



Welcome to the IMPRESS 2: Stakeholder Workshop

Rod Robinson

Stakeholder Workshop, 11th January 2021, virtual

Introduction



- IMPRESS 2 – Innovative Measurements for Pollution Regulation in EmiSSions 2
- Review of the work undertaken
- Summary of each work package
- Short technical talks on selected highlights
- Summary of the outputs

Project partners

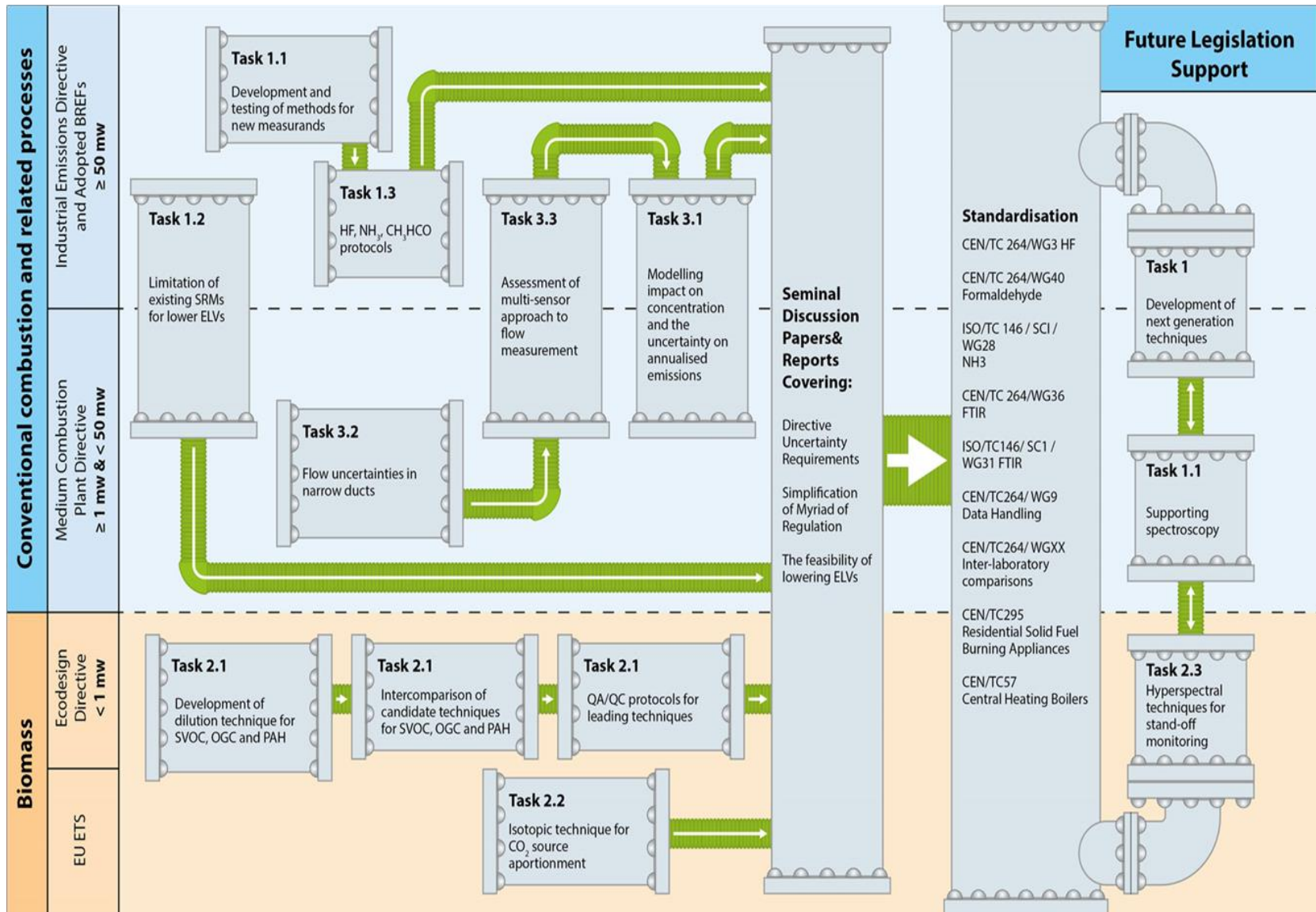


no.	Participant Type	Short Name	Organisation legal full name	Country
1	Internal Funded Partner	NPL	NPL Management Limited	United Kingdom
2	Internal Funded Partner	CEM	Centro Español de Metrología	Spain
3	Internal Funded Partner	CMI	Cesky Metrologický Institut	Czech Republic
4	Internal Funded Partner	PTB	Physikalisch-Technische Bundesanstalt	Germany
5	Internal Funded Partner	RISE	RISE Research Institutes of Sweden AB	Sweden
6	Internal Funded Partner	VSL	VSL B.V.	Netherlands
7	Internal Funded Partner	VTT	Teknologian tutkimuskeskus VTT Oy	Finland
8	External Funded Partner	CNR	Consiglio Nazionale delle Ricerche	Italy
9	External Funded Partner	DTI	Teknologisk Institut	Denmark
10	External Funded Partner	DTU	Danmarks Tekniske Universitet	Denmark
11	External Funded Partner	ENEA	Agenzia Nazionale per le nuove tecnologie, l'energia e lo sviluppo economico sostenibile	Italy
12	External Funded Partner	INERIS	Institut national de l'environnement industriel et des risques ineris	France
13	External Funded Partner	ISSI	Azienda Speciale Innovhub – Stazioni Sperimentali per L'Industria	Italy
14	External Funded Partner	TU Delft	Technische Universiteit Delft	Netherlands
15	External Funded Partner	UC3M	Universidad Carlos III De Madrid	Spain

Workpackages and responsibilities



WP No	Work Package Name	Active JRP-Participants (WP leader in bold)
WP1	Enforcement of IED and MCP ELVs and Next generation Techniques	NPL , INERIS, VSL, DTU, PTB, CNR
WP2	Biomass Combustion Emissions Measurement	INERIS , SP, DTI, DTU, ENEA, ISSI, NPL, VTT, VSL, CEM, UC3M
WP3	Flow Uncertainty and Impact on Annualised Mass Emissions	VSL , NPL, CMI, TU Delft, ISSI, CNR
WP4	Creating Impact	NPL, ALL
WP5	Management and Coordination	NPL , INERIS, VSL, TU Delft, PTB, VTT, All



CET time	Programme	Presented by
10:15 – 10:35	Welcome and Introduction	NPL
	WP1: Enforcement of IED and MCP ELVs and Next Generation Techniques	
10:35 – 10:40	Introduction to WP1	NPL
10:40 – 11:00	Analytical laboratory comparability considerations in measuring HCl stack emissions in accordance with EN 1911	Marc Coleman, NPL
11:00 – 11:10	Progressing dTDLAS-based HCl optical gas standards - towards meeting type approval requirements of EN 15267-4	Zhechao Qu, PTB
11:20 – 11:30	Review of manual and instrumental methods and techniques of CHO ₂ and NH ₃ measurements, for the development and validation of standardised reference methods	Isaline Fraboulet, INERIS
11:30 – 11:40	In situ and on-line NH ₃ measurements on stack gases	Alexander Fateev, DTU & Francesco D'Amato, CNR
11:40 – 12:00	Coffee	
	WP2: Biomass Combustion Emission Measurements	
12:00 – 12:10	Introduction to WP2	Isaline Fraboulet, INERIS
12:10 – 12:30	Conception and evaluation of performance of a dilution chamber to collect solid and condensable fractions of PM emitted by woodlog and pellets stoves	Francesca Hugony, ENEA
12:30 – 12:50	Optical spectrometer for real-time and on-site measurements of stable isotopes of combustion originated carbon dioxide	Ville Ulvila, VTT
12:50 – 13:10	Hyperspectral techniques for air pollutant detection and quantification	Guillermo Guarnizo, UC3M
13:10 – 13:40	Lunch	
	WP3: Flow Uncertainty and Impact on Annualised Mass Emissions	
13:40 – 13:50	Introduction to WP3	Marcel Workamp, VSL
13:50 – 14:00	Traceable uncertainties of flow measurements propagated for annualised mass emission reporting	Thomas Smith, NPL
14:00 – 14:15	Narrow stack emissions: Errors in flow rate measurement due to disturbances and swirl	Stanislav Knotek, CMI
14:15 – 14:30	Spectroscopic techniques versus Pitot tube for the measurement of flow velocity in narrow ducts	Gabriele Migliavacca, ISSI
	WP4: Creating impact	
14:30 – 14:40	Summary of impact WP achievements	NPL
14:40 – 15:00	IMPRESS 2 contributions to CEN and ISO standardisation (NPL, tbc)	NPL
15:00 – 15:15	Closing discussion	All
15:15 – 15:20	Closing remarks of project coordinator	NPL

Meeting rules

- Please stay on mute if not talking
- Each presenter will present their own slides
- If you would like to ask a question we will take questions at the end of talks –
 - please raise your hand if you have a question
 - or put the question in chat
- Presentations will be available on the project website after the meeting



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COFFEE Break – we'll resume at 12:30 CET

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Welcome to the IMPRESS 2: Stakeholder Workshop

Lunch Break– we'll resume at 14:15 CET

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