



Subregional workshop on Greenhouse Gas Air Pollution Interactions and Synergies (GAINS) model for EECCA countries

6-10 November 2023, Laxenburg, Austria

Time	Activity/topic	Experts
Monday, 6 November 2023		
14:00 – 14:45	<ul style="list-style-type: none"> • Welcome, purpose of the workshop and introductions. <ul style="list-style-type: none"> o <i>What is GAINS model</i> o <i>Use of national data and submissions to CEIP in GAINS</i> 	Zbigniew Klimont /IIASA/ECE/PM
14:45 – 15:30	<ul style="list-style-type: none"> • Short presentations by country representatives: Assessment of air pollutant emissions covered by the Gothenburg Protocol and problems with data availability (10-15 minutes each country) <i>Status of inventory development, availability of projections, use of models, availability of monitoring data, etc.</i> 	Country representatives
15:30 – 16:00	Coffee break	
16:00 – 17:30	<ul style="list-style-type: none"> • Module 1: Learning the toolbox <ul style="list-style-type: none"> - What is a scenario and its main elements in GAINS? - What are the fundamental principles governing emission calculation in GAINS? - Interactions with the model (introduction and hands-on training): <ul style="list-style-type: none"> o Basic and Advanced mode o Viewing, downloading, uploading data (templates) o Emission vector 	Robert Sander

Tuesday, 7 November 2023		
9:30 – 11:00	<ul style="list-style-type: none"> • Module 2: Understanding data in GAINS and exchange with the model o Power plants and Industry o <i>Hands-on session</i> 	Peter Rafaj Shaohui Zhang
11:00 - 11:15	Coffee break	
11:15 – 12:30	<ul style="list-style-type: none"> • Module 2: Understanding data in GAINS and exchange with the model o Power plants and Industry o <i>Hands-on session</i> 	Peter Rafaj Shaohui Zhang
12:30 – 14:00	Lunch	
14:00 – 15:30	<ul style="list-style-type: none"> • Module 2: Understanding data in GAINS and exchange with the model o Residential combustion sector o <i>Hands-on session</i> 	Pallav Purohit
15:30 – 15:45	Coffee break	
15:45 – 17:30	<ul style="list-style-type: none"> • Module 2: Understanding data in GAINS and exchange with the model o Waste and macroeconomic drivers o <i>Hands-on session</i> 	Adriana Gomez-Sanabria

Wednesday, 8 November 2023		
9:30 – 11:00	<ul style="list-style-type: none"> • Module 2: Understanding data in GAINS and exchange with the model o Transport sector o <i>Hands-on session</i> 	Jessica Slater
11:00 - 11:15	Coffee break	
11:15 – 12:30	<ul style="list-style-type: none"> • Module 2: Understanding data in GAINS and exchange with the model o Transport sector o <i>Hands-on session</i> 	Jessica Slater Peter Rafaj
12:30 – 14:00	Lunch	
14:00 – 15:30	<ul style="list-style-type: none"> • Module 2: Understanding data in GAINS and exchange with the model o Agriculture o <i>Hands-on session</i> 	Katrin <u>Kaltenegger</u>
15:30 – 15:45	Coffee break	
15:45 – 17:30	<ul style="list-style-type: none"> • Module 2: Understanding data in GAINS and exchange with the model o Volatile organic compounds (VOCs) o <i>Hands-on session</i> 	Younha Kim

Thursday, 9 November 2023		
9:30 – 11:00	<ul style="list-style-type: none"> • Module 3: Simulation and impact assessment of emission control scenarios o Air quality and impacts (health, ecosystems) o <i>GAINS online impact module</i> 	Gregor Kiesewetter
11:00 - 11:15	Coffee break	
11:15 – 12:30	<ul style="list-style-type: none"> • Module 3: Simulation and impact assessment of emission control scenarios o Air quality and impacts (health, ecosystems) o <i>Hands-on session</i> 	Gregor Kiesewetter Wolfgang Schöpp
12:30 – 14:00	Lunch	
14:00 – 15:30	<ul style="list-style-type: none"> • Module 3: Simulation and impact assessment of emission control scenarios o Cost-effectiveness analysis o <i>Hands-on session</i> 	Fabian Wagner Wolfgang Schöpp
15:30 – 15:45	• Coffee break	
15:45 – 17:30	<ul style="list-style-type: none"> • Module 4: Data Management in GAINS and Model Documentation o Scenario Services and Scientific Software (IAMC) – 45 min o Importing activity projections to GAINS – 30 min o User manual and tutorials – 30 min 	Binh Thanh Nguyen Laura <u>Warnecke</u>

Friday, 10 November 2023		
9:30 – 10:30	<ul style="list-style-type: none"> • Module 6: Policy Applications o Recent model results and policy applications 	Zbigniew Klimont
10:30 - 10:45	Coffee break	
10:45 – 12:00	Conclusions, <u>recommendations</u> and closure	Zbigniew Klimont /IIASA/ECE/PM
12:00	Lunch and departure of the participants	

