



## PROGRAM FOR NORWEGIAN-LATVIAN EXPERIENCE-SHARING EVENTS IN NORWAY

**Part of pre-defined EEA-project No.1: Development of the National System for Greenhouse gas inventory and evaluation and reporting on policies, measures and projections**

**Date: 27-30 October 2014**

### Experience-sharing event on national inventory system (27-28. October)

#### AGENDA MONDAY 27<sup>th</sup> of October

Venue: Norwegian Environment Agency (Strømsveien 96, Oslo), Room 1

| <b>Time</b>   | <b>Item</b>  | <b>Host/Presenter</b>   |
|---|--|---|
| <b>0900-0915</b>  | <b>Opening, welcome and introduction</b>   | Mr. Audun Rosland, head of Climate department, Norwegian Environment Agency (NEA)   |
| <b>0915-0930</b>  | <b>EEA Grants program – brief information</b>  | Mr. Trygve Hallingstad, Norwegian Environment Agency  |
| <b>0930-1020</b><br><br>40 min<br><br>10 min              | <b>Orientation about Latvia's National inventory system</b><br><br>Involved institutions.<br><br>Current functioning of the system.<br><br>Questions and discussions               | Ms. Agita Gancone, The Ministry of Environmental Protection and Regional Development (MEPRD),<br>Ms. Vita Ratniece, Latvian Environment, Geology and Meteorology Centre (LEGMA) |
| <b>1020-1035</b>  | <b>Coffee break</b>  |   |
| <b>1035-1105</b><br><br>15 min<br><br>15 min<br><br>5 min | <b>Norwegian national GHG inventory system</b><br><br>Institutional arrangements<br><br>Legal/voluntary instruments for GHG inventory compilation<br><br>Questions and discussions | Ms Nina Holmengen, NEA<br><br>Ms Ellen Bruzelius Backer, NEA  |



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| <b>1105-1215</b> | <b>Norwegian GHG inventory national system (cont.)</b>    |  |
| 15 min           | GHG improvement planning                                  | Ms Ellen Bruzelius Backer, NEA   |
| 15 min           | Preparation by Norway for use of the 2006 IPCC guidelines | Ms Britta Hoem, NEA  |
| 15 min           | Archiving of information and data, documentation          | Ms Nina Holmengen, NEA   |
| 15 min           | Quality Assurance/Quality Control (QA/QC)                 | Ms Britta Hoem, NEA  |
| 10 min           | Questions and discussions                                 |  |
| <b>1215-1315</b> | <b>Lunch</b>  |  |
| <b>1315-1445</b> | <b>Session on LULUCF</b>                                  |  |
| 15 min           | Introduction about the Climate Center                     | Dr. Gunnhild Sjøgaard, Norwegian Forest and Landscape Institute (NFLI) |
| 35 min           | National Forest Inventory                                 | Dr. Gunnhild Sjøgaard, NFLI  |
| 40 min           | LULUCF Accounting   | Dr. Signe Borgen, NFLI   |
| 10 min           | Questions and discussion                                  |  |
| <b>1445-1500</b> | <b>Coffee break</b>                                       |  |
| <b>1500-1600</b> | <b>Data collection and estimation processes in Norway</b> |  |
| 20 min           | Waste   | Mr Simen Helgesen Ramberg, NEA   |
| 25 min           | Agriculture   | Ms Britta Hoem, NEA  |
| 15 min           | Questions and discussion                                  |  |
| <b>1900</b>      | <b>Dinner</b>   |  |

## AGENDA TUESDAY 28<sup>th</sup> of October

Venue: Norwegian Environment Agency (Strømsveien 96, Oslo), Room 1

| <b>Time</b>      | <b>Item</b>   | <b>Host/Presenter</b>                         |
|------------------|---|---|
| <b>0900-0905</b> | <b>Recap of day 1 and introduction for day 2</b>          | Ms Britta Hoem, NEA                           |
| <b>0900-1030</b> | <b>Data collection and estimation processes in Norway</b> |   |
| 30 min           | Data collection in Statistics Norway                      | Mr. Håkon Frøysa Skullerud, Statistics Norway |

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|------------------|--|---|
| 25 min           | Industrial processes and SOPU  | Mr Hans H. Kolshus, NEA   |
| 30 min           | Presentation of the tool Forurensing   | Mr Christian Haugland /Mr. Torstein Finnesand, NEA                                    |
| 5 min            | Questions and discussions  |   |
| <b>1030-1045</b> | <b>Coffee break</b>  |   |
| <b>1045-1230</b> | <b>Data collection and estimation processes (cont) and a mitigation calculation tool</b> |   |
| 30 min           | The Norwegian Energy balance   | Ms. Ann-Christin Bøeng, Statistics Norway   |
| 30 min           | Energy and transport-sector emission estimation methodologies                            | Ms Nina Holmengen, Norwegian Environment Agency                                       |
| 30 min           | Presentation of the tool Klimatall   | Mr Fredrik Weidemann, senior adviser, section for emission inventories and analysis   |
| 15 min           | Questions and discussion   |   |
| <b>1230-1330</b> | <b>Lunch</b>   |   |
| <b>1330-1430</b> | <b>Preparation of GHG projections in Norway</b>  | Ms. Marte Sollie, Ministry of Finance   |
| <b>1430-1445</b> | <b>Coffee break</b>  |   |
| <b>1445-1535</b> | <b>Presentation of the EEA financed National inventory system project in Latvia</b>      |   |
| 30 min           | Project overview, all activities, planned time table                                     | Ms. Māra Melnbārde, The Ministry of Environmental Protection and Regional Development |
| 15 min           | Activity 1.1. Development of the integrated database                                     | Ms. Ieva Sīle, Latvian Environment, Geology and Meteorology Centre                    |
| 10 min           | Questions and discussion   |   |
| <b>1535-1600</b> | <b>Wrap up and closure of the experience-sharing event on national inventory system</b>  |   |



## Experience-sharing event on research in agriculture and forestry sectors (29-30. October)

### AGENDA WEDNESDAY 29<sup>th</sup> of October

Venue: Norwegian Environment Agency (Strømsveien 96, Oslo), Room 1

| Time      | Item   | Host/Presenter  |
|-----------|--|---|
| 0900-0905 | <b>Introduction</b>  | Ms Britta Hoem, Norwegian Environment Agency  |
| 0905-1000 | <p><b>Agriculture research projects - Latvia</b></p> <p><b>Presentation of the EEA financed agriculture projects in Latvia</b></p> <p>Activity 1.2.2.<br/>Agricultural sector GHG emissions calculation methodology and data analysis with development of modelling tools integrating the changing climate</p> | Ms. Laima Bērziņa / Ms. Elita Aplociņa, Latvia University of Agriculture  |
| 1000-1015 | <b>Coffee break</b>  |   |
| 1015-1200 | <p><b>Agriculture research projects - Norway</b></p> <p>40 min Manure project - national factors (Nex, EF) and tier 2 estimations for enteric CH4 from cattle and sheep</p> <p>30 min Norwegian NH3 model</p> <p>30 min Development of Norwegian FracLEACH</p> <p>5 min Questions and discussions</p>          | <p>Dr. Odd Magne Harstad, Norwegian University of Life Sciences</p> <p>Dr. John Morken, Norwegian University of Life Sciences</p> <p>Ms. Inga Greipsland, Bioforsk</p>                            |
| 1200-1230 | <p><b>Agriculture – projections</b></p> <p>15 min Projections for the agriculture sector in Norway</p> <p>15 min Projections for the agriculture sector in Latvia</p>  | <p>Ms. Britta Hoem, Norwegian Environment Agency and Mr. Finn Walland, The Norwegian Agricultural Economics Research Institute (NILF)</p> <p>Ms. Laima Bērziņa, prepared by Mr. Pēteris Rivža</p> |
| 1230-1330 | <b>Lunch</b>   |   |



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|------------------|--|--|
| <b>1330-1430</b> | <b>Estimation of soil carbon stock in cropland and grassland in Norway</b>               |  |
| 40 min           | Tier 1 and 2 methods for mineral soils on grasslands and cropland                        | Dr. Signe Borgen, Norwegian Forest and Landscape Institute |
| 20 min           | Use of the 2013 Wetland Supplement for organic soils                                     | Dr. Signe Borgen, Norwegian Forest and Landscape Institute |
| <b>1430-1500</b> | <b>Coffee break</b>  |  |
| <b>1500-1545</b> | <b>Presentation of the soil carbon stock project in cropland and grassland in Latvia</b> | Mr. Andis Lazdiņš (Latvia), SILAVA                         |
| 30 min           |  |  |
| 15 min           | Questions and discussions  |  |

## AGENDA THURSDAY 30<sup>th</sup> of October

Venue: Norwegian Environment Agency (Strømsveien 96, Oslo), Room 1

| <b>Time</b>      | <b>Item</b>  | <b>Host/Presenter</b>  |
|------------------|--|--|
| <b>900-1030</b>  | <b>Presentation of the digital soil database in Norway</b>   | M.Sc. Arnold Arnoldussen, Norwegian Forest and Landscape Institute |
| <b>1030-1045</b> | <b>Coffee break</b>  |  |
| <b>1045-1230</b> | <b>Presentation of the digital soil database in Norway (cont.)</b><br><br>Questions and discussions        | M.Sc. Arnold Arnoldussen, Norwegian Forest and Landscape Institute |
| <b>1230-1330</b> | <b>Lunch</b>   |  |
| <b>1330-1430</b> | <b>Presentation of the digital soil database project in Latvia</b>   | Mr. Aldis Kārklīšs,<br>Latvia University of Agriculture            |
| 40 min           |  |  |
| 20 min           | Questions and discussions  |  |
| <b>1430-1445</b> | <b>Coffee break</b>  |  |
| <b>1445-1530</b> | Questions and discussions <b>on elaboration of the digital soil database project in Latvia (cont.)</b>     |  |
| <b>1530-1600</b> | <b>Wrap up and Closure of the experience-sharing event on research in agriculture and forestry sectors</b> |  |