

Draft agenda

Subregional workshop on the GAINS model

International Institute for Applied Systems Analysis (IIASA)

Laxenburg, Austria

15-19 October 2018

The GAINS (Greenhouse Gas – Air Pollution Interactions and Synergies) model was used to support the negotiations for the revision of the Gothenburg Protocol under the Convention. The GAINS model explores cost-effective emission control strategies that simultaneously tackle local air quality and greenhouse gases so as to maximize benefits at all scales. It is a tool to assess emission reduction potentials in different countries and regions. It can simulate costs, health and ecosystems benefits of different emission control measures, analyse cost-effectiveness of measures to achieve user-defined policy targets and assess costs and benefits to maximize the benefits of policy interventions. EECCA countries have expressed a need to gain a deeper understanding of the GAINS model. Enhancing the understanding of national experts about the GAINS model will thus help them in setting their emission reduction targets for 2020 and beyond, which is a necessary step in the ratification process of the Protocol to Abate Acidification, Eutrophication and Ground-level Ozone (Gothenburg Protocol).

Therefore, the UNECE secretariat to the Convention on Long-range Transboundary Air Pollution, together with the International Institute for Applied Systems Analysis (IIASA) will organize a 5-day sub-regional workshop for experts from EECCA countries to improve their understanding of the GAINS model. The modelling will help them in developing emission projections and setting their emission reduction targets for 2020 and beyond, which is a necessary step in the ratification process for the Gothenburg Protocol.

The workshop will focus on hands-on training sessions. GAINS model experts will assist country experts to work with their country data. The aim of the workshop is to improve capacity for scenario development, including emission projections and reduction targets, with the help of the GAINS model in EECCA countries.

Monday, 15 October 2018

14:00	Welcome, purpose of the workshop and introductions	
14:30	GAINS methodology – an overview	
15:15	Activities, sectors and control technologies in GAINS	
16:00	Coffee break	
16:15	Emissions calculations: emission factors, control strategies, structure of emission scenarios	
17:00	Questions and answers	

Tuesday, 16 October 2018

9:30	Consistency checks for emission inventories	
10:30	Cost calculations and emission reductions	
11:15	Coffee break	
11:30	GAINS online: presentation and hands-on training with national datasets	

	<ol style="list-style-type: none"> 1. Displaying and analysis of input data and results, import to Excel spreadsheets 2. Download and modification of input data to the model 3. Scenario design tools, creation of scenarios with users' ownership 	
12:30	Lunch	
14:00	Continuation of hands-on training (incl. coffee break)	
17:00	Group discussion: frequently asked questions	

Wednesday, 17 October 2018

9:30	Impact assessment – methodology, data sources and indicators	
10:15	GAINS online impact module: presentation and hands-on training (incl. coffee break)	
12:30	Lunch	
14:00	Cost-effectiveness analysis - methodology	
14:45	Continuation of hands-on training (incl. coffee break)	
17:15	Open questions	

Thursday, 18 October 2018

9:30	Toolbox for assessment of mitigation efforts	
10:15	Continuation of hands-on training (incl. coffee break)	
12:30	Lunch	
14:00	Recent model results and policy applications	
14:45	Continuation of hands-on training (incl. coffee break)	
17:15	Open questions	

Friday, 19 October 2018

9:30	Continuation of hands-on training (incl. coffee break)	
12:00	Conclusions, recommendations and closure	