



InGOS - a FP7 Infrastructure project for non-CO₂ greenhouse gas Observations

A. T. Vermeulen, A. Hensen, and A. Bleeker

Netherlands Energy Research Foundation, Clean Fossil Fuels - Air Quality, Petten, Netherlands (a.vermeulen@ecn.nl, 31 224 568488)

InGOS is an EU funded IA (Integrating Activities) project targeted at improving and extending the European observation capacity for non-CO₂ greenhouse gases. The project will run from October 2011 to September 2015. InGOS is coordinated by ECN and involves 34 partners from 15 countries.

There is a big need to support and integrate the observing capacity of Europe on non-CO₂ greenhouse gases. The emissions of these gases are very uncertain and it is unknown how future climate change will feedback into these (mainly land use coupled) emissions. The InGOS infrastructure project will work on standardizing the measurements, strengthen the existing observation sites into supersites, capacity building in new member states, and prepare for integration of the network with other networks already in place or currently being set up (e.g. ICOS). Attribution of source categories by using advanced isotope techniques and data-assimilation methods using high resolution transport model will be an integral part of the network to allow design and evaluation of the measurements and will link the network to remote sensing data and bottom up inventory developments.