



## Assessment of soil carbon prior to project planting for Section 3.2 Carbon Baseline

Version 1

21<sup>st</sup> July 2011

### Projects should:

- 1) Identify which country and previous land use category (seminatural, pasture or arable) are most relevant to the project.
- 2) Use the table below to show the estimated soil carbon at the start of the project.

### Soil Carbon (tCO<sub>2</sub>/ha) for various landuse types across the UK

(Adapted from Bradley et al 2005, Table 6)

UNITS = tonne CO <sub>2</sub> e/ha			Landuse			
	Depth		Seminatural	Pasture	Arable	Woodland
<b>England</b>	0–30	cm	440	293	257	367
	30–100	cm	623	183	183	257
	<b>0–100</b>	<b>cm</b>	<b>1063</b>	<b>477</b>	<b>440</b>	<b>623</b>
<b>Scotland</b>	0–30	cm	587	587	440	623
	30–100	cm	623	257	147	623
	<b>0–100</b>	<b>cm</b>	<b>1210</b>	<b>843</b>	<b>550</b>	<b>1210</b>
<b>Wales</b>	0–30	cm	403	330	257	440
	30–100	cm	440	183	147	293
	<b>0–100</b>	<b>cm</b>	<b>843</b>	<b>513</b>	<b>403</b>	<b>733</b>
<b>NI</b>	0–30	cm	697	477	367	660
	30–100	cm	733	293	183	697
	<b>0–100</b>	<b>cm</b>	<b>1430</b>	<b>770</b>	<b>550</b>	<b>1357</b>

**Note:** **Seminatural** includes seminatural vegetation and grassland that receives no management

**Pasture** includes permanent managed grassland

**Arable** includes arable and rotational grassland

**Woodland** includes broadleaved and conifer woodland