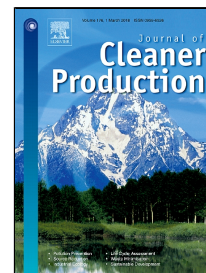


Accepted Manuscript

Marginal abatement cost curves for agricultural climate policy: state-of-the art, lessons learnt and future potential



Vera Eory, Sylvain Pellerin, Gema Carmona Garcia, Heikki Lehtonen, Ieva Licite, Hanna Mattila, Thøger Lund-Sørensen, John Muldowney, Dina Popluga, Lisbeth Strandmark, Rogier Schulte

PII: S0959-6526(18)30283-X
DOI: 10.1016/j.jclepro.2018.01.252
Reference: JCLP 11932
To appear in: *Journal of Cleaner Production*
Received Date: 10 August 2017
Revised Date: 27 January 2018
Accepted Date: 30 January 2018

Please cite this article as: Vera Eory, Sylvain Pellerin, Gema Carmona Garcia, Heikki Lehtonen, Ieva Licite, Hanna Mattila, Thøger Lund-Sørensen, John Muldowney, Dina Popluga, Lisbeth Strandmark, Rogier Schulte, Marginal abatement cost curves for agricultural climate policy: state-of-the art, lessons learnt and future potential, *Journal of Cleaner Production* (2018), doi: 10.1016/j.jclepro.2018.01.252

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Word count: 11,837

Marginal abatement cost curves for agricultural climate policy: state-of-the-art, lessons learnt and future potential

Vera Eory^{a,*}, Sylvain Pellerin^b, Gema Carmona Garcia^c, Heikki Lehtonen^d, Ieva Licite^e, Hanna Mattila^f, Thøger Lund-Sørensen^g, John Muldowney^h, Dina Poplugaⁱ, Lisbeth Strandmarkⁱ, Rogier Schulte^k

^a Land Economy, Environment & Society, Scotland's Rural College (SRUC), Peter Wilson Building, King's Buildings, West Mains Road, Edinburgh EH9 3JG, UK

^b INRA, Bordeaux Sciences Agro, Univ. Bordeaux, 33882, Villenave d'Ornon, France

^c European Commission, Joint Research Centre (JRC), Directorate for Sustainable Resources. Via Enrico Fermi 2749, I - 21027 Ispra (VA), Italy

^d Natural Resources Institute Finland (Luke), Economics and Society, Latokartanonkaari 9, FI-00790 Helsinki, Finland

^e Ministry of Agriculture of Latvia, Republikas Laukums 2, Centra rajons, Rīga, LV-1010, Latvia

^f Finnish Innovation Fund, SITRA, Itämerenkatu 11-13, PO Box 160, FI-00181, Helsinki, Finland

^g Danish Ministry of Energy, Utilities and Climate, Stormgade 2-6, DK-1470, Copenhagen, Denmark

^h Department of Agriculture, Food and the Marine, Agriculture House, Kildare St, Dublin, Ireland

ⁱ Latvia University of Agriculture, Liela street 2, Jelgava, LV-3001, Latvia

^j Danish Ministry of Energy, Utilities and Climate, Stormgade 2-6, DK-1470, Copenhagen, Denmark

^k Farming Systems Ecology Group, Wageningen University and Research, PO Box 430, 6700AK, Wageningen, The Netherlands

* Corresponding author. E-mail address: vera.eory@sruc.ac.uk, telephone: +44 131 535 4313

Highlights

- MACCs can catalyse changes in policies and inventory accounting
- This paper reviews the development of national agricultural GHG MACCs
- The choice of MACC methodology may impact on policy outcomes
- We propose harmonised guidelines for the development of MACCs
- Policy packages targeting farmers, supply chain and consumers are being developed

Abbreviations¹

Abstract

Combatting climate change has risen to the top of the international policy discourse. Effective governance necessitates the generation of concise information on the costs-

¹ CAP: Common Agricultural Policy, FADN: Farm Accountancy Data Network, IPCC-NI: Intergovernmental panel on Climate Change guidelines for national GHG inventories, LCA: Life

Download English Version:

<https://daneshyari.com/en/article/8097418>

Download Persian Version:

<https://daneshyari.com/article/8097418>

[Daneshyari.com](https://daneshyari.com)