

# Curriculum Vitae Simone Mereu

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2 maggio 2024

## **Personal Data:**

Simone Mereu

Citizenship: Italian

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## **Work address:**

Istituto per la BioEconomia,

Consiglio Nazionale delle Ricerche (CNR-IBE)

Travera La Crucca, 3

07100 Sassari (SS) Italy

Scopus *H index*: 23; Citations: 2253

## ***Education***

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- Feb 2008 **Joint PhD in Ecology and in Applied Biological Sciences**  
Title: " Application of sap flow sensors in the ecophysiology of Mediterranean woody species"  
Sapienza University of Rome and Katholieke Universiteit Leuven
- May 2003 **Master in Biological Sciences**  
Title: " Stima della produzione primaria e della traspirazione in Vitis vinifera L."  
Sapienza University of Rome, Department of Environmental Biology  
Rome, Italy

## ***Research appointments***

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- Oct 2020-present **Researcher**  
Institute for Bioeconomy, National Research Council
- Mar 2019-Sept 2020 **Researcher**  
Department of Agricultural Sciences, University of Sassari
- Jan 2015-Feb 2019 **Scientist**  
Centro Euro-Mediterraneo sui Cambiamenti Climatici, IAFES

- Lecce, Apulia, Italy  
*Dec 2012-Nov 2014* **Post-doc position**  
University of Sassari-Department for Nature and the Environment  
Sassari, Sardinia, Italy
- April 2010 – Dec 2012* **Junior Scientist**  
Centro Euro-Mediterraneo sui Cambiamenti Climatici, IAFENT  
Lecce, Apulia, Italy
- April 2009-April 2010* **Post-doc position**  
University of Sassari-Department for Nature and the Environment  
Sassari, Sardinia, Italy
- Nov 2003 – Feb 2008* **PhD Student**  
Sapienza University of Rome, Department of Environmental Biology  
Rome, Italy

### ***Projects:***

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- NEXT GENERATION EU-NRRP-NBFC: National Biodiversity Future Center (2022-2025).  
**Research collaborator and coordinator of the Broad Area Site “Tirso”**
- NTT-data: Contract with CNR-IBE: Estimating present CO<sub>2</sub> uptake in a forest in Calabria and potential incrsae in uptake capacity by changing management practices. (2022-2023).  
**Research collaborator**
- EIT-Food- C-NEUTRAL FARMING: Towards net zero carbon livestock farming (2021-2022).  
**Research collaborator**
- PON-E-Crops: Tecnologia per l’Agricoltura Digitale Sostenibile (2020-2023). **Research Collaborator**
- EU H2020-NEXOGENESIS: Facilitating the next generation of effective and intelligent water-related policies utilising artificial intelligence and reinforcement learning to assess the water-energy-food-ecosystem (WEFE) nexus (2021-2025). **Proposal co-author, research collaborator**
- BIODIVERSA-MixForChange: Mixed Forest plantations for climate Change mitigation and adaptation (2021-2023). **Proposal co-author, research collaborator**
- PRIMA-ACQUAOUNT: Adapting to Climate change by QUantifying optimal Allocation of water resOURces and socio-ecoNomic inTerlinkages (2021-2025). **Proposal author, coordinator**
- BELMONT FORUM-Mountains as Sentinels of Change-ECCAP: Ecological Calendars and

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- Climate Adaptation in the Pamirs (2016-2019). **Proposal co-author, research collaborator.**
- GWP-Med – CITRUS: ICT technology for sustainable citrus fruit farming in Sicily CITRUS ( 2018-2019). **Coordinator and author of the project**
- Natural Sciences and Engineering Research Council of Canada (NSERC): Climate change and water use: can increase diversity help protect forests? (2017-2020). **Research Collaborator**
- EU H2020-SIM4NEXUS: Sustainable Integrated Management FOR the NEXUS of water-land-food-energy-climate for a resource-efficient Europe (2015-2019). **Proposal co-author, Scientific responsible for the Univesity of Sassari, PI of the Sardinian case study.**
- Lg.7-Definizione di una metodologia per il monitoraggio delle infestazioni da lepidotteri defogliatori nei boschi a Quercus spp. della Sardegna mediante integrazione di tecniche di remote sensing (2012-2014). **Research collaborator and proposal co-author**
- MIUR – PRIN: CARBOTREES (2013-2015). **Research collaborator**
- Lg. 7- Multifunzionalità delle foreste a quercia da sughero in Sardegna (2014-2016). **Research collaborator**
- Lg.7- ECOSCALE: Monitoraggio integrato ad alta risoluzione della vegetazione mediterranea (2013-2015). **Research collaborator and proposal co-author**
- MIUR – PRIN: TreeCity (2013-2015). **Research collaborator and proposal co-author**
- EU FP7-WASSERMed: Water Availability and Security in Southern Europe and the Mediterranean (2010-2013). **Project manager and Research collaborator**
- INCREASE Transnational access project: Retrieval of structural parameters from spectral reflectance (2010). **Principal Investigator**
- INCREASE Transnational access project: Fast response chlorophyll fluorescence analysis of shading effects associated with passive night-time warming systems (2011). **Participant**
- ERA-ARD: Impacts of tropical land use conversion to Jatropha on rural livelihoods and ecosystem services in Mali (JATROPHABILITY MALI) (2010-2013). **Research collaborator**
- EU FP7-INCREASE: An integrated Network on Climate Research activities on Shrubland Ecosystems (2009-2013). **Research collaborator**

## *Student supervision*

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- Co-supervisor of the **Master** thesis of Giovanni Battista Neri at the University of Sassari (2013).  
Title: “Effetti delle deposizioni azotate in un ecosistema costiero di tipo mediterraneo”
- Co-supervisor of the **Master** thesis of Simon Vollenweider at the University of Zurich (2013).  
Title: “Tree-ring response of three Mediterranean shrubs (Juniperus phoenicea L.,

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Phillyrea angustifolia L. and Pistacia lentiscus L.) to different climatic parameters at Capo Caccia (Sardinia, Italy)”

Co-supervisor of the **Master** thesis of Mathias Eecloo at the Catholic University of Leuven (2012). Title: “Water balance of Jatropha curcas L. cultivation in Koulikoro, Mali”

Co-supervisor of the **Master** thesis of Lina Fusaro at the Sapienza University of Rome (2008). Title: "Analisi di parametri ecofisiologici e strategie di uso dell'acqua in tre specie della macchia mediterranea in condizioni di aridità estiva"

Co-supervisor of the **PhD** thesis of Lina Fusaro at the Sapienza University of Rome (2012). Title: “Combined effect of abiotic stresses in the Mediterranean shrub species through field studies and under semi-controlled”

Co-supervisor of the **PhD** thesis of Matto Cabras at the University of Sassari (2009-2012). Title: “Ecological implications of structural adaptations of Mediterranean maquis woody species”

Co-supervisor of the **PhD** student of Josè Maria Costa at the University of Sassari (2012-2015). Topic: “Niche modeling and functional traits of Mediterranean forest species”

Co-supervisor of the **PhD** student of Mauro Lo Cascio at the University of Sassari (2013-2016). Topic: “ Nitrogen deposition effects on Mediterranean maquis ecosystems”

Supervisor of the **PhD** student of Raimondo Melis at the University of Sassari (2018-present). Topic: “Inferring species interactions using a trait based approach”

Supervisor of the **PhD** student of Tony Chahine at the University of Sassari (2019-present). Topic: “Biodiversity and Ecosystem Functions research in Mediterranean forests”

### ***Memberships, Commitments, and experience in event organization***

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**Peer reviewer** of Agricultural and Forest Meteorology, Biogeosciences, Tree Physiology, Environmental and Experimental Botany.

**Member** of the Società Italiana di Ecologia (SITE), Società Italiana di Botanica (SBI), Società Italiana per le Scienze del Clima (SISC), Società Italiana di Selvicoltura ed Ecologia Forestale (SISEF), Società per la promozione di un’agricoltura sostenibile e conservazione della biodiversità (BioSardinia)

**Member of the Scientific Board** of the commission coordinating and promoting collaborative research activities between the University of Sassari and the regional forest authority (Ente Foreste della Sardegna)

**Lab responsible** for research activities related to plant ecophysiology and ecology at the Agrometeorology and ecophysiology laboratory, University of Sassari

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**Organizer** of the seminars on “Biodiversity and Ecosystem Functions” at the University of Sassari (2013)

**Organizer** of the seminars on “Dendrocronology and Dendroecology” at the University of Sassari (2012)

**Organizer and chair** of the Symposium on Biodiversity and Ecosystem Function experiments with trees. At the joint E.E.F./ S.It.E. conference “Ecology at the interface”. Roma, 21-25 settembre 2015

**Organizer** of the seminars on “Foliar uptake of fog water and transport belowground in tropical cloud forests” at the University of Sassari (2012)

**Organizer** of the “XXI Giornata mondiale dell’acqua: Risorse idriche e cambiamento climatico nel Mediterraneo”. Università Bocconi, Milano (2012)

**Organizer** of the Annual Meetings, Dissemination events, and Stakeholder Involvement days held in North African Countries in the Frame of the EU FP7 WASSERMED project.

## *Research roles in International collaborations*

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**Member** of the BIODIVERSA + task force on Nature Based Solutions (2022-present)

**PI** of the Sardinian case study within the SIM4NEXUS H2020 Project addressing the water-food-energy Nexus (2016-present)

**PI** of the international campaign held in Montreal, Canada, to assess differences in surface temperature in a tree diversity experiment (two weeks in Canada-2013).

**Coordinator** of the activities related to plant water requirements in the Jatrophability project (three weeks in Mali-2011)

**Participant** in the research activities related to the assessment of the water budget using surface renewal technology in Hungary (2011)

**Promoter** of the international network (Portugal and Spain) on Nitrogen deposition effects in Mediterranean ecosystem

**PI** of the field experiment established in Capo Caccia, Sardinia, Italy inside the network of Nitrogen deposition effects in Mediterranean ecosystem (2010)

**Co-promoter** of a collaboration with the Swiss Federal Institute for Forest, Snow and Landscape Research (WSL) focusing on assessing the ecology of Mediterranean species with dendroecological approaches (2010)

**Member** of the International Network on Tree Biodiversity and Ecosystem Function (TreeDivNet) (2012)

**PI** of the Biodiversity and Ecosystem Function experiment in Macomer (Sardinia) inside the TreeDivNet network (2014)

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**Participant** in the research activities in collaboration with University of California-Davies related to the assessment of the water budget using surface renewal technology (2012)

**Site collaborator** in the European Fluxes Database Cluster and **Participant** in the research activities of the ICOS ecosystem working groups (2011)

### *Technical skills and expertise*

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- Acquisition and processing of **Leaf and Soil Gas exchange** data.
- Acquisition and processing of **Sap Flow** data with different technologies
- Acquisition and analysis of Direct and Modulated **Chlorophyll Fluorescence**
- Analysis of **soil physical and chemical properties**
- **Acquisition, quality check and gap-filling of Environmental sensors** (Air temperature and humidity; wind speed and direction; Photosynthetic Active Radiation; Direct and Diffuse Radiation; Net Radiation; Soil moisture content probes; Ozono-meters; Nitrogen analysers)
- Analysis of ecosystem level **Ozone fluxes** and repartition of fluxes in stomatal and non-stomatal
- Data acquisition and processing of **Thermal InfraRed Images**
- Data acquisition and processing of **Hyperspectral Reflectance** at leaf and canopy scale
- Stakeholder involvement (interviews, focus groups)
- Policy analysis
- System Dynamic Modelling

### *Research Interests*

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His general interests are in the response of species and ecosystems to environmental and biotic drivers. His main interests include:

- Understanding the biological mechanism underlying the relationships between **biodiversity, functional diversity, and ecosystem functions**
- Determining the contribution to **ecosystem CO<sub>2</sub> fluxes** of its various components (Above and Below ground biomass, Soil, Biological Crust), and how they vary in response to climate and nutrient availability
- Investigating the eco-physiological response of woody species to **oxidative stresses** (Drought, Salinity, Cold, Excess Light, Ozone) and their interaction
- Estimating the effects of Climate change on species distribution and its consequences in terms of Ecosystem services provided

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## *Complete list of publications*

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### Peer reviewed Journals

1. Zheng L., Barry K.E., Guerrero-Ramírez N.R., Craven D., Reich P.B., Verheyen K., Scherer-Lorenzen M., Eisenhauer N., Barsoum N., Bauhus J., Bruelheide H., Cavender-Bares J., Dolezal J., Auge H., Fagundes M.V., Ferlian O., Fiedler S., Forrester D.I., Ganade G., Gebauer T., Haase J., Hajek P., Hector A., Hérault B., Hölscher D., Hulvey K.B., Irawan B., Jactel H., Koricheva J., Kreft H., Lanta V., Leps J., Mereu S., Messier C., Montagnini F., Mörsdorf M., Müller S., Muys B., Nock C.A., Paquette A., Parker W.C., Parker J.D., Parrotta J.A., Paterno G.B., Perring M.P., Piotta D., Wayne Polley H., Ponette Q., Potvin C., Quosh J., Rewald B., Godbold D.L., van Ruijven J., Standish R.J., Stefanski A., Sundawati L., Urgoiti J., Williams L.J., Wilsey B.J., Yang B., Zhang L., Zhao Z., Yang Y., Sandén H., Ebeling A., Schmid B., Fischer M., Kotowska M.M., Palmborg C., Tilman D., Yan E., Hautier Y. (2024) effects of plant diversity on productivity strengthen over time due to trait-dependent shifts in species overyielding. *Nature Communications*, 15 (1), art. no. 2078. DOI: 10.1038/s41467-024-46355-z
2. Vázquez-González C., Castagneyrol B., Muiruri E.W., Barbaro L., Abdala-Roberts L., Barsoum N., Fründ J., Glynn C., Jactel H., McShea W.J., Mereu S., Mooney K.A., Morillas L., Nock C.A., Paquette A., Parker J.D., Parker W.C., Roales J., Scherer-Lorenzen M., Schuldt A., Verheyen K., Weih M., Yang B., Koricheva J. (2024) Tree diversity enhances predation by birds but not by arthropods across climate gradients. *27 (5)*, art. no. e14427. DOI: 10.1111/ele.14427
3. Blondeel H., Guillemot J., Martin-StPaul N., Druel A., Bilodeau-Gauthier S., Bauhus J., Grossiord C., Hector A., Jactel H., Jensen J., Messier C., Muys B., Serrano-León H., Auge H., Barsoum N., Birhane E., Bruelheide H., Cavender-Bares J., Chu C., Cumming J.R., Damtew A., Eisenhauer N., Ferlian O., Fiedler S., Ganade G., Godbold D.L., Gravel D., Hall J.S., Hölscher D., Hulvey K.B., Koricheva J., Kreft H., Lapadat C., Liang J., Liu X., Meredieu C., Mereu S., Montgomery R., Morillas L., Nock C., Paquette A., Parker J.D., Parker W.C., Paterno G.B., Perring M.P., Ponette Q., Potvin C., Reich P.B., Rentch J., Rewald B., Sandén H., Sinacore K., Standish R.J., Stefanski A., Tobin P.C., van Breugel M., Fagundes M.V., Weih M., Williams L.J., Zhou M., Scherer-Lorenzen M., Verheyen K., Baeten L. (2024) Tree diversity reduces variability in sapling survival under drought. *Journal of Ecology*, 112 (5), pp. 1164 - 1180. DOI: 10.1111/1365-2745.14294
4. Depauw L., De Lombaerde E., Dhiedt E., Blondeel H., Abdala-Roberts L., Auge H., Barsoum N., Bauhus J., Chu C., Damtew A., Eisenhauer N., Fagundes M.V., Ganade G., Gendreau-Berthiaume B., Godbold D., Gravel D., Guillemot J., Hajek P., Hector A., Hérault B., Jactel H., Koricheva J., Kreft H., Liu X., Mereu S., Messier C., Muys B., Nock

- C.A., Paquette A., Parker J.D., Parker W.C., Paterno G.B., Perring M.P., Ponette Q., Potvin C., Reich P.B., Rewald B., Scherer-Lorenzen M., Schnabel F., Sousa-Silva R., Weih M., Zemp D.C., Verheyen K., Baeten L. (2024) Enhancing Tree Performance Through Species Mixing: Review of a Quarter-Century of TreeDivNet Experiments Reveals Research Gaps and Practical Insights. *Current Forestry Reports*, 10 (1), pp. 1 - 20. DOI: 10.1007/s40725-023-00208-y
5. Desie, E., Zuo, J., Verheyen, K., Djukic, I., Van Meerbeek, K., Auge, H., Barsoum, N., Baum, C., Bruelheide, H., Eisenhauer, N., Feldhaar, H., Ferlian, O., Gravel, D., Jactel, H., Schmidt, I.K., Kepfer-Rojas, S., Meredieu, C., Mereu, S., Messier, C., Morillas, L., Nock, C., Paquette, A., Ponette, Q., Reich, P.B., Roales, J., Scherer-Lorenzen, M., Seitz, S., Schmidt, A., Stefanski, A., Trogisch, S., Halder, I.V., Weih, M., Williams, L.J., Yang, B., Muys, B. (2023) Disentangling drivers of litter decomposition in a multi-continent network of tree diversity experiments. *Science of the Total Environment*, 857, art. no. 159717. DOI: 10.1016/j.scitotenv.2022.159717
  6. Melis, R., Morillas, L., Roales, J., Costa-Saura, J.M., Cascio, M.L., Spano, D., Mereu, S. (2023) Functional traits related to competition for light influence tree diameter increments in a biodiversity manipulation experiment. *European Journal of Forest Research*. DOI: 10.1007/s10342-023-01552-1
  7. Khan, Z., Abraham, E., Aggarwal, S., Ahmad Khan, M., Arguello, R., Babbar-Sebens, M., Bereslawski, J.L., Bielicki, J.M., Campana, P.E., Silva Carrazzone, M.E., Castanier, H., Chang, F.-J., Collins, P., Conchado, A., Dagani, K.R., Daher, B., Dekker, S.C., Delgado, R., Diuana, F.A., Doelman, J., Elshorbagy, A.A., Fan, C., Gaudioso, R., Gebrechorkos, S.H., Geli, H.M.E., Grubert, E., Huang, D., Huang, T., Ilyas, A., Ivakhnenko, A., Jewitt, G.P.W., Ferreira dos Santos, M.J., Jones, J.L., Kellner, E., Krueger, E.H., Kumar, I., Lamontagne, J., Lansu, A., Lee, S., Li, R., Linares, P., Marazza, D., Mascari, M.P., McManamay, R.A., Meng, M., Mereu, S., Miralles-Wilhelm, F., Mohtar, R., Muhammad, A., Opejin, A.K., Pande, S., Parkinson, S., Payet-Burin, R., Ramdas, M., Ramos, E.P., Ray, S., Roberts, P., Sampedro, J., Sanders, K.T., Saray, M.H., Schmidt, J., Shanafield, M., Siddiqui, S., Suriano, M., Taniguchi, M., Trabucco, A., Tuninetti, M., Vinca, A., Weeser, B., White, D.D., Wild, T.B., Yadav, K., Yogeswaran, N., Yokohata, T., Yue, Q. (2022) Emerging Themes and Future Directions of Multi-Sector Nexus Research and Implementation. *Frontiers in Environmental Science*, 10. DOI: 10.3389/fenvs.2022.918085
  8. Dehkordi, R.H., Nutini, F., Mereu, S., Candiani, G., De Peppo, M., Boschetti, M. (2022) Retrieving Biophysical and Biochemical Crop Traits Using Continuum-Removed Absorption Features from Hyperspectral Proximal Sensing. *Workshop on Hyperspectral Image and Signal Processing, Evolution in Remote Sensing, 2022-September*. DOI: 10.1109/WHISPERS56178.2022.9955090
  9. Messier, C., Bauhus, J., Sousa-Silva, R., Auge, H., Baeten, L., Barsoum, N., Bruelheide, H., Caldwell, B., Cavender-Bares, J., Dhiedt, E., Eisenhauer, N., Ganade, G., Gravel, D., Guillemot, J., Hall, J.S., Hector, A., Hérault, B., Jactel, H., Koricheva, J., Kreft, H., Mereu, S., Muys, B., Nock, C.A., Paquette, A., Parker, J.D., Perring, M.P., Ponette, Q., Potvin, C., Reich, P.B., Scherer-Lorenzen, M., Schnabel, F., Verheyen, K., Weih, M., Wollni, M., Zemp,



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- D.C. (2022) For the sake of resilience and multifunctionality, let's diversify planted forests! *Conservation Letters*, 15 (1). DOI: 10.1111/conl.12829
- Lo Cascio, M., Morillas, L., Ochoa-Hueso, R., Delgado-Baquerizo, M., Munzi, S., Roales, J., Spano, D., Cruz, C., Gallardo, A., Manrique, E., Pérez-Corona, M.E., Dias, T., Sirca, C., Mereu, S. (2021) Nitrogen Deposition Effects on Soil Properties, Microbial Abundance, and Litter Decomposition Across Three Shrublands Ecosystems From the Mediterranean Basin. *Frontiers in Environmental Science*, 9. DOI: 10.3389/fenvs.2021.709391
  - Kwon, T., Shibata, H., Kepfer-Rojas, S., Schmidt, I.K., Larsen, K.S., Beier, C., Berg, B., Verheyen, K., Lamarque, J.-F., Hagedorn, F., Eisenhauer, N., Djukic, I., Caliman, A., Paquette, A., Gutiérrez-Girón, A., Petraglia, A., Augustaitis, A., Saillard, A., Ruiz-Fernández, A.C., Sousa, A.I., Lillebø, A.I., Da Rocha Gripp, A., Lamprecht, A., Bohner, A., Francez, A.-J., Malyshev, A., Andrić, A., Stanisci, A., Zolles, A., Avila, A., Virkkala, A.-M., Probst, A., Ouin, A., Khuroo, A.A., Verstraeten, A., Stefanski, A., Gaxiola, A., Muys, B., Gozalo, B., Ahrends, B., Yang, B., Erschbamer, B., Rodríguez Ortíz, C.E., Christiansen, C.T., Meredieu, C., Mony, C., Nock, C., Wang, C.-P., Baum, C., Rixen, C., Delire, C., Piscart, C., Andrews, C., Rebmann, C., Branquinho, C., Jan, D., Wundram, D., Vujanović, D., Adair, E.C., Ordóñez-Regil, E., Crawford, E.R., Tropina, E.F., Hornung, E., Groner, E., Lucot, E., Gacia, E., Lévesque, E., Benedito, E., Davydov, E.A., Bolzan, F.P., Maestre, F.T., Maunoury-Danger, F., Kitz, F., Hofhansl, F., Hofhansl, G., De Almeida Lobo, F., Souza, F.L., Zehetner, F., Koffi, F.K., Wohlfahrt, G., Certini, G., Pinha, G.D., Gonzalez, G., Canut, G., Pauli, H., Bahamonde, H.A., Feldhaar, H., Jger, H., Serrano, H.C., Verheyden, H., Bruelheide, H., Meesenburg, H., Jungkunst, H., Jactel, H., Kurokawa, H., Yesilonis, I., Melece, I., Van Halder, I., Quirós, I.G., Fekete, I., Ostonen, I., Borovsk, J., Roales, J., Shoqeir, J.H., Jean-Christophe Lata, J., Probst, J.-L., Vijayanathan, J., Dolezal, J., Sanchez-Cabeza, J.-A., Merlet, J., Loehr, J., Von Oppen, J., Löffler, J., Benito Alonso, J.L., Cardoso-Mohedano, J.-G., Peñuelas, J., Morina, J.C., Quinde, J.D., Jimnez, J.J., Alatalo, J.M., Seeber, J., Kempainen, J., Stadler, J., Kriiska, K., Van Den Meersche, K., Fukuzawa, K., Szlavecz, K., Juhos, K., Gerhtov, K., Lajtha, K., Jennings, K., Jennings, J., Ecology, P., Hoshizaki, K., Green, K., Steinbauer, K., Pazianoto, L., Dienstbach, L., Yahdjian, L., Williams, L.J., Brigham, L., Hanna, L., Hanna, H., Rustad, L., Morillas, L., Silva Carneiro, L., Di Martino, L., Villar, L., Fernandes Tavares, L.A., Morley, M., Winkler, M., Lebouvier, M., Tomaselli, M., Schaub, M., Glushkova, M., Torres, M.G.A., De Graaff, M.-A., Pons, M.-N., Bauters, M., Mazn, M., Frenzel, M., Wagner, M., Didion, M., Hamid, M., Lopes, M., Apple, M., Weih, M., Moyses, M., Gualmini, M., Vadeboncoeur, M., Bierbaumer, M., Danger, M., Scherer-Lorenzen, M., Ruek, M., Isabellon, M., Di Musciano, M., Carbognani, M., Zhiyanski, M., Puca, M., Barna, M., Ataka, M., Luoto, M., H. Alsafaran, M., Barsoum, N., Tokuchi, N., Korboulewsky, N., Lecomte, N., Filippova, N., Hlzel, N., Ferlian, O., Romero, O., Pinto-Jr, O., Peri, P., Dan Turtureanu, P., Haase, P., Macreadie, P., Reich, P.B., Petk, P., Choler, P., Marmonier, P., Ponette, Q., Dettogni Guariento, R., Canessa, R., Kiese, R., Hewitt, R., Weigel, R., Kanka, R., Gatti, R.C., Martins, R.L., Ogaya, R., Georges, R., Gaviln, R.G., Wittlinger, S., Puijalón, S., Suzuki, S., Martin, S., Anja, S., Gogo, S., Schueler, S., Drollinger, S., Mereu, S., Wipf, S., Trevathan-Tackett, S., Stoll, S., Lfgren, S., Trogisch, S.,

- Seitz, S., Glatzel, S., Venn, S., Dousset, S., Mori, T., Sato, T., Hishi, T., Nakaji, T., Jean-Paul, T., Camboulive, T., Spiegelberger, T., Scholten, T., Mozdzer, T.J., Kleinebecker, T., Runk, T., Ramaswiela, T., Hiura, T., Enoki, T., Ursu, T.-M., Di Cella, U.M., Hamer, U., Klaus, V., Di Cecco, V., Rego, V., Fontana, V., Piscov, V., Bretagnolle, V., Maire, V., Farjalla, V., Pascal, V., Zhou, W., Luo, W., Parker, W., Parker, P., Kominam, Y., Kotrocz, Z., Utsumi, Y. (2021) Effects of Climate and Atmospheric Nitrogen Deposition on Early to Mid-Term Stage Litter Decomposition Across Biomes. *Frontiers in Forests and Global Change*, 4. DOI: 10.3389/ffgc.2021.678480
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