



GIZ Project: Sensitisation for sustainable biomass production and use in Ukraine

Workshop "Measuring and Managing Greenhouse Gas Emissions in Agriculture – from the biofuels to the food industry"

Kiev – 25 October 2012

Workshop Report

On 25 October 2012 GIZ in conjunction with the Institute for Economic Research and Policy Consulting (IER) held a workshop on greenhouse gas accounting for agricultural production. About 50 stakeholders from the business sector, government and other institutions discussed methodologies for greenhouse gas accounting and approaches in the public and private sector certification in Ukraine.

In the workshop participants learned about

- ⇒ the international context and initiatives for greenhouse gas accounting and mitigation in agricultural value chains;
- ⇒ greenhouse gas accounting requirements of the European Union bioenergy regulation and accounting methodologies;
- ⇒ greenhouse gases management practices and the potential benefits for agricultural management practices;
- ⇒ greenhouse gas calculation for biofuel feedstocks by using the RSB Greenhouse Gas Calculator.

Accounting and managing greenhouse gases is a major concern in the public arena but also for the private sector. It is driven by the aim to reduce the impact of climate change and to increase efficiencies in production processes. Greenhouse gases can be calculated on several levels: the national or industry level as well as the project level (e.g. under the Kyoto Protocol/CDM/JI mechanisms), at organisational level (e.g. for corporate reporting initiatives) or at product level (so-called "product carbon footprint"). While there are many voluntary initiatives to account and manage greenhouse gas emissions, there are also legal requirements: The EU Renewable Energies Directive (RED) introduces greenhouse gas reduction targets for biomass that is used to produce liquid biofuels (product level accounting). Producers in Ukraine who want to bring feedstock on the EU bioenergy market need to comply with the GHG reduction criteria. In a presentation by Stefan Majer from the German Biomass Research Centre, participants learned about the EU GHG targets in the Renewable Energies Directive, how they are estimated and how GHG intensive different feedstock can be. The Roundtable on Sustainable Biofuels delivered a short training via video-conference on their online greenhouse-gas calculator. This calculator was developed for biofuels feedstock and is an open access tool (<http://rsb.f2.htw-berlin.de/>).

Emma Keller from Unilever UK and Olexandra Zhygalova from Danone Ukraine presented a corporate view on the relevance of GHG accounting in their operations. Unilever, together with the Sustainable Food Lab has developed the "Cool Farm Tool" which allows farmers to calculate and manage the carbon intensity of their production. The tool is freely available (<http://www.coolfarmtool.org/>). Danone is working on the introduction of GHG measurement and management in their entire operations. The company has set an ambitious corporate target of reducing their carbon footprint by 30%. Danone's Local branch in Ukraine (Danone-Dnipro) has important achievements in terms of energy efficiency improvements and GHG reductions. In particular, it reduced CO₂ emissions almost by 10% in 2010 compared to 2009 due to serious investments into energy monitoring system, gas boilers efficiency through fuel combustion, utilization of compressors caloric energy for heating premises, reduction of production losses, etc.

Volodymyr Kramar from the Scientific Engineering Centre "Biomass" presented their work on carbon accounting under the Kyoto Protocol and JI mechanism. He focussed on bioenergy projects that can be used to generate carbon credits and clarified Ukraine's role and potential in the international and European carbon markets.

In conclusion, participants widely agreed that greenhouse gas accounting is highly relevant for Ukraine but that there are several challenges as to the data availability and available calculation methodologies.

The workshop is part of the GIZ funded project "Sensitisation for sustainable biomass production and trade in Ukraine". All workshop presentations can be downloaded from the project website http://www.ier.com.ua/en/biomass_project/. For updated information on our activities please visit the website or contact the project team:

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