





Evaluation of environmental protection measures – do they have the intended effect?

Evaluation of pressures from human activities – how do they affect the environment?

Mandatory criteria

The topic should:

- deal with conditions in the natural environment
- be well-defined, conceptually clear and reasonably limited in scope,
- deal with problem descriptions or countermeasures whose scientific support is insufficiently known (or questioned),
- be covered in the scientific literature (or by other investigations) to such an extent that a systematic assessment can be implemented.

The answers should have clearly defined recipients able to put them into practice or to benefit from them in other way.



KEMSwedish Chemicals Agency







Swedish Agency for Marine and Water Management





Swedish Board of Agriculture

















The Swedish Research Council Formas

Committed to excellence in research for sustainable development



Swedish Society for Nature Conservation



Swedish Institute for the Marine Environment







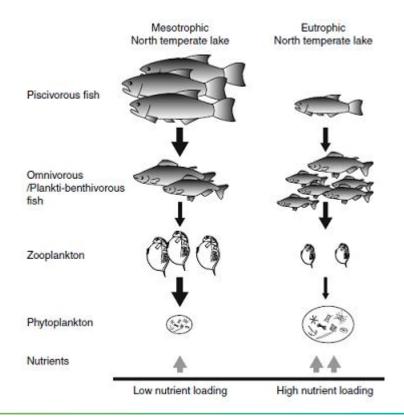
Swedish Agency for Marine and Water Management

Zero Eutrophication



SWEDISH AGENCY FOR MARINE AND WATER MANAGEMENT

Can biomanipulation improve water quality in eutrophicated lakes?





SR3.Can biomanipulation improve water quality in eutrophicated lakes?

Chair. Per Larsson Linné University

Stephen R. Carpenter, USA Anna Gårdmark, Sweden Lennart Persson, Sweden Christian Skov, Denmark Ellen Van Donk, Netherlands

EviEM: Claes Bernes

Comments from stakeholders;

- meeting
- draft protocol at the net







HOW WE WORK

NEWS

ABOUT US

PROJECTS

Managing protected forests

Phase-out of PFAS chemicals

Soil organic carbon stocks

Fish removal in eutrophic lakes

Wetlands as nutrient traps

Reindeer grazing

Can biomanipulation improve water quality in eutrophicated lakes?



Fishing in Lake Finjasjön. Photo: Johan Forssblad.

Reducing the populations of roach and bream in a eutrophicated lake can be a way of curbing algal blooms and similar problems. The method has been tried in many parts of the world, often with good results, but in Sweden it is still uncommon. EviEM now plans to assess how useful it is.

Project status

Planning Review Systematic review Review Approval of project of protocol conducted of report and publication







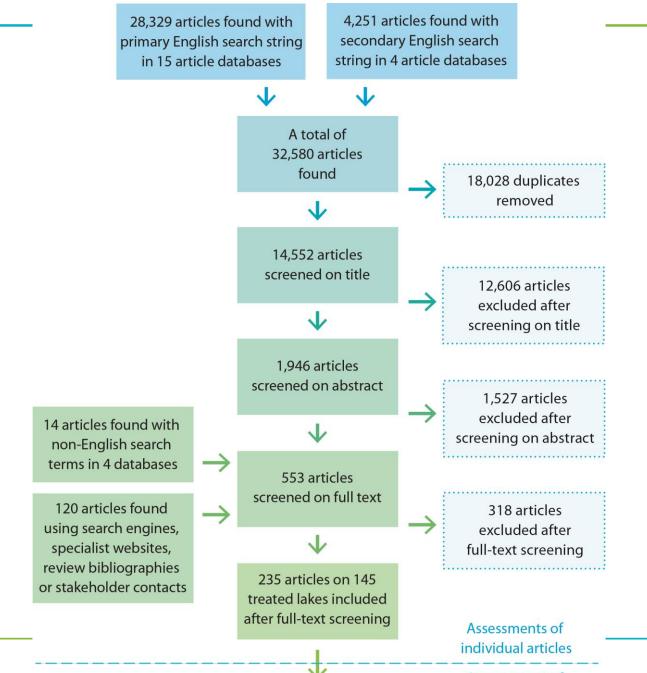




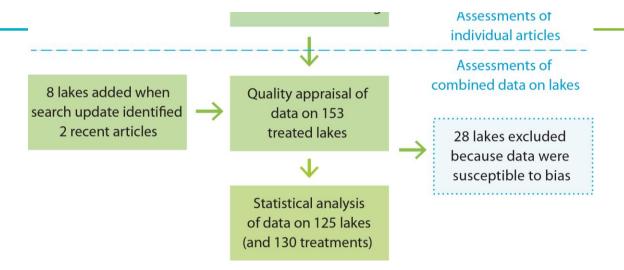
















— What is a systematic review?

The idea: To provide the best possible scientific basis for some kind of activity (healthcare, education, environmental management etc.)

Well-defined topics

Narrow issues, but possible to provide specific answers

Literature review

Based on existing studies (articles, grey literature but also unpublished data) Focused on observations (rather than model studies, interpretations etc.)

Rigour

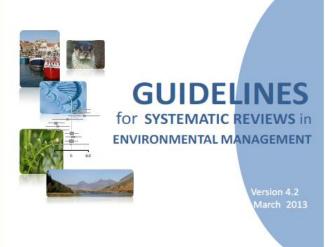
Meticulous planning, documented in a detailed review protocol Thorough and systematic searches for data Aggregation and weighing of data from many different studies This is time-consuming!

Transparency

Comments invited from stakeholders both before and after the evaluation Detailed documentation of all assessments and decisions made during the review









The Cochrane Collaboration

Working together to provide the best evidence for health care

Compiled on behalf of CEE by

Centre for Evidence-Based Conservation Bangor University, UK



... preparing, maintaining and disseminating systematic reviews in education, crime and justice, social welfare and international development



International cooperation





The CEE is an international network of scientists and environmental managers working towards the conservation of biodiversity and a sustainable environment by promoting systematic reviews of environmental issues.







The Collaboration for Environmental Evidence's Johannesburg Centre – CEE Johannesburg







We work for environmental management to be placed on a scientific foundation. Through systematic reviews of various environmental issues, we aim to improve the basis for decisions in Swedish environmental policy.



EviEM Executive Committee



The Secretariat



Financed by the Swedish Foundation for Strategic Environmental Research 2012-2016



Ongoing EviEM systematic reviews



SR1. How is mountain vegetation affected by reindeer grazing?



SR2. How effective are wetlands for nitrogen and phosphorus removal?

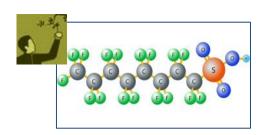


SR3.Can biomanipulation improve water quality in eutrophicated lakes?



SR4. How do different farming methods affect the organic carbon content of arable soils?

Planning of project Review of protocol Systematic review conducted Review of report Approval and publication



SR5.Have the phase-outs of PFASs affected concentrations in the environment?



SR6.How is biodiversity influenced by active management of protected forests?



Timonen et al., 2011



CEE review 09-020

ARE WOODLAND KEY HABITATS BIODIVERSITY HOTSPOTS IN BOREAL FORESTS?

Systematic Review

TIMONEN, J., GUSTAFSSON, L., KOTIAHO, J.S. & MÖNKKÖNEN, M.

Department of Biological and Environmental Science - P.O.Box 35, FI-40014 - University of Jyväskylä - Finland

Are woodland key habitats more diverse than production forests?

NEWS | 2012-06-03

Four scientists from Sweden and Finland have recently conducted a systematic review of woodland key habitats. Their results confirm that such biotopes are usually more species-rich than ordinary production forests.

Correspondence Telephone:

Draft protocol pui published on webs

Cite as: Timonen biodiversity hotsp Evidence: www.e



Deciduous swamp woods of this kind count as key habitats since they often contain red-listed species, Photo: Claes Bernes.

In Swedish forests, more than 80,000 woodland key habitats (WKHs) have been identified to date. These consist of small woodland areas where redlisted species are, or could be, found. WKHs may, for example, be patches of forest with a high proportion of old trees, fallen timber and dead wood: such areas are thought to contain more red-listed species than are normally found in areas of large-scale forestry. The term 'woodland key habitats' is used in Norway, Finland, the Baltic countries and Russia as well, although the definition may not be precisely the same as in Sweden.

PS3 PILOT STUDY

2018



Is thiamine deficiency a significant cause of declining bird populations in the Baltic Sea area?

Do Săcarairâm







Thank you!

www.eviem.se

