

## Carbon - a GROWING issue

WHO - should be interested?

*Everyone*

A new report aims to engage all sectors of society - **consumers, farmers, scientists, politicians, journalists** - because the farming sector may offer a promising opportunity to help mitigate climate change and this warrants further discussion of how to calculate its carbon footprint so that its contribution to food production world wide can be assessed in a proper perspective.

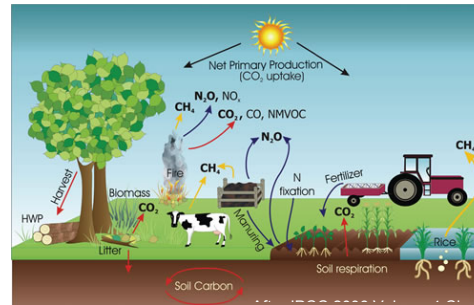


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WHY - an 80% cut in emissions is on the horizon

Scottish Government proposed in June 2007 a target for reduction of greenhouse gas emissions of 80% by 2050.

Could you cut your emissions by 80%?



The main greenhouse gas sources and removals from the atmosphere in managed agricultural ecosystems (After IPCC 2006 Volume 4 Chapter 1)

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WHEN - NOW

Without an agreed method for measuring agricultural GHG exchange, there is a risk that agricultural mitigation effort will be misdirected and/or be unnecessarily costly for both individual farmers and Scotland as a whole - and reduce the engagement of the farming community so reducing its effectiveness.

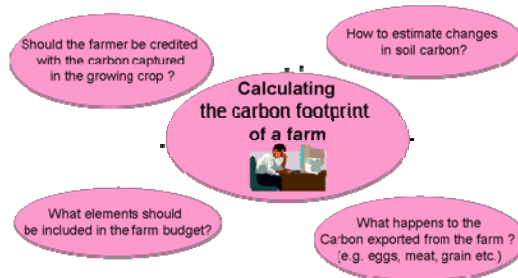
So **NOW** is the time to influence the debate



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### WHAT - are the main issues?

The main issues to be discussed when developing calculations for the carbon footprint of a farm are **what should be included** and should the farmer be **allowed to offset** the emission of greenhouse gasses with the (i) cyclic carbon in grains, grass, trees etc and (ii) the carbon locked in farm produce and exported from the farm, and of how **to deal with the change in soil carbon?**



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### Where - to find out more

A group of Scottish scientists have written a discussion document which aims to inform by presenting the issues in clear simple terms while giving sufficient scientific detail for the reader to fully understand the arguments put forward and allow them to form their own opinions of the way forward

Go to  
[www.nfus.org.uk](http://www.nfus.org.uk)



## Calculating farm scale greenhouse gas emissions

Jan Dick<sup>1</sup>, Pete Smith<sup>2</sup>, Ron Smith<sup>1</sup>, Allan Lilly<sup>3</sup>, Andrew Moxey<sup>4</sup>, Jim Booth<sup>5</sup>, Colin Campbell<sup>3</sup>, Drew Coulter<sup>1</sup>

