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Vides aizsardzības un reģionālās attīstības ministrija

Pre-defined Project

"Development of the National System for Greenhouse Gas Inventory and Reporting on Policies, Measures and Projections"

Ministry of Environmental protection and regional development

Climate Change department

Elīna Reihmane, project coordinator

30.03.2016

Steering Committee draft agenda

~13.30-14.30	JOINT LUNCH FOR STEERING COMMITTEE MEMBERS	
14:30	Opening Speech	Deputy Chair Ilze Prūse, Director of Climate Change Department
14:40	Introduction of the steering committee members and other participants of the meeting	Deputy Chair Ilze Prūse, Director of Climate Change Department
14:50	Adoption of agenda	Deputy Chair Ilze Prūse, Director of Climate Change Department
14:55	Information about ongoing, completed and planned activities – updated project schedule (MEPRD)	Elīna Reihmane, Project coordinator, Aigars Rūdulis, Project financier
15:15	Results of the completed activities – from project partner Latvian Environment, Geology and Meteorology Centre	Māris Gžibovskis, State Ltd "Latvian Environment, Geology and Meteorology Centre"
15:30	Results of the completed activities – from project partner Ministry of Agriculture	Kristīne Sirmā, Ministry of Agriculture, Agriculture Department, Head of Crop Farming Division
15:45 – 16:00	COFFEE BREAK	
16:00	Norwegian partner contribution in project activities now and further	Nina Holmengen, Norwegian Environment Agency
16:10	Information about project publicity events	Elīna Reihmane, Project Coordinator
16:20	Evaluation of the meeting and suggestions for improvements	Deputy Chair Ilze Prūse, Director of Climate Change Department
~17:00	End of the meeting	

Pre-defined Project – at a glance

PROJECT IMPLEMENTATION PERIOD

1 April 2014 – 31 January 2017 (prolongation confirmed)

Project Promoter

Ministry of Environmental protection and regional development (MoEPRD)

Project Partners

- Ministry of Agriculture (MoA)
- State Ltd Liability Company Latvian Environment, Geology and Meteorology Centre (LEGMC)
- Norwegian Environment Agency (NEA)

Total funding 1 981 871 EUR, EEA grant 1 981 871 EUR

LATVIJAS VIDES, ĢEOLOĢIJAS UN METEOROLOĢIJAS CENTRS

Vides aizsardzības un reģionālās attīstības ministrija

ZEMKOPĪBAS MINISTRIJA

MILJØ-DIREKTORATET

Pre-defined Project activities

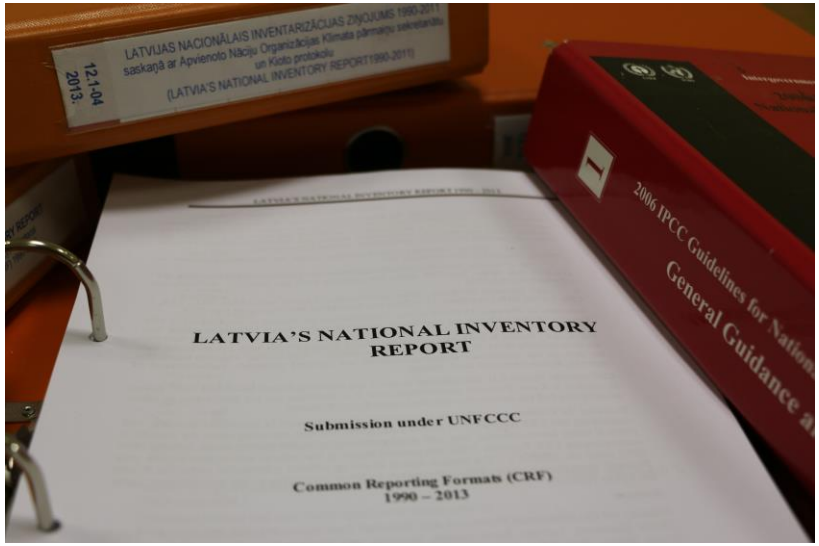
0) **Project management**

1) **Improvement of GHG inventory system in Latvia**

2) **Increasing capacity of the Latvian inventory experts**

3) **Improved quality of ex-ante and ex-post evaluation of climate change policy measures**

4) **Publicity**



for climate change and air quality data aggregation and preparation of reports to different international institutions

Performer – LEGMC, NEA

Outcome – Development of an integrated database for climate change and air quality data aggregation and preparation of reports to different international institutions

Progress until 30.03.2016

- Procurement finalized, procurement documentation currently examined by the Procurement Monitoring Bureau. Once examination is over, the contract is ready to be signed.
- Overview about Latvia's uncertainty analysis is currently being carried out by NEA

Next activities

- Signing the contract for the database. Estimated work task execution time: 5 calendar months from signature date.
- Work of Latvian experts on **data preparation** and **uncertainty evaluation** for the database in 6 sectors.
- Results from NEA on Latvia's inventory uncertainty analysis.

1.2. Researches in the inventory improvement field

Performer – MoA, LEGMC, NEA.

Outcomes - Implemented researches undertaken for inventory improvement

Progress until 30.03.2016

- 2 researches - ''Estimation of soil carbon stocks in cropland and grassland'' and ''QC/QE in land use, land-use change and forestry sectors'' completed in the last quarter of 2015.
- 2 researches – ''Promoting sustainable land management through creation of a digital soil database'' and ''Agricultural sector GHG emissions calculation methodology and data analysis with development of modelling tools integrating climate change'' at the final phase, to be finalized by April 2016.
- Norway experts gave their contribution to analyze and review QA/QC procedures in LULUCF and industrial processes (incl. F-gases) sectors in Latvia

Next activities

- Results of 4 researches to be presented at the Mid-term conference

More information on MoA activities by Kristīne Sirmā.

exchange events in order to increase the capacity of Latvian experts involved in the inventory process

ALL partners involved

Progress until 30.03.2016

- Training about Quality Assurance and Quality Control (QA/QC) procedures, land use, land-use change and forestry sectors, f-gases - Riga, May 2015
- Training about uncertainty evaluation - Oslo, October 2015

Next activities

- Participation in UNFCCC GHG training about inventory process in Germany, [possibly] May 2016 (UNFCCC Bonn session)

modelling system including guideline production, expense evaluation for different climate change policy event implementation and ex-ante (predictable) and ex-post (current) policy evaluation

Outcomes - Developed model system for climate change mitigation policy evaluation, including guidelines for cost assessment of different policy measures and ex-ante and ex-post policy assessment

Performer – MEPRD

Progress until 30.03.2016

- The activity is split in 3 smaller sub-activities due to different outputs
- Evaluation of Latvia's specific situation and needs with regard to climate change mitigation policy has been carried out
- Public procurement documentation is under development

Next activities

- Public procurement procedure
- Norwegian expert contribution to guideline and cost-benefit analysis development. (Pending with regard to the development of guidelines under activity 3.1.1. Next steps - coordinating the activity between NEA and MoEPRD, setting structure for the output.)

3.1.3. Researches on emission mitigation policy guarantee from waste management sector

- Evaluation on household, hazardous and manufacture waste structure in the waste managing regions. (Public procurement **MoEPRD**).
- Methane correction factor (MCF) in waste dumps in Latvia. (Public procurement **LEGMC).**
- Emission factor development from waste and sewage sludge composting. (Public procurement **LEGMC).**

Progress until 30.03.2016

- 2 Researches - ''Methane correction factor (MCF) in waste dumps in Latvia'' and ''Emission factor development from waste and sewage sludge composting'' finalized in September 2015. Executor - Waste Management Association of Latvia (*LASA*);
- ''Evaluation on household, hazardous and manufacture waste structure in the waste managing regions'' - public procurement to be announced repeatedly, in order to carry out the research during the prolongation period

Next activities

- Launch of public procurement for ''Evaluation on household, hazardous and manufacture waste structure in the waste managing regions'', April 2016
- Results from 2 researches expected to be used in next inventory report.

3.1.4. Community involvement in the climate change mitigation and Low carbon development policy formation in Latvia.

Performer – MoEPRD

Progress until 30.03.2016

- Public consultations on climate change mitigation in Latvia, Riga, November 2015

Next activities

- Public discussion on Low Carbon Development, Riga, April 22, 2016 (In parallel with the official signatory ceremony of the Paris Agreement)
- 5 Regional seminars on Low Carbon Development, September 2016
- Development of a booklet on climate change topicalities, 2nd quarter of 2016

3.2. Trainings for experts who are involved in the climate change national policy, events and forecast development.

ALL partners involved.

Progress until 30.03.2016

- Knowledge Exchange event about model system and guidelines in policy evaluation, Oslo, November 2015
- Participation in the United Nation Climate change conference and organization of a project-related side-event during COP21, Paris, December 2016

Next activities

- Experience Exchange event about climate change policy evaluation, Riga, April 1, 2016

Bilateral fund event (EEA Grants Fund for Bilateral Relations)

Seminar about peatland management in the context of greenhouse gas emission inventory – Norway case

- A 2-day seminar on 3rd and 4th of November, 2015, in Riga and Jelgava
- Various Latvian institutions (ministries, NGO's, organizations, companies) and two Norwegian experts from the Norwegian Institute of Bioeconomy Research (NIBIO)
- Broad discussions on peatland management, including on peat use, peatland restoration and the connected GHG emission aspects in Norway and Latvia.
- Issues such as the normative regulation of the sector, related scientific researches (including on GHG emission data) discussed.

0. Project management

- 5th Project report submitted to supervising institution - State Regional Development Agency (SRDA)
- Ongoing amendments in Project and Partnership Agreements for all Partners
- Last Steering Committee meeting (linked together with the Project's Closing conference around November 2016)
- Continued daily work on Project coordination

Thank you for your attention!

Project coordinator Elina Reihmane

elina.reihmane@varam.gov.lv

Project publicity
Progress until 30.03.2016

- 2 out of 3 publications in mass media done

Klimata pārmaiņas Latvijā notiek jau tagad – par to liecina izmaiņas temperatūras un nokrišņu režīmā, vētru intensitātē. Klimata pārmaiņas izraisa gan dabiski, gan cilvēka radīti procesi, taču pēdējās desmitgadēs pārmaiņas lielākoties notiek atmosfērā pieaugošās siltumnīcefekta gāzu (SEG) emisiju koncentrācijas dēļ, kas radusies cilvēka darbības rezultātā. Eiropas Savienība nākamajās desmitgadēs plāno ievērojami samazināt SEG emisijas, arī Latvija uzņēmusies mērķus emisiju samazināšanai un oglekļa dioksīda (CO_2) piesaistei. Latvijas pienākums ir katru gadu uzskaitīt radītās un piesaistītās siltumnīcefekta gāzes. Ik gadu iesniedzamo SEG emisiju un CO_2 piesaistes aprēķina aprakstu un apkopojumu speciālā ziņošanas formātā sauc par SEG inventarizāciju.

Siltumnīcefekta gāzu inventarizācija Latvijā

(ieskaitot transportu), lauksaimniecību, rūpnieciskiem procesiem, zemes izmantošanu, zemes izmantošanas maiņu un mežsaimniecību, šķidinātāju un citu produktu lietošanu un atkritumu apsaimniekošanu. Tomēr iepriekšējā pieredze rāda, ka katra SEG inventarizācijas ziņojuma izstrādē ik gadu nākas saskarties ar virkni problēmu, kuru risināšana sniegtu būtiskus kvalitatīvās un kvantitatīvās informācijas uzlabojumus.

Lai risinātu situāciju un nodrošinātu kvalitatīvāku informāciju, paaugstinātu emisiju uzskaitē iesaistīto ekspertu kapacitāti un uzlabotu klimata politikas pasākumus un prognozes, Latvijā ir uzsākts projekts «Nacionālās sistēmas pilnveidošana siltumnīcefekta gāzu inventarizācijai un ziņošanai par politikām, pasākumiem un prognozēm». Kā partneri projektā iesaistītas vairākas institūcijas. Projekta vadošais partneris ir Vides aizsardzības un reģionālās attīstības ministrija (VARAM), kas izstrādā, organizē

LIELĀ INVENTARIZĀCIJA

Siltumnīcefekta gāzu emisijas un oglekļa dioksīda piesaiste tiek rūpīgi uzskaitīta arī Latvijā

Siltumnīcefekts lielā mērā ietekmē klimatu uz Zemes. Tas uz mūsu planētas ir tikpat sens, cik pati Zemes atmosfēra, tomēr pēdējo gadsimtu laikā ievērojami palielinājies cilvēku saimnieciskās darbības radītais siltumnīcefekta gāzu (SEG) emisiju apjoms. Arī Latvijas pienākums ir ik gadu veikt SEG uzskaiti jeb inventarizāciju. Šo darbu veic Vides aizsardzības un reģionālās attīstības ministrija (VARAM) kopā ar vairākiem sadarbības partneriem.

Apmēram 500 lappušu – tik biezs ir Latvijas SEG inventarizācijas ziņojums, ko VARAM reizi gadā iesniedz Eiropas Komisijai un ANO Vispārējās konvencijas par klimata pārmaiņām (UNFCCC) sekretariātam. Apjomīgajā materiālā iekļauta detalizēta informācija par izmantotajiem datiem un metodēm, aprēķinot SEG emisijas un oglekļa dioksīda (CO_2) piesaisti, ko rada enerģētikas, transporta, rūpnieciskā procesu un ķīmisko vielu izmantošanas, atkritumu apsaimniekošanas, lauksaimniecības, kā arī zemes izmantošanas, zemes izmantošanas maiņas un mežsaimniecības sektori.

Datu apkopošanā iesaistītas vairākas institūcijas, kas nodrošina informāciju par visām inventarizācijā iekļautajām jomām, kā arī Latvijas zinātniski pētnieciskie institūti, kas veic SEG emisiju un oglekļa dioksīda piesaistes aprēķināšanu. "Mēs tiešām visu sarēķinām! Mēs sarēķinām gan to, ko cilvēki kurina krāsniņās un kompostē piemājas dārziņos, gan to, ko rada rūpnīcas, un to, kas rodas, braucot ar automašīnām," stāsta VARAM Klimata pārmaiņu departamenta

sistēmas pilnveidošana siltumnīcefekta gāzu inventarizācijai un ziņošanai par politikām, pasākumiem un prognozēm". Tā ietvaros paredzēts izstrādāt arī datubāzi gaisa piesārņojošo vielu un SEG emisiju un piesaistes datu apkopošanai. "Datubāze noteikti būs viens no svarīgākajiem šā projekta ieguvumiem," skaidro projekta koordinatore Elīna Reihmane. "Visu sektoru dati turpmāk būs apkopoti vienā sistēmā, un, ņemot vērā šo datu savstarpējo saistību, uzlabosies aprēķinu precizitāte." Datubāzi VARAM izstrādā, sadarbojoties ar VSIA "Latvijas Vides, ģeoloģijas un meteoroloģijas centrs" un partneriem no Vācijas.

Projekta ietvaros tiek īstenoti arī citi pasākumi, kuros iesaistīti sadarbības

speciālisti izstrādājuši Latvijas lauksaimnieciskās ražošanas rādītājiem atbilstošu prognožu modeli, savukārt Latvijas Valsts mežzinātnes institūta "Silava" eksperti noteikuši augsnes oglekļa krājumu aramzemē un pļavās.

VARAM Klimata pārmaiņu departamenta vecākā referente Agita Gancone skaidro, ka projektam ir arī ieguvumi, kas nav tieši saistīti ar SEG emisijām. "Tas mums ir palīdzējis savest kopā dažādu nozaru ekspertus, kā arī rast priekšlikumus nozaru sakārtošanai. Piemēram, veicot pētījumu par fluorēto gāzu emisiju aprēķinu uzlabošanu, konstatējām, ka jāsakārto likumdošana par saldēšanas iekārtu nodošanu utilizācijai," stāsta speciāliste.

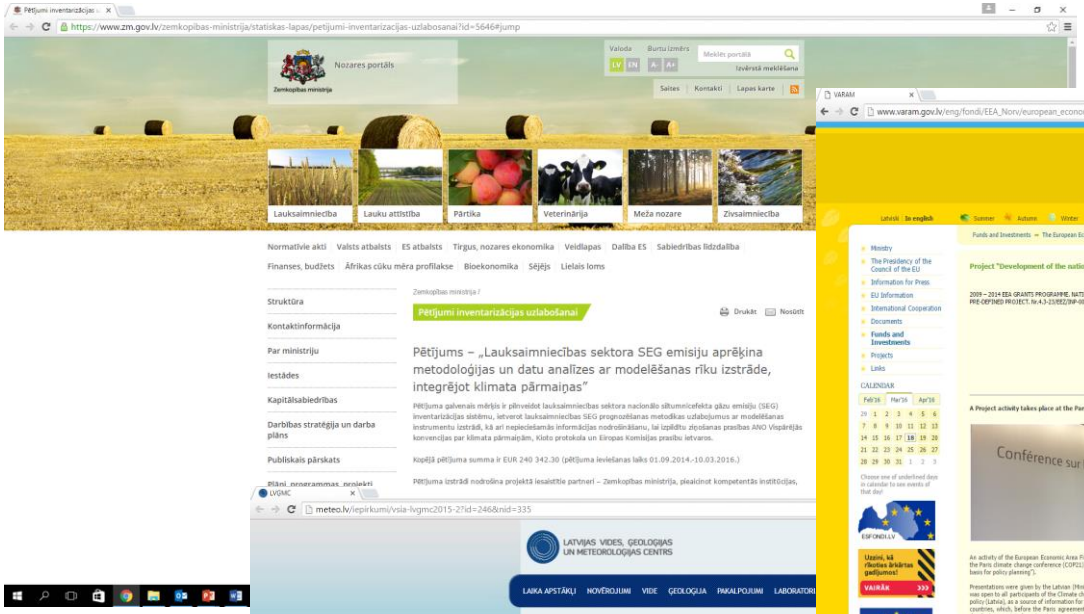
Project publicity

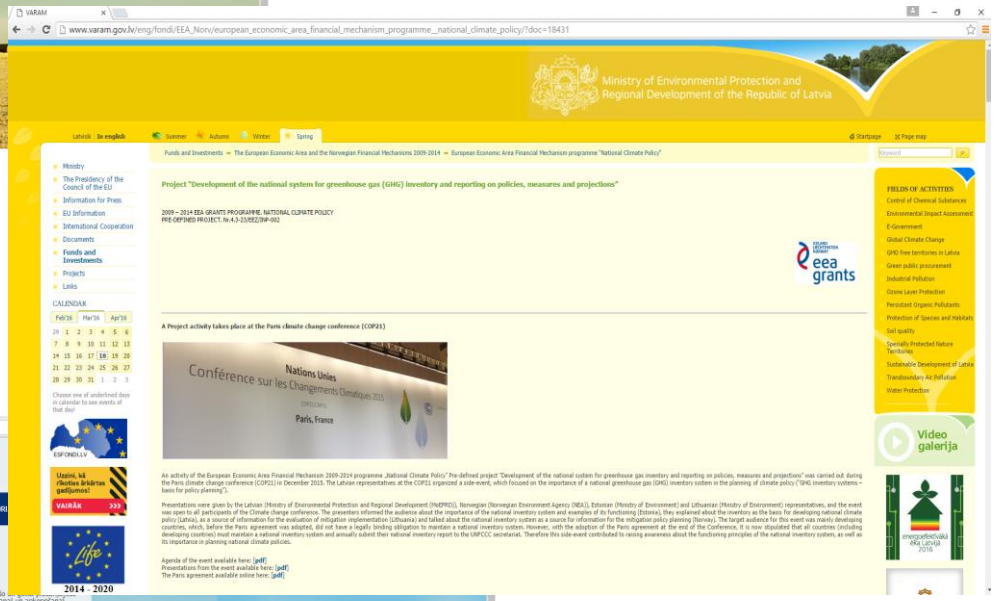
- Representative materials for the Mid-term conference

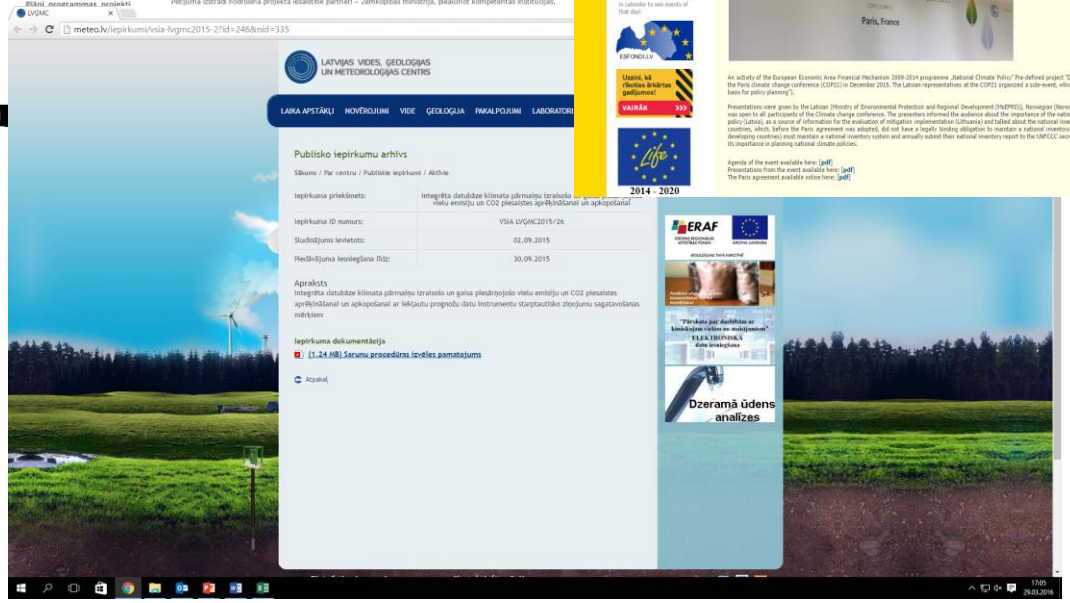
- Closer to the people - a Twitter account and a website on climate change (under development)

Project publicity

- Regular information on partner's websites – MoEPRD, MoA, LEGMC







Project publicity

Next activities

- One more publication in mass media remaining (possibly in relation to Project's results)
- Project's Closing conference (possibly around November 2016)
- Translation of project's results for informative materials
- Dissemination of project's results in a digital format (USB/CD..).