

Publications

Here you can find WRAM related publications – publications that have used the WRAM e-infrastructure in one or the other way, e.g. have used sensor-data stored in the WRAM e-infrastructure, or are part of the development of the WRAM e-infrastructure. To date, at least 266 peer-reviewed publications and a large number of other published work were reported back to UC-WRAM.

Compiled until year 2024:

[Peer-reviewed articles](#) (266)

Compiled until year 2021:

[Peer-reviewed conference contributions](#)

[Review articles, book chapter, books](#)

[Popular science articles and reports](#)

[Doctoral Theses](#)

[Master Theses](#)

[Developed generally accessible computer programs](#)

Peer-reviewed articles

2024

1. Augustsson, E., Kim, H., Andrén, H., Graf, L., Kjellander, P., Widgren, S., Månsson, J., Malmsten, J. & Thurfjell, H. 2024. Density-dependent dinner: Wild boar overuse agricultural land at high densities. *Eur J Wildl Res* 70, 15. <https://doi.org/10.1007/s10344-024-01766-7>
2. Benson JF, Keiter DA, Mahoney PJ, Allen BL, Allen L, Álvares F, Anderson ML, Barber-Meyer SM, Barocas A, Beasley JC, et al. 2024. Intrinsic and Environmental Drivers of Pairwise Cohesion In Wild Canis Social Groups. *Ecology*, e4492. <https://doi.org/10.1002/ecy.4492>
3. Brown, L., Zedrosser, A., Kindberg, J., & Pelletier, F. 2024. Behavioural responses of brown bears to roads and hunting disturbance. *Ecology and Evolution* 14, e11532. <https://doi.org/10.1002/ece3.11532>
4. De Cuyper, A., Strubbe, D., Claus, M., Lens, L., Zedrosser, A., Steyaert, S.M.J.G., Kopatz, A. & Janssens, G.P.J. 2024. Do ingredient and nutrient intake reveal individual dietary specialization in an omnivorous carnivore, the brown bear? *Wildlife Biology*, e01305. <https://doi.org/10.1002/wlb3.01305>
5. De Koning, K., Nilsson, L., Månsson, J., Ovaskainen, O., Kranstauber, B., Arp, M. & Schakel, J.K. 2024. High-resolution spatiotemporal forecasting of the European crane migration. *Ecological Modelling* 498, 110884. <https://doi.org/10.1016/j.ecolmodel.2024.110884>
6. Dijkgraaf, L., Stenbacka, F., Cromsigt, J. P. G. M., Ericsson, G., & Neumann, W. 2024. Bear in mind! Bear presence and individual experience with calf survival shape the selection of calving sites in a long-lived solitary ungulate. *Ecology and Evolution* 14, e11177. <https://doi.org/10.1002/ece3.11177>
7. Eggers, J., Roos, U., Lind, T., & Sandström, P. 2024. Adapted forest management to improve the potential for reindeer husbandry in Northern Sweden. *Ambio* 53, 46–62. <https://doi.org/10.1007/s13280-023-01903-7>

8. Graf, L., Thurfjell, H., Ericsson, G. & Neumann, W. 2024. Naivety dies with the calf: calf loss to human hunters imposes behavioral change in a long-lived but heavily harvested ungulate. *Movement Ecology* 12, 66. <https://doi.org/10.1186/s40462-024-00506-5>
 9. Hansson, P., Nilsson, L., Lundgren, S., Skyllberg, U., Sandvik, J. and Månsson, J. 2024. Flyways of Common Cranes *Grus grus* breeding in Fennoscandia. *Ornis Svecica* 34, 155-170. <https://doi.org/10.34080/OS.V34.23602>
 10. Hertel, A.G., Albrecht, J., Selva, N., Sergiel, A., Hobson, K.A., Janz, D.M., Mulch, A., Kindberg, J., Hansen, J.E., Frank, S.C., Zedrosser, A., & Mueller, T. 2024. Ontogeny shapes individual dietary specialization in female European brown bears (*Ursus arctos*). *Nat Commun* 15, 10406. <https://doi.org/10.1038/s41467-024-54722-z>
 11. Miltz, C., Eriksen, A., Wikenros, C., Wabakken, P., Sand, H. and Zimmermann, B. 2024. Will future wind power development in Scandinavia have an impact on wolves? *Wildlife Biology*, e01250. <https://doi.org/10.1002/wlb3.01250>
 12. Månsson, J., Teräväinen, M., Andrén, H., Million, W., & Elmberg, J. 2024. Individual responses of GPS-tagged geese scared off crops by drones or walking humans. *Ecological Solutions and Evidence* 5, e12386. <https://doi.org/10.1002/2688-8319.12386>
 13. Märtz, J., Tallian, A., Wikenros, C., & Heeres, R. W. 2024. "ClusterApp": A Shiny R application to guide cluster studies based on GPS data. *Ecology and Evolution* 14, e11695. <https://doi.org/10.1002/ece3.11695>
 14. Nilsson, L., Månsson, J., Elmberg, J., Liljebäck, N., & Tombre, I. 2024. Selection of a diversionary field and other habitats by large grazing birds in a landscape managed for agriculture and wetland biodiversity. *Ecological Solutions and Evidence* 5, e12302. <https://doi.org/10.1002/2688-8319.12302>
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 16. Schöll, E.M., Klestil, L.A., Zedrosser, A., Swenson, J.E. & Hackländer, K. 2024. Assessment of reproduction of brown bears in Sweden using stained placental scars. *Mamm Biol* 104, 379–387. <https://doi.org/10.1007/s42991-024-00413-7>
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 18. Stiegler, J., Gallagher, C.A., Hering, R., Müller, T., Tucker, M., Apollonio, M., Arnold, J., Barker, N.A., Barthel, L., Bassano, B., et al. 2024. Mammals show faster recovery from capture and tagging in human-disturbed landscapes. *Nat Commun* 15, 8079. <https://doi.org/10.1038/s41467-024-52381-8>
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22. Ausilio, G., Sand, H., Wikenros, C., Aronsson, M., Milleret, C., Nordli, K., Wabakken, P., Eriksen, A., Persson, J., Maartmann, E., Mathisen, K.-M. and Zimmermann, B. 2023. Effects of large carnivores, hunter harvest, and weather on the mortality of moose calves in a partially migratory population. *Wildlife Biology*, e01179. <https://doi.org/10.1002/wlb3.01179>
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Conference contributions

2018

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- 2017
2. Neumann W. 2017. Älgars rörelse och vägar. Vilt och trafik seminarium, Älgskadefondsföreningen, Växjö.
 3. Neumann W, Ericsson G. 2017. Behavioral side-effects of human harvest? Satellite Symposium: Human-induced landscape of fear: how much is too much? 33rd National Oikos Meeting, Lund, Sweden.
- 2016
4. Neumann W. 2016. GPS-märkta älgar – vad bidrar de till viltförvaltning? Naturvårdsverkets Klövviltsförvaltningsdagarna, Lidingö.
 5. Neumann W, Sandström C, Ericsson G, Östlund L. 2016. Evaluating a management indicator from a biological, ecological, and social perspective. 16th Nordic Congress of Wildlife Research, Rovaniemi, Finland.
- 2015
6. Ericsson G. 2015. Experiences from adaptive management in Sweden, a new moose management system? 14th Int. Arctic Ungulate Conference, Røros, Norway.
 7. Neumann, W. 2015. Förutsättningar för förvaltning av ett betespräglat landskap, Naturvårdsverket forskningskonferens, Storslagen Fjällmiljö, Vilhelmina.
 8. Neumann, W., Ericsson, G. 2015. Land use of reindeer and moose in the Swedish Mountain landscape. Ann. Oikos Meeting 2015, Umeå, Sweden.
 9. Neumann, W., Ericsson, G. & Sandström, C. 2015. Landscape use and movement of reindeer and moose in the Scandinavian mountainous landscape. 14th Int. Arctic Ungulate Conference, Røros, Norway.
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 11. Sand, H. 2015. Predation ecology and top-down effects of wolves in a strongly anthropogenic influenced landscape - lessons from Scandinavia. 7th European Congress of Mammalogy, Stockholm University, Sweden.
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 13. Wikenros, C. 2015. Ulvens tilbakekomst – virkning på byttedyr, konkurrenter og åtseletere. Nasjonal konferanse om rovvilt, beitedyr og samfunn. Hamar, Norway.
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