Plan Overview

A Data Management Plan created using DMPonline

Title: BIOTICHS

Creator: Thomas Hofman

Principal Investigator: Thomas Hofman, Roelof Zwaan

Data Manager: Thomas Hofman, Roelof Zwaan

Contributor: Niels Schoffelen, Jaap Slootweg, Job Spijker

Affiliation: National Institute for Public Health and the Environment (RIVM)

Template: RIVM template data management plan 2022-12-22

Project abstract:

Increase knowledge and operational approaches for the transition to a sustainable living environment, restoration of nature and biodiversity and sustainable use of ecosystem services.

We want to: 1) characterize and analyze the causes of loss of biodiversity and ecosystem services by developing innovative diagnostic methods, 2) map the values of nature, biodiversity and ecosystem services and 3) include them in an assessment framework for sustainable, nature-inclusive land use. We pay specific attention to diagnostic approaches, soil biodiversity and its provision of ecosystem services to support sustainable land use, operational decision frameworks and practical testing, with a focus not only on pressure-response relationships for nature but also the potential to characterize possible relationships between biodiversity and human health.

ID: 138680

Start date: 01-11-2023

End date: 31-10-2027

Last modified: 19-02-2024

Copyright information:

The above plan creator(s) have agreed that others may use as much of the text of this plan as they would like in their own plans, and customise it as necessary. You do not need to credit the creator(s) as the source of the language used, but using any of the plan's text does not imply that the creator(s) endorse, or have any relationship to, your project or proposal

BIOTICHS - Admin

General information

1.1 Title of the project

SPR Biotichs data management plan

1.2 Short summary of the data collection

SPR Biotichs increases knowledge and operational approaches for the transition to a sustainable living environment, restoration of nature and biodiversity and sustainable use of ecosystem services.
We **collect** data for the data lake on organisms (terrestrial, aquatic and subterranean), environmental pressure factors, toxins, soil ecosystem services. This data is **converted** to a uniform spatiotemporal scale. The data is subsequently **combined** highlighting data gaps where data points are missing. **Improving** the data using machine learning techniques will fill these data gaps. Allowing for **analysis** of the data. Final data products are in accordance with the FAIR principles.

1.3 What is the aim of the data?

Combining this data will allow for regional assessment of effects of environmental pressure factors on biodiversity and the effect this biodiversity has on ecosystem services.

1.4 Keywords

Biodiversity, toxicology, ecosystem services, soil, machine learning, IRODS

Contact

2.1 Name

Niels Schoffelen; Thomas Hofman; Roelof Zwaan; Job Spijker; Jaap Slootweg

2.2 Email address

niels.schoffelen@rivm.nl; thomas.hofman@rivm.nl; roelof.zwaan@rivm.nl; job.spijker@rivm.nl

2.3 Centre involved

DMG, MIL

Project plan

3.1 Reference to the project plan

see SPR Biotichs project plan

3.2 Location of the project plan

SPR Biotichs project folders teams

Contributor(s) and reviewer(s) of DMP

4.1 Author(s) of the DMP

Schoffelen, N; Hofman, T; Zwaan, R; Spijker, J.

4.2 Name of data management support staff consulted during the preparation of this plan and date of consultation with support staff.

Groot, N.