

**Title: Uncertainties and Priorities in Greenhouse Gas Inventories**

**Speaker: William N. Irving**

**Institute: US Environmental Protection**

**Session I: Introduction and keynote presentations**

**Abstract:**

This presentation will provide a policy-maker's perspective on national greenhouse gas inventories and facility level reporting of greenhouse gas emissions. For national greenhouse gas inventories the presentation will cover compilation methods, international standards for reporting and review through the Intergovernmental Panel on Climate Change (IPCC) National Greenhouse Gas Inventory Programme, and the United Nations Framework Convention on Climate Change (UNFCCC), and it will discuss uncertainty assessment and priority areas for improvement, with a particular focus on methane, and carbon fluxes in the land sector. It will also discuss how inventories are used for setting national goals and for informing international climate change agreements. The presentation will also present information on the US facility-level greenhouse gas reporting programs, which covers approximately 8000 individual facilities representing approximately 80% of total US greenhouse gas emissions. It will focus on the methodological approaches, verification results, data publication, use of data in the national inventory, and use for policy making. The presentation will conclude with some suggestions for how inventory compilers and the research community can work together to improve the overall quality of greenhouse gas inventories and facility-level data.