic, Bojana Zoraja, Publisher: Faculty of Technical Sciences, Novi Sad, Serbia, Hotel Vrnjacke terme, Vrnjacka Banja, Serbia, May, 15-18, 2024, ISBN 978-86-6022-676-3, pp. 351-358<br><a href="https://eurosa.rs/wordpress/wp-content/uploads/2024/07/eurosa_2024_zbornik.pdf">https://eurosa.rs/wordpress/wp-content/uploads/2024/07/eurosa_2024_zbornik.pdf</a> .                                                                                                                                                                                                                                                                                                                                                   |
| 15  | Caucci, S., Adamos, G., Radenovic, T., Vasovic, D., Zivkovic, S. (2024). Urban Resilience Planning to Climate Change Through Innovative Nexus Approach, 21st International Conference on Thermal Science and Engineering of Serbia, SimTerm.4E 2024, Faculty of Mechanical Engineering Nis, Serbia, October 22-25, pp. 113-117. ISBN 978-86-6055-192-6, doi: 10.5937/SimTerm24113C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 16  | Lucca E., Avellán T., Kofinas D., Baganz G.F.M., Baubekova A., Blicharska M., Calheiros C., Castelli G., Dašić T., Dorđević D., el Jeitany J., Fader M., Hassan R., Kleeman J., Liu H.-Y., Masia S., Merheb M., Milliken S., Mooren C. E., Oinonen S., Oral H.V., Pagano A., Pineda-Martos R., Psomas A., Radenović T., Das S.S., Sambo B., Sperotto A., Spyropoulou A., Stefanakis A., Suškevičs M., Sušnik J., Bamgboye Taiwo T., Teutschbein C., Vasilic V., Munaretto S., Brouwer F., Laspidou C. (2023). Incorporating Ecosystems in the Water-Energy-Food Nexus: Current Perspective and Future Directions. Proceedings of the Tenth International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2023) and SECOTOX Conference, June 5-9, 2023, Skiathos Island, Greece, ISBN: 978-618-5710-25-5, Kungolos, A. et al., Publisher: GRAFIMA PUBLICATIONS, Thessaloniki, Greece, pp. 26-27.                                                      |
| 17  | Dimitris Kofinas, Cevza Melek Kazezyilmaz-Alhan, Giannis Adamos, Serena Caucci, Tamara Radjenovic, Dejana Đorđević, Tina Dasic, Cristina Calheiros, Nina Nikolova, Dejan Vasovic, Dijana Likar, Messaoud Lazreg, Edyta Hewelke, Jairo Guzman, Michael Nones, Sarah Milliken, Milena Rajic, Alexandra Spyropoulou, Müge Akın, Kemal Koca, Mirela Sertić Perić, Kaan Ilker Demirezen, Georgios Alexandros Chatzistefanou, Marco Falda, Sofia Almeida Pereira, Hai-Ying Liu, Carlos Felipe Marin Rivera, Argyrios Balatsoukas, Monika Suskevics, Julieta Domínguez-Soberanes, Bamgboye Taiwo, Violeta Vasilić, Rocío Pineda-Martos, Ivar Zekker, Stefania Munaretto, Floor Brouwer & Chrysi Laspidou (2024). Investigating Whether Extreme Events Trigger Nexus Effects and Applying Nexus Methodological Framework to Increase Urban Resilience. 10th Anniversary Î•NVECON Conference of Economics of Natural Resources and the Environment. 6-7 December, 2024, Volos, Greece. pp. 75-76. |
| 18  | Balatsoukas, A., Demirezen, K. I., Adamos, G. (2025). Unlocking Sustainable Urban Transportation and Emergency Risk Management Under Extreme Events. In: Nathanail, E.G., Gavanas, N., Adamos, E. (eds) Climate Crisis and Resilient Transportation Systems. CSUM 2024. Lecture Notes in Intelligent Transportation and Infrastructure. Springer, Cham. <a href="https://doi.org/10.1007/978-3-031-82818-8_14">https://doi.org/10.1007/978-3-031-82818-8_14</a> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 19  | Kofinas, D., Kazezyilmaz-Alhan, C. M., Adamos, G., Caucci, S., Radenovic, T., Dordevic, D., ... & Laspidou, C. (2024, December). Investigating how extreme events trigger nexus effects and developing a nexus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |



| No. | Publication                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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|     | methodological framework to increase resilience. In 10th Anniversary Conference   ENVECON 2014â€“2024 Economics of Natural Resources & the Environment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 20  | D. Kofinas, C. M. Kazezyilmaz-Alhan, G. Adamos, S. Caucci, T. Rađenović, D. Đorđević, T. Dasic, C. Calheiros, N. Nikolova, D. Vasovic, D. Likar, M. Lazreg, E. Hewelke, J. Guzman, M. Nones, S. Milliken, M. Rajic, A. Spyropoulou, M. Akin, K. Koca, M. S. Perić, K. I. Demirezen, G. A. Chatzistefanou, M. Falda, H.-Y. Liu, C. F. M. Rivera, A. Balatsoukas, M. Suskevics, J. Domínguez-Soberanes, B. Taiwo, V. Vasilić, R. Pineda-Martos, I. Zekker, S. Munaretto, F. Brouwer, C. Laspidou (2025). Decoupling Nexus Interlinkages: Strategies for Urban Resilience. Proceedings of the Twelfth International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2024) and SECOTOX Conference, May 25-29, 2025, Mykonos Island, Greece, ISBN: 978-618-5710-90-3, Kungolos, A. et al., Publisher: GRAFIMA PUBLICATIONS, Thessaloniki, Greece, p. 285-286. |
| 21  | T. Radenovic, G. Adamos, S. Caucci, D. Kofinas, C. M. Kazezyilmaz-Alhan, D. Dordevic, T. Dasic, N. Nikolova, D. Vasovic (2025). Investigating Flood-Driven Nexus Interlinkages: Insights into Strengthening Urban Resilience in Changing Climate Conditions. Proceedings of the Twelfth International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2024) and SECOTOX Conference, May 25-29, 2025, Mykonos Island, Greece, ISBN: 978-618-5710-90-3, Kungolos, A. et al., Publisher: GRAFIMA PUBLICATIONS, Thessaloniki, Greece, p. 287-288.                                                                                                                                                                                                                                                                                                            |
| 22  | A. Spyropoulou, J. Guzman, S. Caucci, M. Nones, S. Milliken, M. Rajić, G. Adamos, T. Radenovic, C.M. Kazezyilmaz-Alhan, S. Munaretto, D. Kofinas, F. Brouwer and C. Laspidou (2025). WEF Nexus Interlinkages in the Context of Wildfire-Induced Extreme Events: Evidence from Mediterranean Case Studies. Proceedings of the Twelfth International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2024) and SECOTOX Conference, May 25-29, 2025, Mykonos Island, Greece, ISBN: 978-618-5710-90-3, Kungolos, A. et al., Publisher: GRAFIMA PUBLICATIONS, Thessaloniki, Greece, p. 289-290.                                                                                                                                                                                                                                                               |
| 23  | A. Spyropoulou, J. Guzman, S. Caucci, M. Nones, S. Milliken, M. Rajić, G. Adamos, T. Radenovic, C.M. Kazezyilmaz-Alhan, S. Munaretto, D. Kofinas, F. Brouwer and C. Laspidou (2025). WEF Nexus Interlinkages in the Context of Wildfire-Induced Extreme Events: Evidence from Mediterranean Case Studies. Proceedings of the Twelfth International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2024) and SECOTOX Conference, May 25-29, 2025, Mykonos Island, Greece, ISBN: 978-618-5710-90-3, Kungolos, A. et al., Publisher: GRAFIMA PUBLICATIONS, Thessaloniki, Greece, p. 289-290.                                                                                                                                                                                                                                                               |
| 24  | Sertic Peric M., Liu H.-Y., Hewelke E., Duzi- B., Gulin Beljak V., Zekker I., Susnik J., Brouwer F., Laspidou C. 2025. Exploring pathways towards impactful Water-Energy-Food+ Nexus projects from a European perspective: challenges, opportunities, and recommendations. Environmental Science and Policy, submitted.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 25  | Sertic Peric M., Hewelke E., Liu H.-Y., Susnik J., Brouwer F., Zekker I., Duzi B., Kofinas D., Munaretto S., Adamos G. et al. 2025. Best practices in WEF+ Nexus: Showcasing impactful projects. Dresden Nexus Conference 2025: “The Future of Resources - Resources for the Future”. Dresden, Njemakca, 08.04.2025-10.04.2025.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |



<https://nexusnet-cost.com/>

| No. | Publication                                                                                                                                                                                                                                                                                                                                                   |
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| 26  | Sertic Peric M., Kofinas D., Mellios N., Cuprys A., Gulin Beljak V., KleinJan H., Moreels T., Kulic Mandic A., Timmer N. 2024. What makes an impactful NEXUS project? Nexus Implementation: Potential and Opportunities (online), 05.11.2024-06.11.2024.                                                                                                      |
| 27  | Kofinas D., Mellios N., Cuprys A., Gulin V., KleinJan H., Kulic Mandic A., Moreels T., Sertic Peric M., Timmer N. 2023. EJWP and NEXUSNET - towards an impactful NEXUS project. 10th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2023) and SECOTOX. Greece, 05.06.2023-09.06.2023.                      |
| 28  | Cevza Melek Kazezyilmaz-Alhan, Kaan Ilker Demirezen, Dejana Dordevic, Dimitris Kofinas, Giannis Adamos, Serena Caucci, Tamara Radjenovic, Stefania Munaretto, Floor Brower, Chrysi Laspidou. WEFE Nexus Interlinkages of Tsunami-Type Natural Hazards: Case Studies in the Aegean and Marmara Sea, and Baffin Bay. Bruxelles, Belgium, 04.06.2025-04.06.2025. |
| 29  | Janez Susnik, Chrysaida-Aliki Papadopoulou, Exploring trajectories in the WEFE Nexus to support policy and decision-making, Presentation, DNC 2025, Dresden Nexus Conference, "The Future of Resources-Resources for the Future", Dresden, Germany, 8-11 April 2025.                                                                                          |
| 30  | C.E. Mooren, C-A. Papadopoulou, S. Munaretto, K. Levedi & M. Papadopoulou. A methodological framework for assessing the coherence of WEFE nexus policies: illustration and application in practice. Presentation. DNC 2025, Dresden Nexus Conference, "The Future of Resources - Resources for the Future", Dresden, Germany, 8-11 April 2025                 |
| 31  | Mellios, N., Vracholi, M., Tseva, G., Renner, B., Papadopoulou, C.A., Adamos, G., Laspidou, C., (2025). Advancing the WEFE Nexus: Expert Insights on Implementation and Challenges. PLOS One.                                                                                                                                                                 |