

# Verification of Compliance with GHG Emission Targets: Annex I Countries

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## **Abstract**

This study addresses the application of the preparatory detection of uncertain greenhouse gas (GHG) emission changes (also termed emission signals) under the Kyoto Protocol. It is a necessary measure that must be taken prior to/in negotiating the Protocol. Uncertainties are already monitored and are increasingly made available but monitored emissions and uncertainties are still dealt with in isolation. A connection between emission and uncertainty estimates for the purpose of an advanced country evaluation is examined in the present study. The purpose of the study is to advance the monitoring of the GHG emissions reported by the Annex I countries.

## **Key words:**

climate change, GHG inventory, uncertainty, verification, undershooting