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| **DAY 1: EMISSIONS MODELS AND PROJECTIONS**  **Monday 20 November 2023**  **Chair:** Giorgos Fontaras  Sustainable Transport Unit, European Commission, Joint Research Centre (EC JRC), Ispra, Italy |

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|  | **Presentation** | **Speaker** |
| 1.1 | [**Mobile Emissions: New and recent developments in the Netherlands**](https://ermes-group.eu/sites/default/files/ERMES_Plenary_2023/1.1_deRuiter_Ligterink_Ermes_Plenary_2023.pdf) | **Jessica de Ruiter** and **Norbert Ligterink,** TNO, The Netherlands |
| 1.2 | [**HBEFA Outlook and Update Plans**](https://ermes-group.eu/sites/default/files/ERMES_Plenary_2023/1.2_Notter_Ermes_Plenary_2023.pdf) | **Benedikt Notter,** INFRAS, Bern, Switzerland and **Stefan Hausberger**, Graz University of Technology, Graz, Austria |
| 1.3 | [**COPERT: What’s new in version 5.7**](https://ermes-group.eu/sites/default/files/ERMES_Plenary_2023/1.3_Karageorgiou_Ermes_Plenary_2023.pdf) | **Traianos Karageorgiou**, EMISIA, Greece |
| 1.4 | [**Bottom-up calculation of cold start emissions in the Netherlands**](https://ermes-group.eu/sites/default/files/ERMES_Plenary_2023/1.4_Eijk_Ermes_Plenary_2023.pdf) | **Emiel Eijk and Jessica de Ruiter** TNO, The Netherlands |
| 1.5 | [**UNECE IWG on Automotive Life Cycle Analysis (LCA) - developing a harmonized methodology for automotive’s future**](https://ermes-group.eu/sites/default/files/ERMES_Plenary_2023/1.5_Pierro_Ermes_Plenary_2023.pdf) | **Giuseppe Di Pierro**, Sustainable Transport Unit, European Commission, Joint Research Centre (EC JRC), Ispra, Italy |
| 1.6 | [**Real-world evaluation of WBA limits in urban driving**](https://ermes-group.eu/sites/default/files/ERMES_Plenary_2023/1.6_Frateur_Ermes_Plenary_2023.pdf) | **Thomas Frateur,** TNO, The Netherlands |