PERSONAL INFORMATION

Juha Pöyry

P.O. Box 140, FI-00251 Helsinki, Finland

+358 295 251534

juha.poyry@ymparisto.fi

http://scholar.google.com/citations?user=bGzkTjsAAAAJ&hl=en,
https://www.researchgate.net/profile/Juha_Poeyry

| Nationality Finnish

PERSONAL STATEMENT

An ecologist with a strong background in biodiversity conservation and climate change biology. Terrestrial insects are the main focal group of research.

WORK EXPERIENCE

01/05/2010 – current

Senior researcher

Finnish Environment Institute (SYKE)

- Management of biodiversity in fragmented landscapes
- Impacts on and adaptation strategies of biodiversity conservation under global change
- Monitoring of insect populations

Research projects: Securing the Conservation of biodiversity across Administrative Levels and spatial, temporal, and Ecological Scales (SCALES), Status and Trends of European Pollinators (STEP), Methodology for Effective Decision-making in Impacts and AdaptaTION (MEDIATION), Climate Information Platform for Copernicus (CLIPC) (EU FP7) and A-La-Carte (Academy of Finland)

09/03/1998 – 01/05/2010

Researcher

Finnish Environment Institute (SYKE)

- Management of biodiversity in fragmented landscapes, particularly agricultural environments
- Impacts on and adaptation strategies of biodiversity conservation under global change

Research projects: Assessing LArge-scale environmental Risks for biodiversity with tested Methods (ALARM), Understanding effects of land use changes on ecosystems to halt loss of biodiversity due to habitat destruction, fragmentation and degradation (COCONUT) (EU FP6), FINADAPT (Finnish Environmental Cluster Research Programme/Ministry of the Environment) and Maintaining biodiversity in traditional rural landscapes - optimal management and area networks (PhD work, Academy of Finland)

1992 – 1996

Research assistant

Metapopulation research group, University of Helsinki

- Coordination of large-scale field surveys of Melitaea cinxia butterfly (1994-96)
- Field assistant in conservation biological research projects, including MSc work

EDUCATION AND TRAINING

2008

PhD (Biology: Ecology and evolutionary biology)

Replace with EQF (or other) level if relevant

University of Helsinki, Department of Biological and Environmental Sciences

- Thesis title: Management of semi-natural grasslands for butterfly and moth communities

1998 **MSc (Biology: Morphologic-Ecological Zoology)**

Replace with EQF (or other) level if relevant

University of Helsinki, Department of Ecology and Systematics

- Thesis title: Täpläverkkoperhosen (*Melitaea cinxia* L.) populaatiorakenteen ja liikkeiden tutkimus merkintä-jälleenpyynti –menetelmän avulla [A study of the population structure and movements of the Glanville fritillary (*Melitaea cinxia* L.) by means of mark-release-recapture method]

PERSONAL SKILLS

Mother tongue(s) Finnish

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	C1	C2
Swedish	B2	C1	A2	A2	B1
German	A1	A2	A1	A1	A1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills Communicational experience gained through frequent conference presentations and organization of large-scale surveys. Experienced being part of various sized teams in national and international projects.

Organisational / managerial skills Organizational skills gained through coordination of large-scale surveys and monitoring projects as well as coordination of research projects.

Job-related skills Special expertize on different approaches and methods in biodiversity field sampling and statistical modelling, including methods that account for phylogenetic and spatial autocorrelation.

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Independent user	Proficient user	Proficient user

Digital competences - Self-assessment grid

ADDITIONAL INFORMATION

Societal impact of research

- Several media releases and oral presentations intended for the general public, conveying the research results and their societal importance to different stakeholders
- Results from the project on management of semi-natural grasslands utilized in the development of the Finnish Agri-environment scheme

Scientific and societal impact of research

In total 77 publications of which 41 peer-reviewed articles in scientific journals, books or conference proceedings, 13 non-refereed abstracts in conference proceedings, 18 publications intended for the professional communities, 3 publications intended for the general public and 2 Theses. Total number of citations = 1827, h-index = 23 (Web of Science 31/8/2017).

Ten selected publications (in alphabetical order)

Clough, Y., Ekroos, J., Báldi, A., Batáry, P., Bommarco, R., Gross, N., Holzschuh, A., Hopfenmüller, S., Knop, E., Kuussaari, M., Lindborg, R., Marini, L., Öckinger, E., Potts, S.G., Pöyry, J., Roberts, S.P.M., Steffan-Dewenter, I. & Smith, H.G. (2014) Density of insect-pollinated grassland plants decreases with increasing surrounding land-use intensity. Ecology Letters, 17, 1168-1177.

Gunton, R.M. & Pöyry, J. (2016) Scale-specific spatial density-dependence in parasitoids: a multi-factor meta-analysis. Functional Ecology, 30, 1501-1510.

Krauss, J., Bommarco, R., Guardiola, M., Heikkinen, R.K., Helm, A., Kuussaari, M., Lindborg, R., Öckinger, E., Pärtel, M., Pino, J., Pöyry, J., Raatikainen, K.M., Sang, A., Stefanescu, C., Teder, T., Zobel, M. & Steffan-Dewenter, I. (2010) Habitat fragmentation causes immediate and time-delayed biodiversity loss at different trophic levels. Ecology Letters, 13, 597-605.

Öckinger, E., Schweiger, O., Crist, T.O., Debinski, D.M., Krauss, J., Kuussaari, M., Petersen, J.D., Pöyry, J., Settele, J., Summerville, K.S. & Bommarco, R. (2010) Life-history traits predict species responses to habitat area and isolation: a cross-continental synthesis. Ecology Letters, 13, 969-979.

Pöyry, J., Luoto, M., Heikkinen, R.K. & Saarinen, K. (2008) Species traits are associated with the quality of bioclimatic models. Global Ecology and Biogeography, 17, 403-414.

Pöyry, J., Luoto, M., Heikkinen, R.K., Kuussaari, M. & Saarinen, K. (2009) Species traits explain recent range shifts of Finnish butterflies. Global Change Biology, 15, 732-743.

Pöyry, J., Leinonen, R., Söderman, G., Nieminen, M., Heikkinen, R.K. & Carter, T.R. (2011) Climate-induced increase of moth multivoltinism in boreal regions. Global Ecology and Biogeography, 20, 289-298.

Pöyry, J., Böttcher, K., Fronzek, S., Gobron, N., Metsämäki, S., Leinonen, R. & Virkkala, R. (2017) Comparing remotely-sensed and temperature-derived measures in modelling phenology of herbivorous insects. Remote Sensing in Ecology and Conservation, doi:10.1002/rse2.56.

Pöyry, J., Carvalheiro, L.G., Heikkinen, R.K., Kühn, I., Kuussaari, M., Schweiger, O., Valtonen, A., van Bodegom, P.M. & Franzén, M. (2017) The effects of soil eutrophication propagate to higher trophic levels. Global Ecology and Biogeography, 26, 18-30.

Valtonen, A., Leinonen, R., Pöyry, J., Roininen, H., Tuomela, J. & Ayres, M.P. (2014) Is climate warming more consequential towards poles? The phenology of Lepidoptera in Finland. Global Change Biology, 20, 16-27.

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