

### Minutes of CCC Meeting - 13/11/09

Present were Adair Turner, Jim Skea, Julia King, Sam Fankhauser, Robert May, Michael Grubb, John Krebs, David Kennedy

#### **1. Review of UK aviation emissions**

The Committee considered the first 6 chapters of the aviation report: overview; demand and emission reference projections; scope for emissions reduction through modal shift and use of communications technologies (e.g. videoconferencing); scope for fleet efficiency improvement; scope for use of aviation biofuels; aviation non-CO<sub>2</sub> effects.

The Committee requested that the approach to scenarios and sensitivities should be set out in Chapter 1 of the report, with a clear definition of the three scenarios used in subsequent chapters.

The Committee agreed the range of reference demand projections presented in the report.

The Committee agreed the range for demand reduction from modal shift, which has the potential to substitute for domestic aviation and some short haul aviation.

The Committee agreed the range for demand reduction from videoconferencing to substitute business travel, noting that this was consistent with the emerging literature and current best practice.

The Committee agreed the range for fleet efficiency improvement, noting that this is consistent with a wide range of studies and the Secretariat's bottom up analysis.

The Committee agreed the wording on the range for biofuels: it is prudent to plan for low levels of biofuels penetration (e.g. 10% in 2050) although higher levels should not be ruled out contingent upon technological breakthroughs (e.g. algae, growth of crops in deserts using solar power and desalinated water)

The Committee agreed the drafting approach to non-CO<sub>2</sub> effects: these are not included in the international or UK frameworks; they are likely to be important and likely to be included in future; the implications of inclusion are unclear, although this would probably require more emissions reduction effort within aviation.

#### **2. AOB**

The Committee acknowledged receipt of the quarterly performance highlights report for the period Jul1st to October 31<sup>st</sup> 2009