

D5.2. Online documents and D5.4. project outcome materials

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Atenas material for public use

- ATeNaS aimed to contribute to the evidence of nature-based solutions in cities for increasing urban climate and water resilience, and to building a critical mass of human and social capital for nature stewardship that allows NBS.
- During the project we organized several meetings with stakeholders, presented our project to scientific audience and general public.
- We also held training sessions and provided educational materials for expert and public use.
- This document presents online documents, presentations held in different events, training material and videos of the project. These have been produced by all partners (Syke, INRAE, ERCE) under the WP5 Mutual learning. All materials can be found in our website.

Atenas presentations in scientific conferences

- During the project we joined for several scientific conferences (remote and in-person) to present our results and research
- The aim of presentation was to present goals, results and outcomes of the project.
- In the next slide we list all presentations for scientific audience with direct link to presentations

Atenas presentations in conferences 2021

- Bednarek, A., Krauze, K., Włodarczyk-Marciniak, R., Łapińska M., 2021. Zarządzanie wodą deszczową w mieście - przykłady wdrożeń w zlewni rzeki Łódki (NBS). Potamon 2021, Funkcjonowanie i ochrona wód płynących. Łukęcin, Poland, 22-24.09 2021 (in Polish) [\[LINK\]](#)
- Krauze, K., Włodarczyk-Marciniak R., 2021. Dealing with the wicked problems of urban environment – is the way out paved with ecosystem services? The case of the City of Lodz' Long-Term Socio-Ecological Research Platform. 3rd ESP Europe Conference, Tartu, Estonia, 7-10.06.2021 [\[LINK\]](#)
- Krauze, K., Sikorska, D., Włodarczyk-Marciniak R., 2021. Applying socio-ecological lens to blue-green solutions in cities. SURE 2020/2021 Third World Conference of the Society for Urban Ecology. Poznań, Poland, 7-9.07.2021 [\[LINK\]](#)
- Krauze, K., Belka, K., Sikorska D., Włodarczyk-Marciniak, R. 2021. The design of ecohydrological solutions to post-industrial city - combining citizens' attitudes and local knowledge with blue-green infrastructure impact assessment. 6th IAHR Europe Congress, Warszawa, Poland, 15-18.02.2021. [\[LINK\]](#)
- Rehunen A. Applicability of nature-based solutions in different urban fabrics: A case study on urban water management in the Helsinki Metropolitan Area, Finland. SURE 2020/2021 Third World Conference of the Society for Urban Ecology. Poznań, Poland, 7-9.07.2021 [\[LINK\]](#)
- Vierikko K. 2021. Managing water in ecologically and socially sustainable ways in cities. PEOPLE AND PLANET FROM THEORY TO SOLUTIONS Session 6: Clean waters and human health. [\[LINK\]](#)
- Włodarczyk-Marciniak, R., Krauze, K., Perlińska, K., Krzewińska, A., Kretek-Kamińska A. 2021. Public participation in the design of contemporary green cities. Coping with challenges and obstacles of the process in Łódź – the city of central Poland. 3rd ESP Europe Conference, Tartu, Estonia, 7-10.06 2021 [\[LINK\]](#)
- Włodarczyk-Marciniak, R., Sikorska, D., Kretek-Kamińska, A., Krzewińska A., Krauze, K. 2021. Greening space – designing with the citizens the post-socialist cities towards increasing the availability and attractiveness of greenery outside urban parks. SURE 2020/2021 Third World Conference of the Society for Urban Ecology. Poznań, Poland, 7-9.07.2021 [\[LINK\]](#)

Atenas presentations in conferences 2022

- Breil P. and Namour P. 2022. Upscaling an ecohidrological solution: case of Lyon demosite 5th International Symposium of Healthy Rivers and Sustainable Water Resources Management ECOHYDROLOGY FOR WATER SECURITY, Warsaw, Poland, 8-9.06.2022. [\[LINK\]](#)
- Krauze K., Włodarczyk-Marciniak R., Breil P., Rehunen A., Vierikko K. To Ally Technology, Nature and Society for successful urban water management. 5th International Symposium of Healthy Rivers and Sustainable Water Resources Management ECOHYDROLOGY FOR WATER SECURITY, Warsaw, Poland, 8-9.06.2022. [\[LINK\]](#)
- Krauze K., Włodarczyk-Marciniak R., Breil P., Rehunen A., Vierikko K. To ally technology, nature and society for integrated urban water management – ATENAS. IALE 2022 European Landscape Ecology Congress. Making the future, learning from the past, Warsaw. Poland, 11-14.07.2022. [\[LINK\]](#)
- Krauze K., Włodarczyk-Marciniak R., Breil P., Rehunen A., Vierikko K., Wagner I. To Ally Technology, Nature and Society for successful urban water management – ATENAS. 5th ASEM Seminar on Urban Water Management (on-line), 17-18.11.2022 [\[LINK\]](#)
- Lähde E. and Dahlberg N., Luontopohjaisten ratkaisujen ekosysteemipalveluiden määrittäminen alueellisen viherkertoimen ja hulevesimallinnuksen avulla, case Malmi, Vesimylly 12.1.2022 [\[LINK\]](#)
- Rehunen A., Dahlberg N., Lähde E. Marttunen M., Vierikko K., Erfving N., Kontio P. Luontopohjaiset ratkaisut kaupunkien hulevesien ja tulvariskien hallinnassa (ATENAS-hanke). TPVK 2.1.2022 [\[LINK\]](#)
- Vierikko K., Krauze K. and Włodarczyk-Marciniak R. 2022: Managing water in ecologically and socially sustainable ways in cities. ESP Europe Conference, Greece, 10-14.10.2022. [\[LINK\]](#)
- Włodarczyk-Marciniak R., Bednarek A., Kretek-Kamińska A., Krzewińska A., Krauze K. Water in the city – public preferences for blue infrastructure in Łódź. 5th International Symposium of Healthy Rivers and Sustainable Water Resources Management ECOHYDROLOGY FOR WATER SECURITY, Warsaw, Poland, 8-9.06.2022. [\[LINK\]](#)
- Włodarczyk-Marciniak R., Bednarek A., Krauze K. Success factors and barriers in green city co-design. A case study of the city of Łódź (central Poland). IALE 2022 European Landscape Ecology Congress. Making the future, learning from the past, Warsaw Poland, 11-14.07.2022 [\[LINK\]](#)

Atenas presentations in conferences 2021

MARKETPLACE at 3rd ESP Europe Conference, Tartu, Estonia, 7-10.06.2021:

- *LODZ CITY DEMO SITE – The upper Lodka River:*
 - Blue – Green Infrastructure management of stormwater and adaptation to climate change [\[LINK\]](#)
 - Social-Ecohydrology for Sustainable Cities and Societies [\[LINK\]](#)
- *LYON CITY DEMO SITE – The Yzeron River:*
 - Blue – Green Infrastructure management of stormwater and adaptation to climate change [\[LINK\]](#)
- *HELSINKI CITY DEMO SITE – The Vantaa urban area*
 - Blue – Green Infrastructure management of stormwater and adaptation to climate change [\[LINK\]](#)

Atenas educational and training material

- During the project we organized training sessions for partners and stakeholders engaged (remote and in-person) to present
- The aim of training sessions were to share our expertise among participants, and make sure that we are implementing methods in a coherent way but also enhance awareness and understanding of stakeholders.
- In the next slide we list all educational and training materials with direct link to presentations.
- To present local and implemented nature-based solutions in three countries we provided NBS case cards that described the overall plan, environmental problems and solutions that NBS are planned for.

Atenas educational and training materials


- Breil, P. 2019. Ecohydrologie et Urbanisation. (in French) [\[LINK\]](#)
- Breil, P. Namour, Ph., Courapied, F., Amara, L., Heidary-Moghaddam, M., Chauvin, A. 2023. Educational panel on Porous Ramps (in French) [\[LINK\]](#)
- Breil, P. 2023. IRIP_model_training_data&QGISPlugin. [\[LINK\]](#)
- Breil, P. 2023. IRIP model tutorial [\[LINK\]](#)
- Breil, P. 2023. IRIP short tutorial [\[LINK\]](#)
- Krauze, K. 2019. ATENAS poster (in Polish) [\[LINK\]](#)
- Krauze, K. 2019. ATENAS poster (in English) [\[LINK\]](#)
- Krauze, K., Włodarczyk-Marciniak R., Breil P., Rehunen A., Vierikko K., Wagner I. 2022. To Ally Technology, Nature and Society for successful urban water management – ATENAS [\[LINK\]](#)
- Krauze K. 2023. To Ally Technology, Nature and Society for successful urban water management. Final evaluation meeting presentation. 31.05.-1.06.2023. Madrid, Spain [\[LINK\]](#)
- Marttunen, M. And Dahlberg, N. 2021. Structured Decision-Making and Multi-Criteria Decision Analysis (MCDA) in Urban Planning. [\[LINK\]](#)
- Vierikko, K. 2020. Atenas D5.1 Identification of stakeholders and ways to engage them in co-design actions - Guidelines. [\[LINK\]](#)

NBS case cards

D1.2 Factsheets on NBS barriers and ways to overcome them [\[LINK\]](#)

- Finland, Vantaa, Aviapolis NBS. example of airport stormwater management
- Finland, Vantaa, Kartanonkoski. The brook Illenpuro – Multiple benefits of stormwater NBS in Kartanonkoski residential area
- Finland, Vantaa, Osumapuisto – Example of public private partnership
- Finland, Kivistö - NBS stormwater management in a new and fast developing residential area
- Finland, Vantaa, The urban brook Mätäjoki – an example combined natural and human constructed NBS
- Poland, Łódź, Sequential Sedimentation Biofiltration System (SSBS) – for stormwater purification
- Poland, Czarnocin, Łaszczyn, Denitrification barriers for nitrogen removal from groundwater
- Poland, Gniezno, Denitrification zone in Sedimentation Biofiltration System (SBS) for nitrogen removal from contaminated storm water
- Poland, Białystok and Radom, Green bus stops – example of onsite stormwater capturing by urban furniture
- Poland, Radom, Climapond – biological pond for roof stormwater retention and infiltration and biodiversity support
- France, Lyon Porous Ramp – Amplification of the self-purification capacity of small urban watercourses to counterbalance pressure of storm water pollution inputs

Atenas video clips

- During the project we had four different case studies in three countries and in four cities
 - Within these short videos (2-5 minutes) we present our research conducted in four cities and illustrate main findings and results of cases
 - Each videos are shortly presented next with direct linkage to video
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Atenas video clips

Lodz, Poland: Łódka river catchment [\[link\]](#)

Lyon, France: Breil, P. 2023. A two-minute video presentation of the ATENAS demonstration site for porous ramps in France. [\[LINK\]](#)

Vantaa, Finland: Value-focused multi-criteria approach in urban planning and storm water management – Case of new urban residential area in Kivistö, Vantaa, Finland [\[LINK\]](#)

Helsinki, Finland: Assessing nature-based solutions scenarios in urban infill area in Malmi, Helsinki, Finland. [\[LINK\]](#)