

Jonas Ardö
Dept of Physical Geography and Ecosystem Science
BECC: Biodiversity and Ecosystem services in a Changing Climate
Department of Earth and Environmental Sciences (MGeo)



Type of address: Visiting address.

Sölvegatan 12
Rm 449

Lund
Sweden

Type of address: Postal address.

223 62

Lund
Sweden

Type of address: Visiting address.

Sölvegatan 37
223 62

Lund
Sweden

Type of address: Postal address.

Sölvegatan 37
223 62

Lund
Sweden

Type of address: Visiting address.

Sölvegatan 12
223 62

Lund
Sweden

Type of address: Postal address.

Sölvegatan 12
223 62

Lund
Sweden

Email: jonas.ardo@mgeo.lu.se

Mobile: +46722025028

Phone: +46462224031

Research

My current research interest include studies of the carbon cycle and resource use related to climate change. It includes;
1: Carbon cycle studies in Africa. Micro meteorology and eddy covariance measurement of CO₂ and H₂O fluxes in Sudan and in Senegal in order to understand the processes and environmental drivers of the carbon cycle in semiarid environments. We use this information as calibration/validation data when upscaling estimates on GPP and NPP to national/continental and global extent using MODIS and Sentinel-2 data. This includes for example the RAMONA project where we map grazing resources and herbaceous rangeland biomass for Africa at 10 m spatial resolution using Sentinel-2 data.

2: PERENNIAL crops in Sweden. We study the prospects and environmental effects of changing agriculture from being based on annual crops to be based on perennial crops. This include measurements of a range of micrometeorological properties and fluxes of CO₂ and H₂O in Alnarp, just outside Lund.

3: Assessment of GPP, NPP and phenology for Europe at 10-m spatial resolution using Sentinel-2 data within the HRVPP-2 project, a follow up to the Copernicus Product HRVPP.

Teaching: NGEK01, NGEN34 supervision of masters and PhD students.

Qualifications

Physical Geography, PhD, Lund University
Award Date: 1998 May 20

Biology, BSc
1988 → ...

2018 → ... Excellent Teaching Practitioner

Employment

Teaching staff, Professor

Dept of Physical Geography and Ecosystem Science

Lund University
Lund, Sweden
2015 Sept 21 → present

Member of Strategic Research Area

BECC: Biodiversity and Ecosystem services in a Changing Climate
Lund University
Lund, Sweden
2010 Jan 1 → present

Professor

Department of Earth and Environmental Sciences (MGeo)
Lund University
Lund, Sweden
2025 Dec 3 → present

Research outputs

Contrasting roles of ground, trees, ponds and grazing in carbon dioxide, methane and nitrous oxide fluxes of an African semi-arid savanna

Wieckowski, A., Vestin, P., Ardö, J., Roupsard, O., Ndiaye, O., Ba, S., Delon, C., Serça, D. & Tagesson, T., 2026 Apr 1, In: Agriculture, Ecosystems and Environment. 399, 110199.

Globally increased cropland soil exposure to climate extremes in recent decades

Feng, L., Wang, Y., Fensholt, R., Tong, X., Tagesson, T., Zhang, X., Ardö, J., Zhou, J., Shao, W., Dou, Y., Sang, Y. & Tian, F., 2025 Dec, In: Nature Communications. 16, 1, 4354.

Spatiotemporal averaging resolution of high importance within Earth-observation-based light use efficiency models of gross primary production

Tagesson, T., Senty, P., Diatta, O., Cai, Z., Wieckowski, A., Ndiaye, O. & Ardö, J., 2025 Dec, In: Science of Remote Sensing. 12, 100324.

Using sentinel-2 data to quantify the impacts of drought on crop yields at local and regional scales in Sweden

Müller, M., Thapa, S., Bouras, E. H., Olsson, P. O., Jamali, S., Eklundh, L. & Ardö, J., 2025 Oct, In: Agricultural and Forest Meteorology. 373, 110789.

Where to restore: Connectivity forest for spatial prioritization in forest landscape restoration

Wang, X., Svensson, J., Jonsson, B. G., Singh, N. J., Bubnicki, J. W., Lopéz-Peinado, A., Angelstam, P., Mikusiński, G. & Ardö, J., 2025 Sept, In: iScience. 28, 9, 113263.

Perennial crops for soil health 2 (Alnarp, Sweden)

Ardö, J. (Actor), 2025 May 5

Where to restore - an approach to spatial prioritization of connectivity forests for forest landscape restoration

Jonsson, B.-G., Wang, X., Svensson, J. & Ardö, J., 2024 Nov 18, *Book of abstracts eccb2024.eu: Biodiversity positive by 2030. 17-21 June 2024 - Bolonga, Italy*. Symposia S.r.l. S.U (ed.). Bolonga, Italy: Dipartimento di Scienze Biologiche, Bolonga, ID 733

X-BASE the first terrestrial carbon and water flux products from an extended data-driven scaling framework, FLUXCOM-X

Nelson, J. A., Walther, S., Gans, F., Kraft, B., Weber, U., Novick, K., Buchmann, N., Migliavacca, M., Wohlfahrt, G., Šigut, L., Ibrom, A., Papale, D., Göckede, M., Duveiller, G., Knohl, A., Hörtnagl, L., Scott, R. L., Zhang, W., Hamdi, Z. M. & Reichstein, M. & 64 others, Aranda-Barranco, S., Ardö, J., de Beeck, M. O., Billesbach, D., Bowling, D., Bracho, R., Brümmer, C., Camps-Valls, G., Chen, S., Cleverly, J. R., Desai, A., Dong, G., El-Madany, T. S., Euskirchen, E. S., Feigenwinter, I., Galvagno, M., Gerosa, G. A., Gielen, B., Godeed, I., Goslee, S., Gough, C. M., Heinesch, B., Ichii, K., Jackowicz-Korczynski, M. A., Klosterhalfen, A., Knox, S., Kobayashi, H., Kohonen, K. M., Korhonen, M., Mammarella, I., Gharun, M., Marzuoli, R., Matamala, R., Metzger, S., Montagnani, L., Nicolini, G., O'Halloran, T., Ourcival, J. M., Peichl,

M., Pendall, E., Reverter, B. R., Roland, M., Sabbatini, S., Sachs, T., Schmidt, M., Schwalm, C. R., Shekhar, A., Silberstein, R., Silveira, M. L., Spano, D., Tagesson, T., Tramontana, G., Trotta, C., Turco, F., Vesala, T., Vincke, C., Vitale, D., Vivoni, E. R., Wang, Y., Woodgate, W., Yezpez, E. A., Zhang, J., Zona, D. & Jung, M., 2024 Nov 18, In: *Biogeosciences*. 21, 22, p. 5079-5115 37 p.

Combining Sentinel-2 Data and Risk Maps to Detect Trees Predisposed to and Attacked by European Spruce Bark Beetle: Remote Sensing

Olsson, P.-O., Zhao, P., Müller, M., Mansourian, A. & Ardö, J., 2024 Nov 8, In: *Remote Sensing*. 16, 22, 4166.

Estimation of district-level spring barley yield in southern Sweden using multi-source satellite data and random forest approach

Li, X., Jin, H., Eklundh, L., Bouras, E. H., Olsson, P.-O., Cai, Z., Ardö, J. & Duan, Z., 2024 Sept 25, In: *International Journal of Applied Earth Observation and Geoinformation*. 134, 104183

What is the prospect of a perennial grain revolution of agriculture?

Olsson, L., Andersson, E., Ardö, J., Crews, T., David, C., DeHaan, L. R., Hilling, A., Streit Krug, A., Palmgren, M. G., Rey, S., Tagesson, T., Westerbergh, A. & Vestin, P., 2024 Sept 25, In: *Global Sustainability*. 7, p. 1-17 17 p., e35.

Eddy covariance measurements reveal a decreased carbon sequestration strength 2010–2022 in an African semiarid savanna

Wieckowski, A., Vestin, P., Ardö, J., Roupsard, O., Ndiaye, O., Diatta, O., Ba, S., Agbohessou, Y., Fensholt, R., Verbruggen, W., Gebremedhn, H. H. & Tagesson, T., 2024 Sept 1, In: *Global Change Biology*. 30, 9, e17509.

Response and resilience to drought in northern forests revealed by Sentinel-2

Müller, M., Olsson, P.-O., Eklundh, L., Jamali, S. & Ardö, J., 2024 Jul 12, In: *International Journal of Remote Sensing*. 45, 15, p. 5130–5157 28 p.

Where to restore – an approach to spatial prioritization of connectivity forests for forest landscape restoration

Jonsson, B. G., Wang, X., Svensson, J., Singh, N. J., Lopéz-Peinado, A., Bubnicki, J. W., Angelstam, P., Mikusiński, G. & Ardö, J., 2024 Jun 17, p. 152-152. 2 p.

Fast Fusion of Sentinel-2 and Sentinel-3 Time Series over Rangelands

Senty, P., Guzinski, R., Grogan, K., Buitenwerf, R., Ardö, J., Eklundh, L., Koukos, A., Tagesson, T. & Munk, M., 2024 Jun, In: *Remote Sensing*. 16, 11, 1833.

Increasing global ecosystem respiration between 1982 and 2015 from Earth observation-based modelling

Tagesson, T., Kelly, J., Schurgers, G., Tian, F., Ardö, J., Horion, S., Ahlström, A., Olin, S. & Fensholt, R., 2024, In: *Global Ecology and Biogeography*. 33, 1, p. 116-130

Optimizing Remote Sensing Data and Light Use Efficiency Model for Accurate Gross Primary Production Estimation in African Rangelands

Pal, M. K., Ardö, J., Eklundh, L., Cai, Z., Tagesson, T., Wieckowski, A., Buitenwerf, R., Davison, C., Grobler, D., Munk, M., Senty, P., Brümmer, C., Feig, G., Vanzyl, P. & Griffiths, P., 2024, *IGARSS 2024 - 2024 IEEE International Geoscience and Remote Sensing Symposium, Proceedings*. IEEE - Institute of Electrical and Electronics Engineers Inc., p. 4289-4293 5 p. (International Geoscience and Remote Sensing Symposium (IGARSS)).

Remotely Sensed Herbaceous Rangelands Biomass from African Rangelands: Validation and Uncertainties

Pal, M. K., Ardö, J., Eklundh, L., Cai, Z., Tagesson, T., Wieckowski, A., Buitenwerf, R., Davison, C., Grobler, D., Munk, M., Senty, P., Lo, A. & Griffiths, P., 2024, *IGARSS 2024 - 2024 IEEE International Geoscience and Remote Sensing Symposium, Proceedings*. IEEE - Institute of Electrical and Electronics Engineers Inc., p. 4986-4990 5 p. (International Geoscience and Remote Sensing Symposium (IGARSS)).

Politikerna struntar i klimatforskningen: 420 forskare: Regeringens politik är katastrofal – nu måste fler svenskar kräva en omställning

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Estimating local-scale forest GPP in Northern Europe using Sentinel-2: Model comparisons with LUE, APAR, the plant phenology index, and a light response function

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Sveriges utsläpp måste minska nu, regeringen: 531 forskare: Annars är sveket monumentalt – ni kan inte säga att ni inte visste

Skelton, A., Nicholas, K., Olsson, L., Alcer, D., Persson, T., Thorén, H., Krause, T., Knaggård, Å., Alleson, J., Busch, H., Isgren, E., Galafassi, D., Hildingsson, R., Ness, B., Ramasar, V., Becker, P., Gren, N., Richter, J. L., Barmark, M. & Libertson, F. & 65 others, Bakx, T., Thapa, S., Dahliner, A., Wårlind, D., Hederström, V., Ardö, J., Brangarí, A. C., Yourstone, J., Beltrán, J., Eklund, L., Akselsson, C., Ullström, S., Højdestrand, T., Svenbro, M., Dorkenoo, K., Osberg, G., Wiktorsson, M., Hammarlund, D., Persson, A.-M., Vestin, P., Lodh, A., Junttila, S., Byaruhanga, R., Johnson, E., Södergren, K., Lindroth, A., Malmqvist, E., Perrigo, A. L., Kallioinen, P., Palm, J., Johansson, T. B., Nicoson, C., Harrie, L., Lopez de Lapuente Portilla, A., Lindh, L., Nieradzic, L., Sjökvist, R., Betsholtz, A., Schwarz, J., Elvén Eriksson, H., Birken, P., Winberg, J., Hinton, J., Rydhe, E., Maad Sasane, S., Gabriëlsson, S., Persson, A., Frank, G., Roldin, P., Stroh, E., Jack, T., Nilsson, L., Oudin, A., Pongrácz, A., Carton, W., Sporre, M., Meier, A., Friberg, J., Svenningsson, B., Abdelhady, D., Bowling, D., Kritzberg, E., Hartman, L., Geretti, V. & et al., 2023 Apr 13, *Aftonbladet*.

Remote sensing and Earth observation systems

Nilsson, M., Ardö, J., Söderström, M., Allard, A., Brown, A. & Webber, L., 2023 Mar 17, *Monitoring biodiversity: Combining Environmental and Social Data*. Allard, A., Keskitalo, E. C. H. & Brown, A. (eds.). Routledge, p. 122-147

The effect of relative humidity on eddy covariance latent heat flux measurements and its implication for partitioning into transpiration and evaporation

Zhang, W., Jung, M., Migliavacca, M., Poyatos, R., Miralles, D. G., El-Madany, T. S., Galvagno, M., Carrara, A., Arriga, N., Ibrom, A., Mammarella, I., Papale, D., Cleverly, J. R., Liddell, M., Wohlfahrt, G., Markwitz, C., Mauder, M., Paul-Limoges, E., Schmidt, M. & Wolf, S. & 17 others, Brümmer, C., Arain, M. A., Fares, S., Kato, T., Ardö, J., Oechel, W., Hanson, C., Korkiakoski, M., Biraud, S., Steinbrecher, R., Billesbach, D., Montagnani, L., Woodgate, W., Shao, C., Carvalhais, N., Reichstein, M. & Nelson, J. A., 2023 Mar 1, In: *Agricultural and Forest Meteorology*. 330, 109305.

An assessment of climate extremes in Mbale Municipality in Eastern Uganda

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Convergence and divergence emerging in climatic controls of polynomial trends for northern ecosystem productivity over 2000–2018

Zhang, W., Jin, H., Jamali, S., Duan, Z., Wu, M., Ran, Y., Ardö, J., Eklundh, L., Jönsson, A. M., Sun, H., Hu, G., Wu, X., Yun, H., Wu, Q., Fu, Z., Yu, K., Tian, F., Tagesson, T., Li, X. & Xiao, J., 2023, In: *Science of the Total Environment*.

Features predisposing forest to bark beetle outbreaks and their dynamics during drought

Müller, M., Olsson, P.-O., Eklundh, L., Jamali, S. & Ardö, J., 2022 Nov 1, In: *Forest Ecology and Management*. 523, 120480.

Global maps of soil temperature

Lembrechts, J. J., van den Hoogen, J., Aalto, J., Ashcroft, M. B., De Frenne, P., Kemppinen, J., Kopecký, M., Luoto, M., Maclean, I. M. D., Crowther, T. W., Bailey, J. J., Haesen, S., Klings, D. H., Niittynen, P., Scheffers, B. R., Van Meerbeek, K., Aartsma, P., Abdalaze, O., Abedi, M. & Aerts, R. & 32 others, Ahmadian, N., Ahrends, A., Alatalo, J. M., Alexander, J. M., Allonsius, C. N., Altman, J., Ammann, C., Andres, C., Andrews, C., Ardö, J., Arriga, N., Arzac, A., Aschero, V., Assis, R. L., Assmann, J. J., Bader, M. Y., Bahalkeh, K., Barančok, P., Barrio, I. C., Buchmann, N., Eklundh, L., Jackowicz-Korczynski, M. A., Kelly, J., Kljun, N., Larson, K., Nilsson, M. B., Opedal, Ø. H., Siqueira, D. P., Stiegler, C., Tagesson, T., Lenoir, J. & et al., 2022, In: *Global Change Biology*. 28, 9, p. 3110-3144

The International Soil Moisture Network: Serving Earth system science for over a decade

Dorigo, W., Himmelbauer, I., Aberer, D., Schremmer, L., Petrakovic, I., Zappa, L., Preimesberger, W., Xaver, A., Annor, F., Ardö, J., Baldocchi, D., Bitelli, M., Blöschl, G., Bogena, H., Brocca, L., Calvet, J. C., Camarero, J. J., Capello, G., Choi, M. & Cosh, M. C. & 48 others, Van De Giesen, N., Hajdu, I., Ikonen, J., Jensen, K. H., Kanniah, K. D., De Kat, I., Kirchengast, G., Kumar Rai, P., Kyrouac, J., Larson, K., Liu, S., Loew, A., Moghaddam, M., Martínez Fernández, J., Mattar Bader, C., Morbidelli, R., Musial, J. P., Osenga, E., Palecki, M. A., Pellarin, T., Petropoulos, G. P., Pfeil, I., Powers,

J., Robock, A., Rüdiger, C., Rummel, U., Strobel, M., Su, Z., Sullivan, R., Tagesson, T., Varlagin, A., Vreugdenhil, M., Walker, J., Wen, J., Wenger, F., Wigneron, J.-P., Woods, M., Yang, K., Zeng, Y., Zhang, X., Zreda, M., Dietrich, S., Gruber, A., van Oevelen, P., Wagner, W., Scipal, K., Drusch, M. & Sabia, R., 2021 Nov 9, In: Hydrology and Earth System Sciences. 25, 11, p. 5749-5804 56 p.

Calibrating vegetation phenology from Sentinel-2 using eddy covariance, PhenoCam, and PEP725 networks across Europe

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Improvement of modeling plant responses to low soil moisture in JULESv4.9 and evaluation against flux tower measurements

Harper, A. B., Williams, K. E., Mcguire, P. C., Duran Rojas, M. C., Hemming, D., Verhoef, A., Huntingford, C., Rowland, L., Marthews, T., Breder Eller, C., Mathison, C., Nobrega, R. L. B., Gedney, N., Vidale, P. L., Otu-Larbi, F., Pandey, D., Garrigues, S., Wright, A., Slevin, D. & De Kauwe, M. G. & 14 others, Blyth, E., Ardo¨, J., Black, A., Bonal, D., Buchmann, N., Burban, B., Fuchs, K., De Grandcourt, A., Mammarella, I., Merbold, L., Montagnani, L., Nouvellon, Y., Restrepo-Coupe, N. & Wohlfahrt, G., 2021 Jun 3, In: Geoscientific Model Development. 14, 6, p. 3269-3294 26 p.

Sun-induced fluorescence and near-infrared reflectance of vegetation track the seasonal dynamics of gross primary production over Africa

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37 forskare och debattörer: AP-fonderna måste divestera

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A physiology-based Earth observation model indicates stagnation in the global gross primary production during recent decades

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A sentinel-2 dataset for Uganda

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Contrasting responses of woody and herbaceous vegetation to altered rainfall characteristics in the Sahel

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Temperature thresholds of ecosystem respiration at a global scale

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SoilTemp: A global database of near-surface temperature

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Pearse, W. D., Simpson, E., Stemkovski, M., Jessen Graae, B., Vedel Sørensen, M., Høye, T. T., Fernández Calzado, M. R., Lorite, J., Carbognani, M., Tomaselli, M., Forte, T. G. W., Petraglia, A., Haesen, S., Somers, B., Van Meerbeek, K., Björkman, M. P., Hylander, K., Merinero, S., Gharun, M., Buchmann, N., Dolezal, J., Matula, R., Thomas, A. D., Bailey, J. J., Ghosh, D., Kazakis, G., de Pablo, M. A., Kempainen, J., Niittynen, P., Rew, L., Seipel, T., Larson, C., Speed, J. D. M., Ardö, J., Cannone, N., Guglielmin, M., Malfasi, F., Bader, M. Y., Canessa, R., Stanisci, A., Kreyling, J., Schmeddes, J., Teuber, L., Aschero, V., Čiliak, M., Máliš, F., De Smedt, P., Govaert, S., Meeussen, C., Vangansbeke, P., Gigauri, K., Lamprecht, A., Pauli, H., Steinbauer, K., Winkler, M., Ueyama, M., Nuñez, M. A., Ursu, T. M., Haider, S., Wedegärtner, R. E. M., Smiljanic, M., Trouillier, M., Wilmking, M., Altman, J., Brúna, J., Hederová, L., Macek, M., Man, M., Wild, J., Vittoz, P., Pärtel, M., Barančok, P., Kanka, R., Kollár, J., Palaj, A., Barros, A., Mazzolari, A. C., Bauters, M., Boeckx, P., Benito Alonso, J. L., Zong, S., Di Cecco, V., Sitková, Z., Tielbörger, K., van den Brink, L., Weigel, R., Homeier, J., Dahlberg, C. J., Medinets, S., Medinets, V., De Boeck, H. J., Portillo-Estrada, M., Verryckt, L. T., Milbau, A., Daskalova, G. N., Thomas, H. J. D., Myers-Smith, I. H., Blonder, B., Stephan, J. G., Descombes, P., Zellweger, F., Frei, E. R., Heinesch, B., Andrews, C., Dick, J., Siebicke, L., Rocha, A., Senior, R. A., Rixen, C., Jimenez, J. J., Boike, J., Pauchard, A., Scholten, T., Scheffers, B., Klings, D., Basham, E. W., Zhang, J., Zhang, Z., Géron, C., Fazlioglu, F., Candan, O., Sallo Bravo, J., Hrbacek, F., Laska, K., Cremonese, E., Haase, P., Moyano, F. E., Rossi, C. & Nijs, I., 2020 Nov 1, In: *Global Change Biology*. 26, 11, p. 6616-6629 14 p.

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Greenhouse gas observation network design for Africa

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Björk, J., Ardö, J. & Albin, M., 2006, p. 20-21.

Road traffic noise in southern Sweden and its relation to annoyance, disturbance of daily activities and health.

Björk, J., Ardö, J., Stroh, E., Lökvist, H., Östergren, P.-O. & Albin, M., 2006, In: *Scandinavian Journal of Work, Environment and Health*. 32, 5, p. 392-401

Traffic noise exposure estimation using GIS

Ardö, J., Stroh, E., Björk, J. & Albin, M., 2006, p. 13-14.

Trafikbuller och hälsa i Skåne

Albin, M., Björk, J. & Ardö, J., 2006, [Publisher information missing]. (Rapport nr. 1., Skrifter från Lyssnande Lund, Ljudmiljöcentrum vid Lunds Universitet; vol. 1)

A recent greening of the Sahel - Trends, patterns and potential causes

Olsson, L., Eklundh, L. & Ardö, J., 2005, In: *Journal of Arid Environments*. 63, 3, p. 556-566

Carbon Sequestration in Dryland Soils

Pretty, J., Olsson, L., Farage, P., Warren, A., Tschakert, P. & Ardö, J., 2005, Food and Agriculture Organization of the United Nations (FAO). 132 p. (World Soil Resources Report; vol. 102)

Determinants of woody cover in African savannas

Sankaran, M., Hanan, N., Scholes, R., Ratnam, J., Augustine, D., Cade, B., Gignoux, J., Higgins, S., Le Roux, X., Ludwig, F., Ardö, J., Banyikwa, F., Bronn, A., Bucini, G., Caylor, K., Coughenour, M., Diouf, A., Ekaya, W., Feral, C. & February, E. & 10 others, Frost, P., Hiernaux, P., Hrabar, H., Metzger, K., Prins, H., Ringrose, S., Sea, W., Tews, J., Worden, J. & Zambatis, N., 2005, In: *Nature*. 438, 7069, p. 846-849

Precipitation controls Sahel greening trend

Hickler, T., Eklundh, L., Seaquist, J., Smith, B., Ardö, J., Olsson, L., Sykes, M. & Sjöström, M., 2005, In: *Geophysical Research Letters*. 32, 21

Trafik, Människor och Miljö i Skåne

Ardö, J., 2005, [Publisher information missing].

Using remote sensing to model carbon source/sink dynamics in the sahel

Seaquist, J. W., Ardö, J. & Olsson, L., 2005, *Proceedings, 31st International Symposium on Remote Sensing of Environment, ISRSE 2005: Global Monitoring for Sustainability and Security*.

Using remote sensing to model source/sink dynamics in the Sahel

Seaquist, J., Ardö, J. & Olsson, L., 2005, [Host publication title missing]. ICRSE, ICORSE, ISPRS, 4 p.

Vägbuller i Skåne - Socioekonomi, störning och hälsa

Albin, M., Ardö, J., Björk, J., Stroh, E., Lökvist, H. & Östergren, P., 2005, In: [Publication information missing].

Critical loads of acidity for forest soils and relationship to forest decline in the northern Czech Republic

Akselsson, C., Ardö, J. & Sverdrup, H., 2004, In: *Environmental Monitoring & Assessment*. 98, 1-3, p. 363-379

Distributed assessment of soil carbon - effects of data uncertainty

Ardö, J. & Poussart, J.-N., 2004.

Effects of data uncertainties on estimated soil organic carbon in the Sudan

Poussart, J.-N., Ardö, J. & Olsson, L., 2004, In: *Environmental Management*. 33, p. S405-S415

Estimating carbon in drylands by combining top-down and bottom-up approaches

Ardö, J., Olsson, L. & Seaquist, J., 2004.

Soil carbon sequestration in traditional farming in Sudanese dry lands

Ardö, J. & Olsson, L., 2004, In: Environmental Management. 33, p. S318-S329

Verification of soil carbon sequestration - sample requirements.

Poussart, J. N., Ardö, J. & Olsson, L., 2004, In: Environmental Management. 33, Supplement 1, p. 416-425

Verification of soil carbon sequestration: Sample requirements

Poussart, J.-N., Ardö, J. & Olsson, L., 2004, In: Environmental Management. 33, p. S416-S425

A remote sensing-based primary production model for grassland biomes

Seaquist, J., Olsson, L. & Ardö, J., 2003, In: Ecological Modelling. 169, 1, p. 131-155

Assessment of soil organic carbon in semi-arid Sudan using GIS and the CENTURY model

Ardö, J. & Olsson, L., 2003, In: Journal of Arid Environments. 54, 4, p. 633-651

Desert locust control in ecologically sensitive areas: Need for guidelines.

Wiktelius, S., Ardö, J. & Fransson, T., 2003, In: Ambio: a Journal of the Human Environment. 32, 7, p. 463-468

Investigating the use of Landsat thematic mapper data for estimation of forest leaf area index in southern Sweden

Eklundh, L., Hall, K., Eriksson, H., Ardö, J. & Pilesjö, P., 2003, In: Canadian Journal of Remote Sensing. 29, 3, p. 349-362

Testing a satellite data based light use efficiency model for mapping primary production.

Seaquist, J., Olsson, L. & Ardö, J., 2003.

Soil carbon sensitivity of the CENTURY model with regards to land management and climate.

Poussart, N., Ardö, J. & Olsson, L., 2002, In: [Publication information missing]. p. 157-157

Soil carbon sequestration in degraded semiarid agro-ecosystems - Perils and Potentials

Olsson, L. & Ardö, J., 2002, In: Ambio: a Journal of the Human Environment. 31, 6, p. 471-477

Soil carbon sequestration in traditional farming in Sudanese dry lands

Ardö, J. & Olsson, L., 2002, In: [Publication information missing]. p. 35-35

Verification of soil carbon sequestration

Poussart, N., Ardö, J. & Olsson, L., 2002, In: [Publication information missing]. p. 156-156

The potential benefits of carbon sinks in dryland agricultural soils

Olsson, L., Warren, A. & Ardö, J., 2001, Arid Lands Newsletter, 49.

Critical levels of SO₂ - uncertainty and relationships to Regional Forest Decline

Ardö, J., Barkman, J. & Arvidsson, P., 2000, In: Geographical & Environmental Modelling. 4, 2, p. 131-161

Remote Sensing of Forest Decline in the Czech Republic

Ardö, J., 1998, Lund University Press. 150 p.

Satellite-based estimations of coniferous forest cover changes: Krusne Hory, Czech Republic 1972-1989

Ardö, J., Lambert, N., Henzlík, V. & Rock, B. N., 1997 May, In: Ambio: a Journal of the Human Environment. 26, 3, p. 158-166 9 p.

Neural networks, multitemporal landsat thematic mapper data and topographic data to classify forest damages in the Czech republic

Ardö, J., Pilesjö, P. & Skidmore, A., 1997, In: Canadian Journal of Remote Sensing. 23, 3, p. 217-229 13 p.

Neural networks, multi temporal TM data and topographic data to classify forest damages in the Czech Republic

Ardö, J., Pilesjö, P. & Skidmore, A., 1997, In: Canadian Journal of Remote Sensing. 23, 3, p. 217-229

Cover Coal burning power plants and forest damage in the Czech Republic

Ardö, J., 1995, In: International Journal of Remote Sensing. 16, 6, p. 989-991

Spectral characterization and regression based estimates of forest damage in Norway Spruce stands in the Czech Republic using Landsat Thematic Mapper data

Lambert, N., Ardö, J., Rock, B. N. & Vogelmann, J. E., 1995, In: International Journal of Remote Sensing. 16, 7, p. 1261-1287

The use of satellite remote sensing to monitor forest decline in the United States and Europe

Rock, B. & Ardö, J., 1993, *Optics for Protection of Man and Environment Against Natural and Technological Disasters : selected contributions to the second International Conference on Optics Within Life Sciences, OWLS II, Münster, Germany, 4-9 October 1992*. Bally, G. V. & Bjelkhagen, H. I. (eds.). Elsevier, p. 49-58

On the accuracy of the global positioning system-a test using a hand-held receiver

Ardö, J. & Pilesjö, P., 1992 Nov, In: International Journal of Remote Sensing. 13, 16, p. 3229-3233 5 p.

Volume quantification of coniferous forest compartments using spectral radiance recorded by Landsat Thematic Mapper

Ardö, J., 1992, In: International Journal of Remote Sensing. 13, 9, p. 1779-1786

Samband mellan Landsat TM-data och skoglig produktivitet i södra Sverige

Ardö, J., 1991, In: Svensk Geografisk Årsbok. 67, p. 15-23 9 p.

Activities

Microbial resource colimitation in soils

Ardö, J. (Joint first/primary/lead supervisor), C. Brangarí, A. (Joint first/primary/lead supervisor) & Hicks, L. (Joint first/primary/lead supervisor)

2026 Jan 1

Reviewing submitted grant applications

Ardö, J. (Role not specified)

2025 Nov 1

Detecting Structurally Old Scots Pine A Crown-Metric Approach Using National ALS and LIFT Enrichment

Ardö, J. (Role not specified)

2025 Sept 1 → 2026 Jan 31

Evaluation of scientific project proposals.

Ardö, J. (Role not specified)

2025 Sept 1

Perennial crops for soil health 2 (Alnarp, Sweden)

Ardö, J. (Interviewee)

2025 Jul 1

Mapping Vegetation Dynamics Under Drought Stress : Integrating Satellite, Meteorological, and Terrestrial Geospatial Data

Ardö, J. (First/primary/lead supervisor)
2025 Jun 9

Poster: Let That Sink In- Carbon Uptake of Perennial Intermediate Wheatgrass in Southern Sweden

Widengren, V. (Presenter), Ardö, J. (Contributor), Holst, J. (Contributor), Biermann, T. (Contributor) & Vestin, P. (Contributor)
2025 May 1

Odling, hantering, och användning av det nya perenna spannmålet Kernza

Ardö, J. (Member of programme committee) & Olsson, L. (Chair)
2024 Nov 26

BECC annual meeting 2024 - From Global to Local

Gustafson, A. (Organiser), Marshall, J. (Organiser), Kang, Y. H. (Organiser), Ardö, J. (Speaker), Brady, M. V. (Speaker), Lindgren, A. (Speaker), Nikoleris, A. (Speaker), Faurby, S. (Speaker), Jönsson, J. (Speaker), Ahlström, A. (Speaker), Akselsson, C. (Speaker), Zuleta, D. (Speaker), Zelli, F. (Speaker), Pugh, T. (Speaker), Björk, R. G. (Speaker) & Gärdenäs, A. (Speaker)
2024 Nov 12 → 2024 Nov 13

Bedömning av uppsatser i Naturgeografi - Seminarium

Ardö, J. (Chair)
2024 Nov 11

Modelling carbon in perennial agroecosystems

Ardö, J. (First/primary/lead supervisor)
2024 Jun 1 → 2026 Dec 31

Klimat och sånt...Vad gör dom vid Lunds Universitetet i Lund?

Ardö, J. (Invited speaker)
2023 Dec 8

Rangeland Monitoring Using Earth Observation (RAMONA)

Ardö, J. (First/primary/lead supervisor)
2022 Sept 1 → 2024 Sept 30

Impact of land use on land-atmosphere exchange of greenhouse gases in savannahs of Sahel

Ardö, J. (Supervisory team member)
2022 Jun 1 → 2027 Jan 1

Evaluation of proposals for STEREO IV programme "Support To the Exploitation and Research of Earth Observation data".

Ardö, J. (Reviewer)
2022

Theme I: Knowledge on crisis and resilience in the sustainability context

Wittbom, C. (Organiser), Arvidsson, S. (Chair), Rydström, H. (Chair), Nilsson, L. J. (Chair), Ardö, J. (Presenter), Jones, B. (Presenter), Mont, O. (Presenter), Laike, T. (Presenter), Månsson, M. (Presenter), Eksell, J. (Presenter), Agneman, G. (Presenter) & Schoonover, H. (Presenter)
2021 May 4

Evaluation of proposals for Deutsche Forschungsgemeinschaft (DFG)

Ardö, J. (Reviewer)
2021

Evaluation of scientific proposals for the Czech Science Foundation

Ardö, J. (Role not specified)
2020 Jan 1 → 2025 Aug 1

Extrapolating forest biomass dynamics over large areas using time-series remote sensing

Ardö, J. (Commissioned member of Examining committee)
2020

Uppdrag till samt utseende av arbetsgrupp rörande beräkningsvetenskap

Ardö, J. (Member)
2020

Urban Resilience to Climate Change Shocks and Stresses in Mbale Municipality in Uganda

Ardö, J. (Supervisory team member)
2019 Dec 13

Barkborrar skogsskador, klimat och fjärranalys

Ardö, J. (Invited speaker)
2019 Nov 26

Geografiska informationssystem

Ardö, J. (Invited speaker)
2019 Mar 5

Vegetation Observation in the Big Data Era : Sentinel-2 data for mapping the seasonality of land vegetation

Ardö, J. (Supervisory team member)
2019 Feb 22

University of Copenhagen, evaluation of Data+ applications for assessment

Ardö, J. (Reviewer)
2019

Modelling the terrestrial carbon cycle – drivers, benchmarks, and model-data fusion

Ardö, J. (Supervisory team member)
2018 Oct 19

Från skog är du kommen- skog ska du åter vara

Ardö, J. (First/primary/lead supervisor)
2018 Sept 1 → 2026 Mar 3

Linkages between carbon sequestration, soil fertility and hydrology in dryland Acacia senegal plantations in Sudan: a chronosequence study

Ardö, J. (Examiner)
2018 Jun

Satelliter kartlägger världens färskvatten med gravitation

Ardö, J. (Interviewee) & Svahn, O. (Lyricist)
2018 May 16

Assessment of African Vegetation resources: New Perspectives from Passive Microwave Observations

Ardö, J. (First/primary/lead supervisor)
2018 → 2019

Formas elektorsförsamling

Ardö, J. (Member)
2018

Greenhouse gases - biogeochemistry and measurement techniques in ecosystems and landscapes

Eklundh, L. (First/primary/lead supervisor), Kljun, N. (Joint second supervisor) & Ardö, J. (Second supervisor)
2017 Sept 1

Global Savannah Phenology : Integrating Earth Observation, Ecosystem Modeling, and PhenoCams

Ardö, J. (Supervisory team member)
2017 Mar 10

Primary Production in African Drylands : Quantifying Supply and Demand Using Earth Observation and Socio-ecological Data

Ardö, J. (First/primary/lead supervisor)
2017 Mar 3

Carbon dynamics in the Sahel

Ardö, J. (Speaker)
2017 Feb 28

Big Data for a Small Planet

Ardö, J. (Organiser), Eklundh, L. (Organiser) & Potapov, P. (Organiser)
2017 Feb 27 → 2017 Feb 28

Assessment of Dozent application

Ardö, J. (Reviewer)
2017

Copernicus Technical User Group (lot "Vegetation and Energy")

Ardö, J. (Member)
2017

Micrometeorology in Sudan and its relationship to vegetation productivity

Ardö, J. (First/primary/lead supervisor)
2017

Poster: Climate data induced uncertainty in model based estimations of terrestrial primary productivity

Wu, Z. (Presenter), Ahlström, A. (Contributor), Smith, B. (Contributor), Ardö, J. (Contributor), Eklundh, L. (Contributor), Fensholt, R. (Contributor) & Lehsten, V. (Contributor)
2016 Dec 13

Monitoring biodiversity in cultural landscapes: development of remote sensing- and GIS-based methods

Ardö, J. (Supervisory team member)
2016 Jun 17

Belgian Remote Sensing Research Programme – Evaluation of proposal REFORCHA

Ardö, J. (Reviewer)
2016

Earth Observation of vegetation dynamics in global drylands — Evaluating long-term optical and microwave datasets and analyzing woody vegetation trends

Ardö, J. (Examiner)
2016

Evaluator for Associate Senior Lecturer in Forest Remote Sensing, Department of Forest Resource Management, SLU Umeå

Ardö, J. (Reviewer)
2016

Less for More or More for Less?

Ardö, J. (Organiser)
2015 Apr 21 → 2015 Apr 22

Less for More or More for Less?

Ardö, J. (Role not specified)
2015 Apr 21

Less for More or More for Less?

Ardö, J. (Role not specified)
2015 Apr 21 → 2015 Apr 22

Jorden blir grönare

Ardö, J. (Interviewee)
2015 Apr 2

Analyzing Vegetation Trends with Sensor Data from Earth Observation Satellites

Ardö, J. (Supervisory team member)
2014 Oct 24

Light use efficiency in Africa

Ardö, J. (First/primary/lead supervisor)
2014 → 2015

Explaining Agricultural Yield Gaps in Cameroon

Ardö, J. (Second supervisor)
2013 May 3

A green future with thawing permafrost mires

Ardö, J. (Examiner)
2013 Mar 1

Satellite Remote Sensing of primary production in Africa

Ardö, J. (First/primary/lead supervisor)
2012 Feb 3

Vegetation productivity in Africa - satellite based studies

Ardö, J. (First/primary/lead supervisor)
2012

Estimating primary productivity of semi arid rangelands using MODIS data.

Ardö, J. (Invited speaker)
2011 Sept

Ambio: a Journal of the Human Environment (Journal)

Ardö, J. (Editorial board member)
2011 Aug 1 → 2011 Dec 31

The Use of GIS in Assessing Exposure to Airborne Pollutants

Ardö, J. (Supervisory team member)
2011 Jan 11

Proposal evaluation for SIDA (Swedish International Development Cooperation Agency)

Ardö, J. (Reviewer)
2011

User Support Programme Space Research 2007-201

Ardö, J. (Reviewer)
2011

Measurements and estimations of carbon uxes in the Sahel - combining in-situ measurements and remote sensing

Ardö, J. (Invited speaker)
2010 Nov 25

Remote Sensing of Carbon Dynamics in the Sahel

Ardö, J. (Invited speaker)
2010 Sept 29

Ecological Modelling (Journal)

Ardö, J. (Peer reviewer)
2010 Jan 1 → 2015 Jan 1

Climate Change and Carbon in Africa

Ardö, J. (Invited speaker)
2009 May

Kolflöden i Sahel

Ardö, J. (Invited speaker)
2009 Mar 10

Remote sensing and GIS for carbon cycle studies in semi arid environments

Ardö, J. (Invited speaker)
2009 Jan

Remote sensing and GIS for studies in semi arid environments

Ardö, J. (Invited speaker)
2009 Jan

Evaluation of Forskarassistent (assistant professor) in Water and Environmental Studies, Linköping university

Ardö, J. (Reviewer)
2009

Livelihood Dependency and Management on Semi-Arid Oak Forests: The Case of Southern Zagros, Iran

Ardö, J. (Examiner)
2009

Satellite remote sensing

Ardö, J. (First/primary/lead supervisor)
2008 → 2009

CARBOAFRICA

Ardö, J. (Second supervisor)
2007 → 2010

Reviewer for a promotion to associate professor

Ardö, J. (Reviewer)
2007

Livelihood diversification and land use change in the Sahel: an interdisciplinary analysis of gum arabic in Sudan

Ardö, J. (Supervisory team member)
2006 Apr 4

Ambio: a Journal of the Human Environment (Journal)

Ardö, J. (Editor)
2006 → 2014

Assessment of forest resources in Sweden

Ardö, J. (Consultant)
2005

develop a knowledge base regarding carbon sequestration in arid and semi-arid environments

Ardö, J. (Consultant)
2000 → 2001

GIS teaching in China.

Ardö, J. (Consultant)
1999

No 2188/PHD/AGP/TBVMR/95

Ardö, J. (External reviewer)
1996

Supervision of 37 Master students in Physical Geography

Ardö, J. (First/primary/lead supervisor)
1995 → 2025

Various journals (Journal)

Ardö, J. (Peer reviewer)
1990 Jan 1 → ...

Various (Publisher)

Ardö, J. (Peer reviewer)
1990 → 2025

Awards

Reduced growth and carbon sink in Swedish Forest - where, when and why?

Ardö, J. (PI)
Swedish National Space Agency: SEK4,886,000.00
2026/01/01 → 2029/12/31

Projects

AfriVeg: Assessment of African Vegetation Resources - New Perspectives from Satellite Passive Microwave Datasets

Tian, F. (PI) & Ardö, J. (Supervisor)
2018/01/01 → 2019/12/31

BECC AG: Soil as a tool for climate change mitigation: can it really buy us the time that we need?

Aleklett Kadish, K. (Researcher), Hammer, E. (Researcher), Hedlund, K. (Researcher), Möller, I. (Researcher), Metcalfe, D. (Researcher), Brady, M. V. (Researcher), Ardö, J. (Researcher), Nielsen, T. (Researcher) & Abdi, H. (Researcher)
2018/10/01 → 2019/05/31

Big Geospatial Data, Deep Learning - Tackling New Scientific Frontiers

Ardö, J. (PI)
Crafoord Foundation
2022/09/14 → 2024/09/13

Capturing Carbon in Perennial Cropping Systems

Vestin, P. (Researcher), Ardö, J. (PI), Andersson, E. (Researcher), Olsson, L. (Researcher), Westerbergh, A. (Researcher), Crews, T. (Researcher) & Olin, S. (Researcher)
FORMAS, The Swedish Research Council for Environment, Agricultural Sciences and Spatial Planning
2022/10/01 → 2027/09/30

CarboScale : Scaling carbon flux from towers to the northern landscape

Eklundh, L. (PI), Ardö, J. (Col), Klemedtsson, L. (Col), Kljun, N. (Col), Lindström, J. (Col) & Nilsson, M. B. (Col)
FORMAS, The Swedish Research Council for Environment, Agricultural Sciences and Spatial Planning
2017/01/01 → 2020/12/31

Climate Change requires Agricultural Change

Ardö, J. (Researcher), Olin, S. (Researcher), Tagesson, T. (Researcher), Vestin, P. (Researcher), Hicks, L. (Researcher), Rousk, J. (Researcher), Olsson, L. (Researcher) & Andersson, E. (Researcher)
2026/01/01 → 2026/12/31

CLIMB-FOREST: CLimate Mitigation and Bioeconomy pathways for sustainable FORESTry

Kristensson, A. (PI), Miller, P. (PI), Holst, T. (Researcher), Ahlström, A. (Researcher), Ardö, J. (Researcher), Eklundh, L. (Researcher), Kljun, N. (Researcher), Pugh, T. (Researcher), Roldin, P. (Researcher), Volle, C. (Research student) & Kelly, J. (Researcher)
European Commission - Horizon Europe
2022/10/01 → 2027/03/31

Climate Mitigation Potential of Perennial Crops in Agriculture

Widengren, V. (Research student), Ardö, J. (Supervisor), Vestin, P. (Assistant supervisor), Biermann, T. (Assistant supervisor) & Holst, J. (Assistant supervisor)
2024/04/10 → ...

HR-VPP2: Copernicus High-Resolution Vegetation Phenology and Productivity II

Eklundh, L. (Researcher), Jin, H. (Researcher), Cai, Z. (Researcher) & Ardö, J. (Col)
2024/09/16 → 2028/09/17

Disentangling drivers of change in terrestrial primary production

Wu, Z. (PI), Lehsten, V. (Supervisor), Eklundh, L. (Assistant supervisor), Ardö, J. (Assistant supervisor), Ahlström, A. (Assistant supervisor) & Fensholt, R. (Assistant supervisor)

Drought impact on Swedish terrestrial ecosystems - detecting and mapping vegetation change

Ardö, J. (Researcher), Eklundh, L. (Researcher), Jamali, S. (Researcher), Olsson, P.-O. (Researcher) & Müller, M. (Research student)
2019/09/01 → 2024/06/01

Global Savannah Phenology: Integrating Earth Observation, Ecosystem Modeling, and PhenoCams

Boke Olén, N. (Researcher), Lehsten, V. (Supervisor), Eklundh, L. (Assistant supervisor), Ardö, J. (Assistant supervisor) & Holst, T. (Assistant supervisor)
2012/02/01 → 2017/03/10

Impact of land use on land-atmosphere exchange of greenhouse gases in savannahs of Sahel

Tagesson, T. (PI), Ardö, J. (Researcher) & Wieckowski, A. (Research student)

FORMAS, The Swedish Research Council for Environment, Agricultural Sciences and Spatial Planning

2022/01/01 → 2025/12/31

PERENNIAL: Is there a PERENNIAL future of agriculture?

Olsson, L. (PI), Andersson, E. (Researcher), Carton, W. (Researcher), Schüller, S. (Research student), Kardum Smith, C. (Administrator), Ardö, J. (Researcher), Biermann, T. (Research engineer), Gustafson, A. (Researcher), Olin, S. (Researcher), Tagesson, T. (Researcher), Widengren, V. (Research student), Vestin, P. (Researcher), Voss, A.-K. (Research student), Crews, T. (Researcher), Streit Krug, A. (Researcher), Westerbergh, A. (Researcher), David, C. (Researcher) & Rey, S. (Researcher)

2024/04/01 → 2028/05/31

Land is Life

Arvidsson, S. (Researcher), Boyd, E. (Project coordinator), Gabrielsson, S. (Researcher), Yengoh, G. T. (Researcher), Jönsson, K. (Researcher), Åkerman, A. (Researcher), Andersson, A. (Researcher) & Ardö, J. (Researcher)

2019/03/01 → 2019/11/30

LU Land

Smith, H. (PI), Boyd, E. (PI), Börjesson, P. (PI), Clough, Y. (PI), Akselsson, C. (PI), Ekroos, J. (PI), Wilhelmsson, F. (PI), Brogaard, S. (PI), Alkan Olsson, J. (PI), Olsson, P. A. (PI), Dänhardt, J. (Project coordinator), Wamsler, C. (Researcher), Brady, M. V. (Researcher), Kander, A. (Researcher), Chaminade, C. (Researcher), Thorén, H. (Researcher), Persson, J. (Researcher), Johansson, M. (Researcher), Strandberg, P. (Researcher), Berndtsson, R. (Researcher), Olander, S. (Researcher), Kopsch, F. (Researcher), Khan, J. (Researcher), Björnsson, L. (Researcher), Kyrö, R. (Researcher), Hansson, L.-A. (Researcher), Brönmark, C. (Researcher), Hammer, E. (Researcher), Wallander, H. (Researcher), Rundlöf, M. (Researcher), DHertefeldt, T. (Researcher), Hedlund, K. (Researcher), Persson, A. (Researcher), Hansson, M. (Researcher), May, W. (Researcher), Koca, D. (Researcher), von Post, M. (Researcher), Sahlin, U. (Researcher), Kljun, N. (Researcher), Persson, P. (Researcher), Jönsson, A. M. (Researcher), Ardö, J. (Researcher), Seaquist, J. (Researcher), Olin, S. (Researcher), Finnander Linderson, M.-L. (Researcher), Eklundh, L. (Researcher), Bülow, L. (Researcher), Germundsson, T. (Researcher), Andersson, E. (Researcher), Olsson, L. (Researcher), Nicholas, K. (Researcher), Stripple, J. (Researcher), Nilsson, K. (Researcher), Hildingsson, R. (Researcher), Zelli, F. (Researcher), Nielsen, T. (Researcher), Knaggård, Å. (Researcher), Jönsson, K. (Researcher), Johansson, H. (Researcher), Appelstrand, M. (Researcher), Persson, K. M. (Researcher), Becker, P. (Researcher), Nikoleris, A. (Researcher), Kristensson, A. (Researcher), Sporre, M. (Researcher), Aits, S. (Researcher), Runemark, A. (Researcher), Klatt, B. (Researcher), Kritzberg, E. (Researcher), Andersson, A. (Researcher), Caretta, M. A. (Researcher), Ramasar, V. (Researcher), Scholze, M. (Researcher), Nielsen, A. (Researcher), Eklund, L. (Researcher), Johansson, E. (Researcher), Carton, W. (Researcher) & Hickmann, T. (Researcher)

2019/06/14 → ...

Modelling carbon uptake in Nordic forest landscapes using remote sensing

Eklundh, L. (Supervisor), Kljun, N. (Assistant supervisor), Ardö, J. (Assistant supervisor) & Tagesson, T. (Assistant supervisor)

2017/06/01 → 2023/03/31

Modelling grasslands and perennial crops

Voss, A.-K. (Research student), Tagesson, T. (Supervisor), Olin, S. (Assistant supervisor) & Ardö, J. (Assistant supervisor)

2024/07/01 → ...

Mot klimatsmart jordbruk: Utvärdering av N2O-utsläpp och klimatpåverkan i södra Sverige

Vestin, P. (PI), Ardö, J. (Researcher) & Biermann, T. (Researcher)

Swedish Board of Agriculture

2025/01/01 → 2027/07/01

Near real-time monitoring and risk mapping of spruce bark beetle attacks - an integrated framework based on remote sensing, geodata and modelling

Olsson, P.-O. (PI), Jamali, S. (Researcher), Müller, M. (Researcher), Zhao, P. (Researcher), Svystun, T. (Researcher), Jönsson, A. M. (Researcher), Lindström, J. (Researcher), Persson, A. (Researcher), Mansourian, A. (Researcher) & Ardö, J. (Researcher)

Swedish National Space Agency
2021/01/01 → 2024/12/31

CARBOAFRICA: Quantification, understanding and prediction of carbon cycle, and other GHG gases, in Sub-Saharan Africa

Valentini, R. (Project coordinator), Ardö, J. (PI) & Lehsten, V. (Researcher)
2006/10/01 → 2009/09/30

RAMONA: Rangeland Monitoring for Africa, ESA

Ardö, J. (PI), Tagesson, T. (Researcher), Buitenwerf, R. (PI), Griffiths, P. (Researcher) & Munk, M. (Researcher)
2022/01/01 → 2025/12/31

Reduced growth and carbon sink in Swedish Forest - where, when and why?

Ardö, J. (PI) & Eklundh, L. (Col)
Swedish National Space Agency
2026/09/01 → 2030/12/31

SWEFOR: Reduced growth and carbon sink in Swedish Forest - where, when and why?

Ardö, J. (Researcher) & Eklundh, L. (Researcher)
2026/01/01 → 2029/12/31

Soil to Science

Ardö, J. (PI) & Ljung, K. (Col)
2025/01/01 → ...

Upscaling carbon fluxes to a landscape

Junttila, S. (Research student), Eklundh, L. (Supervisor), Kljun, N. (Assistant supervisor) & Ardö, J. (Assistant supervisor)
2017/09/01 → 2023/03/31

Under konstruktion

Under konstruktion

2025 Under konstruktion