**Annex I**

**Table of sectoral competences and roles for the institution inventory, approximate inventory and accounts**

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| **Sector** | **Required information** | **Ministers or institutions**  **competent** | **Roles assigned** |
| **Analysis of uncertainties and**  **Key categories** |  | Environment Agency | Sectoral expert. |
| **Energy** |  | Environment Agency | Sectoral expert. |
| Detailed energy balances. | STATEC | Provision of data. |
| Fuel-specific data (fuels and bio-fuels). | Environment Agency  Minister in charge of energy  Luxembourg Regulatory Institute | Provision of data and emission factors. |
| Installation-specific data, including ETS and PRTR. | Environment Agency | Provision of data and emission factors. |
| Data specific to infrastructures and networks. | Luxembourg Regulatory Institute | Provision of data. |
| **Transport** |  | Environment Agency | Sectoral expert. |
| Transport data: road, rail, waterways and railways including the composition and fleet characteristics. | STATEC  Minister in charge of transport and mobility | Provision of data. |
| Specific data related to vehicles. | Environment Agency | Provision of data. |
| **Industrial processes and product use** |  | Environment Agency | Sectoral expert. |
| Installation-specific data, including ETS and PRTR, and to the use of certain products and substances. | Environment Agency | Provision of data; |
| Data on the import, export and production of specific products and substances. | STATEC | Provision of data. |
| **Agriculture** |  | Rural Economy Department | Sectoral expert. |
| Data specific to animal and plant production, agricultural facilities and practices. | Rural Economy Department  Administration of Technical Agricultural Services  Environment Agency | Provision of data and emission factors. |

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| **Land Use, Land-Use Change and Forestry (LULUCF**) |  | Environment Agency | Sectoral expert. |
| Specific data land occupation and use. | Minister in charge of the environment  Minister in charge of spatial planning  Environment Agency  Nature and Forest Agency  Administration of Technical Agricultural Services  Land Registry and Topography Administration | Provision of data. |
| Specific data on soil composition. | Nature and Forest Agency  Administration of Technical Agricultural Services | Provision of data. |
| Data on agricultural practices. | Rural Economy Department  Administration of Technical Agricultural Services | Provision of data. |
| Data on forests, forestry practices and silviculture. | Nature and Forest Agency | Provision of data. |
| Waste |  | Environment Agency | Sectoral expert. |
| Data specific to waste production and processing. | Environment Agency | Provision of data. |
| Waste water management |  | Water Management Agency | Sectoral expert. |
| Data specific to wastewater management, including wastewater treatment facilities. | Water Management Agency | Provision of data. |

**Annex II**

**Table of sectoral competencies and roles for the projections and for the ex-ante and ex-post evaluation of policies and measures, including related costs**

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| **Object** | **Required information** | **Ministers or other institutions** | **Roles assigned** |
| **Baseline data for projections - key variables** | Projections of certain socio-economic variables, including energy consumption and variables related to agricultural activities.  Expected developments of certain price variables (energy, transport). | STATEC  Ministers in charge of energy, agriculture and transport & mobility | Provision of projected trends in these variables.  Provision of the underlying assumptions and calculations of those trends. |
| **Baseline data for projections - other variables** | Economic activity variables (energy, industry and processes, buildings, agriculture, LULUCF, waste and wastewater management).  Infrastructure and utilities networks.  Standards. | STATEC  Ministers in charge of energy, environment, agriculture and transport & mobility | Development and provision of potential trends for these activities.  Provision of the underlying assumptions and calculations of those trends.  Provision of information related to technical standards and other information, which are relevant for the projections and evaluation of policies and measures. |
| **Modelling of data** | Results of socio-economic models, e.g. general equilibrium models. | STATEC | Provision of the results and hypotheses obtained from these models based on the scenarios taken into account. |
| **Energy** |  | STATEC | Sectoral expert. |
| Projected changes in energy consumption data.  Assumptions on the development of economic activity variables and related parameters, including technology and energy mix.  Assumptions on the development of infrastructure and distribution networks; forecast changes in standards. | STATEC  Minister in charge of energy  Luxembourg Regulatory Institute | Provision of projected trends for these variables.  Assessment of the costs and effects of policies and measures.  Provision of the underlying assumptions and calculations of these trends and assessments. |

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| **Transport** |  | Minister in charge of transport & mobility | Sectoral expert. |
| Assumptions on the development of economic activity variables and related parameters.  Expected development of national, border and transit traffic and infrastructure.  Expected evolution of the modal split of passenger and freight transport.  Expected development of the energy mix.  Expected development of prices and taxation related to mobility and fuels.  Expected development of vehicle standards. | Ministers in charge of transport & mobility, spatial planning, environment and finance  STATEC | Provision of expected trends in these variables.  Assessment of the costs and effects of policies and measures.  Provision of the underlying assumptions and calculations for these trends and assessments.  Provision of expected changes in prices and taxation related to mobility and fuels.  Provision of expected changes in vehicle standards. |
| **Industrial processes and product use** |  | Environment Agency | Sectoral expert. |
| Assumptions on the development of facility-specific activity variables and related parameters, including ETS and PRTR, as well as the use of specific products and substances. | Environment Agency | Provision of expected trends in these variables.  Assessment of the costs and effects of policies and measures.  Provision of the underlying assumptions and calculations for these trends and assessment. |
| Assumptions on the development of the import, export and production of specific products and substances. | STATEC | Provision of expected trends in these variables.  Provision of the underlying assumptions and calculations for these trends. |
| **Agriculture** |  | Rural Economy Department | Sectoral expert. |
| Assumptions on the development of economic activity variables and related parameters that are specific to animal and plant production. | Rural Economy Department  Administration of Technical Agricultural Services  Environment Agency | Provision of expected trends in these variables.  Assessment of the costs and effects of policies and measures.  Provision of the underlying assumptions and calculations for these trends and assessments. |
| Assumptions regarding developments specific to agricultural facilities and practices. | Rural Economy Department  Administration of Technical Agricultural Services | Provision of expected trends in these variables.  Provision of the underlying assumptions and calculations for these trends. |

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| **Land Use, Land-Use Change and Forestry (LULUCF)** |  | Environment Agency | Sectoral expert |
| Assumptions on the development of activity variables and related parameters that are specific to land occupation and use. | Environment Agency  Nature and Forest Agency  Administration of Technical Agricultural Services  Land Registry and Topography Administration | Provision of expected trends in these variables.  Assessment of the costs and effects of policies and measures.  Provision of the underlying assumptions and calculations for these trends and assessments. |
| Specific data on soil composition. | Nature and Forest Agency  Administration of Technical Agricultural Services | Provision of data. |
| Assumptions regarding specific developments in agricultural practices. | Rural Economy Department  Administration of Technical Agricultural Services | Provision of expected trends in these practices.  Provision of the underlying assumptions for these trends. |
| Assumptions regarding specific developments in forests, forestry practices and silviculture. | Nature and Forest Agency | Provision of expected trends in these practices.  Provision of the underlying assumptions for these trends. |
| **Waste** |  | Environment Agency | Sectoral expert. |
| Assumptions on the development of activity variables and related parameters that are specific to waste production and processing. | Environment Agency | Provision of expected trends in these variables.  Assessment of the costs and effects of policies and measures.  Provision of the underlying assumptions and calculations for these trends and assessments. |
| **Waste water management** |  | Water Management Agency | Sectoral expert. |
|  | Assumptions on the development of activity variables and related parameters that are specific to wastewater management, including wastewater treatment facilities | Water Management Agency | Provision of expected trends in these variables.  Assessment of the costs and effects of policies and measures.  Provision of the underlying assumptions and calculations for these trends and assessments. |

