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Laure Bamière, Valentin Bellassen, D. Angers, R. Cardinael, Eric Ceschia, et al.. A marginal abatement cost curve for climate change mitigation by additional carbon storage in French agricultural land. *Journal of Cleaner Production*, 2023, 383, pp.135423. ⟨10.1016/j.jclepro.2022.135423⟩. ⟨hal-03899905⟩

Edoardo Bellini, Raphaël Martin, Giovanni Argenti, Nicolina Staglianò, Sergi Costafreda-Aumedes, et al.. Opportunities for Adaptation to Climate Change of Extensively Grazed Pastures in the Central Apennines (Italy). *Land*, 2023, 12 (2), pp.351. ⟨10.3390/land12020351⟩. ⟨hal-03997964⟩

Gianni Bellocchi, Z. Barcza, R. Hollós, M. Acutis, E. Bottyán, et al.. Sensitivity of simulated soil water content, evapotranspiration, gross primary production and biomass to climate change factors in Euro-Mediterranean grasslands. *Agricultural and Forest Meteorology*, 2023, 343, pp.1-23. ⟨10.1016/j.agrformet.2023.109778⟩. ⟨hal-04347362⟩

L. Brilli, Raphaël Martin, G. Argenti, M. Bassignana, M. Bindi, et al.. Uncertainties in the adaptation of alpine pastures to climate change based on remote sensing products and modelling. *Journal of Environmental Management*, 2023, 336, pp.117575. ⟨10.1016/j.jenvman.2023.117575⟩. ⟨hal-04068837⟩

Luisa Conti, Enrique Valencia, Thomas Galland, Lars Götzenberger, Jan Lepš, et al.. Functional trait trade-offs define plant population stability across different biomes. *Proceedings of the Royal Society B: Biological Sciences*, 2023, 290 (2001), pp.20230344. ⟨10.1098/rspb.2023.0344⟩. ⟨hal-04169657⟩

Delphine Derrien, Pierre Barré, Isabelle Basile-Doelsch, Lauric Cécillon, Abad Chabbi, et al.. Current controversies on mechanisms controlling soil carbon storage: implications for interactions with practitioners and policy-makers. A review. *Agronomy for Sustainable Development*, 2023, 43 (1), pp.21. ⟨10.1007/s13593-023-00876-x⟩. ⟨hal-04032123⟩

Lucas Deschamps, Raphaël Proulx, Guillaume Rheault, Nicolas Gross, Christopher Watson, et al.. Species richness drives selection of individuals within wetlands based on traits related to acquisition and utilization of light. *Ecology and Evolution*, 2023, 13 (4), ⟨10.1002/ece3.9959⟩. ⟨hal-04095315⟩

Nazzareno Diodato, Fredrik Charpentier Ljungqvist, Francesco Fiorillo, Libera Esposito, Gerardo Ventafridda, et al.. Climatic fingerprint of spring discharge depletion in the southern Italian Apennines from 1601 to 2020 CE. *Environmental Research Communications*, 2023, 4 (12), pp.125011. ⟨10.1088/2515-7620/acae23⟩. ⟨hal-04113366⟩

Nazzareno Diodato, Pasquale Borrelli, Iñigo Gómara, Gianni Bellocchi. Sediment loss modelling framework for the Bradano River Basin, southern Italy, 1950–2020. *Theoretical and Applied Climatology*, 2023, ⟨10.1007/s00704-023-04662-3⟩. ⟨hal-04228638⟩

Sébastien Fontaine, Luc Abbadie, Michaël Aubert, Sébastien Barot, Juliette M G Bloor, et al.. Plant–soil synchrony in nutrient cycles: Learning from ecosystems to design sustainable agrosystems. *Global Change Biology*, 2023, 30 (1), pp.art. e17034. ⟨10.1111/gcb.17034⟩. ⟨hal-04344007v2⟩

Stephen M.G. Gillanders, Luciana Podgaiski, Gerhard Overbeck, Alessandra Santos, Bruna Winck, et al.. Earthworms in natural grasslands and agropastoral systems in the Brazilian Pampa. *Zootaxa*, 2023, 5255 (1), pp.377-388. ⟨10.11646/zootaxa.5255.1.30⟩. ⟨hal-04095355⟩

Aliia Gilmullina, Cornelia Rumpel, Evgenia Blagodatskaya, Katja Klumpp, Isabelle Bertrand, et al.. Is plant biomass input driving soil organic matter formation processes in grassland soil under contrasting management?. *Science of the Total Environment*, 2023, 893, pp.164550. ⟨10.1016/j.scitotenv.2023.164550⟩. ⟨hal-04182751⟩

Donald Luna, Julien Pottier, Catherine Picon-Cochard. Variability and drivers of grassland sensitivity to drought at different timescales using satellite image time series. *Agricultural and Forest Meteorology*, 2023, 331, pp.109325. ⟨10.1016/j.agrformet.2023.109325⟩. ⟨hal-04031114⟩

Lucas Mazal, Alex Fajardo, Irène Till-Bottraud, Dov Corenblit, Boris Fumanal. Kin selection, kin recognition and kin discrimination in plants revisited: A claim for considering environmental and genetic variability. *Plant, Cell and Environment*, 2023, 46 (7), pp.2007 - 2016. ⟨10.1111/pce.14584⟩. ⟨hal-04243901⟩

Anton Potapov, Carlos Guerra, Johan van den Hoogen, Anatoly Babenko, Bruno Bellini, et al.. Globally invariant metabolism but density-diversity mismatch in springtails. *Nature Communications*, 2023, 14 (1), pp.674. ⟨10.1038/s41467-023-36216-6⟩. ⟨hal-03979986v2⟩

Marina Querejeta, Lorène Marchal, Paul Pfeiffer, Marilyn Roncoroni, Vincent Bretagnolle, et al.. Environmental variables and species traits as drivers of wild bee pollination in intensive agroecosystems—A metabarcoding approach. *Environmental DNA*, 2023, 5 (5), pp.1078-1091. ⟨10.1002/edn3.421⟩. ⟨hal-04123388⟩

Adrianna Rafalska, Anna Walkiewicz, Bruce Osborne, Katja Klumpp, Andrzej Bieganowski. Variation in methane uptake by grassland soils in the context of climate change – A review of effects and mechanisms. *Science of the Total Environment*, 2023, 871, pp.162127. ⟨10.1016/j.scitotenv.2023.162127⟩. ⟨hal-04057782⟩

Antonio Rodríguez, Mercedes Ibanez, Cristina Chocarro. Livestock species rather than grazing intensity shape plant guild proportions in interaction with multiple environmental drivers in grassland from the Pyrenees. *Applied Vegetation Science*, 2023, 26 (2), ⟨10.1111/avsc.12724⟩. ⟨hal-04095117⟩

Antonio Rodríguez, Carlos Sacristán, Irene Iglesias, Ana de la Torre. Salmonella assessment along the Spanish food chain: Likelihood of Salmonella occurrence in poultry and pig products is maintained across the food chain stages. *Zoonoses and Public Health*, 2023, pp.1-9. ⟨10.1111/zph.13076⟩. ⟨hal-04261555⟩

Renáta Sándor, Fiona Ehrhardt, Peter Grace, Sylvie Recous, Pete Smith, et al.. Residual correlation and ensemble modelling to improve crop and grassland models. *Environmental Modelling and Software*, 2023, 161, pp.105625. ⟨10.1016/j.envsoft.2023.105625⟩. ⟨hal-03997939⟩

Jeroen Scheper, Isabelle Badenhausser, Jochen Kantelhardt, Stefan Kirchweger, Ignasi Bartomeus, et al.. Biodiversity and pollination benefits trade off against profit in an intensive farming system. *Proceedings of the National Academy of Sciences of the United States of America*, 2023, 120 (28), pp.e2212124120. ⟨10.1073/pnas.2212124120⟩. ⟨hal-04167122⟩

Alexia Stokes, Géraldine Bocquého, Pascal Carrère, Raphaël Conde Salazar, Marc Deconchat, et al.. Services provided by multifunctional agroecosystems : Questions, obstacles and solutions. *Ecological Engineering*, 2023, 191, pp.106949. ⟨10.1016/j.ecoleng.2023.106949⟩. ⟨hal-04056486⟩

Bruna Winck, Juliette Bloor, Katja Klumpp. Eighteen years of upland grassland carbon flux data: reference datasets, processing, and gap-filling procedure. *Scientific Data* , 2023, 10 (1), pp.311. ⟨10.1038/s41597-023-02221-z⟩. ⟨hal-04138821⟩

Nianxun Xi, Dongxia Chen, Wei Liu, Juliette Bloor. Positive plant diversity effects on soil microbial drought resistance are linked to variation in labile carbon and microbial community structure. *Functional Ecology*, 2023, ⟨10.1111/1365-2435.14396⟩. ⟨hal-04161638⟩

Mingjuan Xie, Xiaofei Ma, Yuangang Wang, Chaofan Li, Haiyang Shi, et al.. Monitoring of carbon-water fluxes at Eurasian meteorological stations using random forest and remote sensing. *Scientific Data* , 2023, 10 (1), pp.587. ⟨10.1038/s41597-023-02473-9⟩. ⟨hal-04232608⟩