

Open science initiatives in Finland

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https://metsatiede.org/en/frontpage/



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- Quality of science
 - All science must be available to all scientists so that they can build on solid knowledge.
 - Replication of research results is elemental for the advancement of science → open data, open and transparent writing.
- Dissemination of results:
 - most professionals do not have access to current scientific literature,
 - if research is funded with tax-payers' money, why they should pay also for reading it,
 - scientists in many low-income countries do not have access to current scientific literature.

Open access publishing is the first step to open science

- The authors retain copyright to their work.
- The publisher publishes the articles that fulfil its quality criteria free to read, print, copy, redistribute, and modify for everyone.
- No pay-walls are set for reading or re-using the article.
- Normally, the authors agree with the publisher a use license that defines the above terms.
- Unwanted side effects:
 - predatory publishing,
 - scientists in many low-income countries do not have funds to pay article processing charges.

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- Publishing services journal.fi and edition.fi provide a free platform for open access journals and books.
- Finnish state support for science publishing, which requires at least green open access (self-archiving); most free to read and publish.
- Expert-based evaluation of journals (JUFO);
 - recently most journals of publishers MDPI and Frontiers were unclassified.
- Peer-review label, which the publishers may use in their websites and publications as a certificate of the quality of peer-review.
- National Recommendation on Responsible Evaluation of Researchers promotes assessment based on quality of outputs regardless of communication language.

Science in all languages

- Possibility to read science in one's own mother tongue enhances dissemination of research results to stake holders.
- Contributes to cultural diversity in science,
 which opens new view points and new findings and innovations.



- Helsinki Initiative on multilingualism in scholarly communication:
 - supports a sustainable transition to open access of national scholarled non-profit journals,
 - national journals ensure the availability, quality and integrity of research-based knowledge in different languages.

Everyone's right to forest science

Everyone's right is a customary right in Nordic Countries, which ensures open access to forests for all. The right includes e.g., camping, berry picking, and enjoying the nature. In the spirit of this millennial tradition, we in the Finnish Society of Forest Science think that access to forest science should not be restricted by pay-walls but be open to everyone.



Services of the Finnish Society of Forest Science

- Silva Fennica is an international Gold-OA journal of forest sciences.
 - Silva Fennica is PlanS compliant.
 - Article processing charge is 900 € for high-income countries, discount for upper middle-income countries and waivers for low and lower-middle income countries.
 - Readers from *ca.* 170 countries.







- Metsätieteen aikakauskirja is a Diamond-OA journal published in Finnish.
- Dissertationes Forestales opens the Finnish doctoral dissertations to whole world.

Publication archive

- All publications of the Finnish Society of Forest Science since 1913 have been digitised.
- Archives are multilingual, all metadata are in English.
- You can access the digitised archives through the web site of Silva Fennica.
- All archived publications are free to use.



ACTA
FORESTALIA FENNICA

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ARBEITEN

FORSTWISSENSCHAFTLICHEN GESELLSCHAFT

FINNLAND.

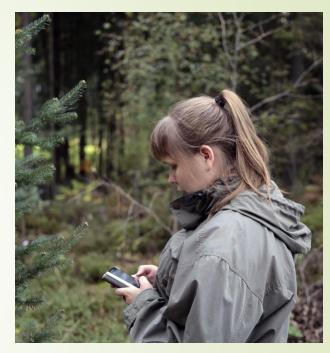


HELSINGFORSIAE 1913.

- Replications are in the heart of the scientific progress and quality control:
 - direct replication,
 - re-analysis of data,
 - conceptual replication.
- Open data enable replications and meaningful meta analyses needed for developing forestry practice.
- Journals of the Finnish Society of Forest Science request that research data and computational codes must be openly available,
 - some exceptions apply e.g., personally sensitive or commercial data,
 - metadata must be unconditionally open, including instructions for requesting access.

Enjoy Everyone's right to forest science

- Electronic publishing has given us the possibility to read scientific articles anywhere
 - e.g., we may use an electronic flora in the field.
- Equitable open access publishing gives these benefits to all: scientists, students, forestry practitioners, public at large.



- Open data improve quality of science through replication and reuse of data in meta analyses or for solving new problems.
- This is the Everyone's right to forest science!

