

VU Research Portal

Integrated observations of greenhouse gas budgets at the ecosystem level

Hendriks, D.M.D.

2009

document version

Publisher's PDF, also known as Version of record

[Link to publication in VU Research Portal](#)

citation for published version (APA)

Hendriks, D. M. D. (2009). *Integrated observations of greenhouse gas budgets at the ecosystem level: changing environment and management practices in peat meadows*. Vrije Universiteit.

General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal ?

Take down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

E-mail address:

vuresearchportal.ub@vu.nl

**Geïntegreerde observaties van broeikasgasbudgetten
op ecosysteemschaal**
veranderend landgebruik, milieu en klimaat in veenweidegebied

Dimmie Hendriks

Cover design by D.M.D. Hendriks. Front: satellite image of the Horstermeerpolder and the surrounding area from Google Earth; Back: photographs from fieldwork activities at the Horstermeer research site by D.M.D. Hendriks.

Integrated observations of greenhouse gas budgets at the ecosystem level.

Changing environment and management practices in peat meadows.

(PhD thesis, Vrije Universiteit Amsterdam)

In Dutch: Geïntegreerde observaties van broeikasgasbudgetten op ecosysteemschaal.

Veranderend landgebruik, milieu en klimaat in veenweidegebieden.

(Academisch proefschrift, Vrije Universiteit Amsterdam)

© D. M.D. Hendriks

This research was funded by the Dutch research program 'Climate changes Spatial Planning' (www.klimaatvoorruimte.nl) and the CarboEurope-IP program (www.carboeurope.org).

ISBN 978 90 8659 380 4

Subject headings:

Peat meadow/carbon dioxide/methane/nitrous oxide/gas flux measurement techniques/land management/hydrology/vegetation/climate change

VRIJE UNIVERSITEIT

Integrated observations of greenhouse gas budgets at the ecosystem level
changing environment and management practices in peat meadows

ACADEMISCH PROEFSCHRIFT

ter verkrijging van de graad Doctor aan
de Vrije Universiteit Amsterdam,
op gezag van de rector magnificus
prof.dr. L.M. Bouter,
in het openbaar te verdedigen
ten overstaan van de promotiecommissie
van de faculteit der Aard- en Levenswetenschappen
op donderdag 15 oktober 2009 om 13.45 uur
in de aula van de Universiteit,
De Boelelaan 1105

door

Dimmie Miep Doortje Hendriks

geboren te Leiderdorp

promotor: prof.dr. A.J. Dolman
copromotor: dr. J. van Huissteden

thesis committee:

prof.dr. R. Aerts
prof.dr. D.D. Baldocchi
dr. M. Drösler
prof.dr. J.W. Erisman
dr. K. Klumpp
dr. E.M. Veenendaal