Metadata form of Silva Fennica

This form is designed for writing the elements of metadata, which are used in the description of research materials such as data and codes. The form is based on the work done in the Work Group "Description of research materials" under the Finnish Open Science Coordination.

Item	Description	Responsible
Name of the data / code	Digital hemispherical photographs and its analysis code used in a research article	Author
Author & ORCID	Zhang, Shaohui (0000-0001-7876-9635); Korhonen, Lauri (0000-0002-9352-0114); Nummenmaa, Timo (0000-0002-9896-0338); Bianchi, Simone (0000-0001-9544-7400); Maltamo, Matti (0000-0002-9904-3371).	Author
Authors' affiliation(s)	University of Eastern Finland (https://ror.org/00cyydd11); Tampere University (https://ror.org/033003e23); Natural Resources Institute Finland (Luke) https://ror.org/02hb7bm88.	Author
Owner of the material	Zhang, Shaohui (0000-0001-7876-9635) ; Korhonen, Lauri (0000-0002-9352-0114).	Author
Publisher	Zenodo	Author
Funder	The Research Council of Finland (https://ror.org/05k73zm37)	Author
Description	Digital hemispherical photographs and self-developed R simulation codes. The images were used in the simulation programme to produce results that were detailed in the research article.	Author
Methods	The digital hemispherical photographs were acquired using a Nikon Coolpix 8800 camera and an FC-E9 fisheye converter. 12 images were acquired at plot level. Image analysis was performed in Hemispherical Project Manager (HSP, https://kosmos.ut.ee/en/services/free-hemispherical-software). Simulation analysis was performed in R using the self-developed codes.	Author
Variables	Digital hemispherical photography (DHP), leaf area index (LAI)	Author
Author keywords	Digital hemispherical photography, leaf area index	Author
Vocabulary keywords (community standard)	Digital hemispherical photography, leaf area index	Author
Discipline	Forest sciences	Archive/Repos itory/Publisher
Type of material	Research data, analytical R code	Author
Language	ENG	Author
Time range covered	2011-06-01 to 2016-08-31	Author
Geographic region	Finland	Author
Version	v 01	Author
File format(s)	.bmp, .r, .NEF	Author
Availability of the materials (open, embargo, registration, limited, registration required)	Open	Author
Justification for access restrictions	Not applicable	Author
Licence	Creative Commons Attribution 4.0 International	Author
Connections with other research materials	Not applicable	Author

Access to the connected research materials	Not applicable	Author
paraware/software	R programme version 4.3.3 under Windows 10 Version 22H2 R can be downloaded via https://www.r-project.org/	Author
	ean be downloaded via https://www.i-project.org/	
Connections to other products of research	https://doi.org/10.14214/sf.24044	Publisher
Personal data	Not applicable	Author
Confidential or secret data	Do not contain confidential or secret information	Author
Publication date		Archive/Repos itory/Publisher
Preservation policy	The record and files are publicly accessible	Author
5		Archive/Repos itory/Publisher