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Research

My research interest include Carbon cycle studies in Africa. Eddy covariance measurement in Sudan (until 2009) and in Senegal (started 2010). Up-scaling using remote sensing to estimate GPP using Earth observation data such as MODIS data. Processing of SENTINEL-2 data. Recently we started to work on PERENNIAL crops in Sweden.
Teaching: NGEK01, NGEN08 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

Professor, Teaching staff
Dept of Physical Geography and Ecosystem Science
Lund University
Lund, Sweden
2015 Sept 21 → present

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

Research outputs

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.

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., Goded, I., Goslee, S., Gough, C. M., Heinesch, B., Ichii, K., Jackowicz-Korczynski, M. A., Klosterhalfen, A., Knox, S., Kobayashi, H., Kohonen, K. M., Korkiakoski, 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., Reverte, 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., Yepez, 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.

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

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

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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., Buitenhof, 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)).

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

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

Politikerna struntar i klimatforskningen: 420 forskare: Regeringens politik är katastrofal – nu måste fler svenskar kräva en omställning
et al., 2023 Nov 30, Aftonbladet Debatt.

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

Junttila, S., Ardö, J., Cai, Z., Jin, H., Kljun, N., Klemedtsson, L., Krasnova, A., Lange, H., Lindroth, A., Mölder, M., Noe, S., Tagesson, T., Vestin, P., Weslien, P. & Eklundh, L., 2023 Jun, In: Science of Remote Sensing. 7, 100075.

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

Skelton, A., Nicholas, K., Olsson, L., Alcer, D., Persson, T., Thorén, H., Krause, T., Knaggård, Å., Allesson, 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., Dahlner, A., Wårliind, D., Hedeström, V., Ardö, J., Brangarí, A. C., Yourstone, J., Beltrán, J., Eklund, L., Akselsson, C., Ullström, S., Höjdestrand, 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., Nieradzik, L., Sjökvist, R., Betsholtz, A., Schwarz, J., Elvén Eriksson, H., Birken, P., Winberg, J., Hinton, J., Rydhe, E., Maad Sasane, S., Gabrielsson, 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

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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

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Improvement of modeling plant responses to low soil moisture in JULESvn4.9 and evaluation against flux tower measurements

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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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Recent divergence in the contributions of tropical and boreal forests to the terrestrial carbon sink

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"Vi klimatforskare stödjer Greta och skolungdomarna"

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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. 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

Satellite Based Estimations of Coniferous Forest Cover Changes : Krusne Hory, Czech Republic
Ardö, J., Lambert, N., Henzlík, V. & Rock, B., 1997, In: Ambio: a Journal of the Human Environment. 26, 3, p. 158-166

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
Ardo, J., 1991, In: Svensk Geografisk Arsbok. 67, p. 15-23 9 p.

Activities

Perennial crops for soil health 2 (Alnarp, Sweden)
Ardö, J. (Role not specified)
2025 Jul 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), Åkselsson, 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. (Role not specified)

2024 Nov 11

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

Geografiska informationssystem

Ardö, J. (Invited speaker)

2019 Mar 5

Satelliter kartlägger världens färskvatten med gravitation

Ardö, J. (Interviewee) & Svahn, O. (Lyricist)

2018 May 16

Greenhouse gases - biogeochemistry and measurement techniques in ecosystems and landscapes

Eklundh, L. (First/primary/lead supervisor), Klijn, N. (Joint second supervisor) & Ardö, J. (Second supervisor)

2017 Sept 1

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

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

Less for More or More for Less?

Ardö, J. (Organiser)

2015 Apr 21 → 2015 Apr 22

Jorden blir grönare

Ardö, J. (Interviewee)

2015 Apr 2

Ambio: a Journal of the Human Environment (Journal)

Ardö, J. (Editorial board member)

2011 Aug 1 → 2011 Dec 31

Ecological Modelling (Journal)

Ardö, J. (Peer reviewer)

2010 Jan 1 → 2015 Jan 1

Ambio: a Journal of the Human Environment (Journal)

Ardö, J. (Editor)

2006 → 2014

Various journals (Journal)

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

Awards

Capturing Carbon in Perennial Cropping Systems

Ardö, J. (PI)
FORMAS, The Swedish Research Council for Environment, Agricultural Sciences and Spatial Planning: SEK7,918,623.00
2022/10/01 → 2027/09/30

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)
2022/10/01 → 2026/09/30

Capturing Carbon in Perennial Cropping Systems

Ardö, J. (PI)
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

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

Avidsson, 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), Brömark, 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 → ...

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), Buitenhof, R. (PI), Griffiths, P. (Researcher) & Munk, M. (Researcher)
2022/01/01 → 2023/12/31

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