19ENV05 STELLAR M18 Project Meeting

Stable isotope metrology to enable climate action and regulation

Agenda

11 Feb 2022

Telecon

NOTE: Times are UK time

	Programme	
13:00-13:10	**Welcome and Introduction**	
	Roll call	Ruth
13:10-13:40	**WP3: Advancing optical isotope ratio spectroscopy for carbon dioxide and methane**	
	Status at M18 and upcoming challenges and discussions towards M27 • 3.1 Laboratory development of spectroscopy for carbon dioxide • 3.2 Development of OIRS for methane • 3.3 Field deployment of OIRS and demonstration of compatibility	Javis
13:40-14:20	**WP2: First time isotope ratio gas reference materials for $\delta^{13}CH_4$ and $\delta^{2}H$-CH_4**	
	Status at M18 and upcoming challenges and discussions towards M27 • 2.1 Inventory of source and supply and development of pure methane gas reference materials • 2.2 Diluted $\delta^{13}CH_4$ and $\delta^{2}H$-CH_4 in air gas reference materials • 2.3 Linking to the $\delta^{13}C$-CO_2 reference materials for an independent assessment of the accuracy and uncertainty of $\delta^{13}CH_4$ reference materials	Stefan
14:20-14:30	**Coffee Break**	
14:30-14:50	**WP4: Creating impact**	
	Status at M18 and upcoming challenges and discussions towards M27 • 4.1 Knowledge transfer • 4.2 Training • 4.3 Uptake and exploitation	Garry
14:50-15:10	**WP5: Management and coordination**	
	Status at M18 and upcoming challenges and discussions towards M27 • 5.1 Project management • 5.2 Project meetings • 5.3 Project reporting	Garry & Ruth
1510-15:50	**WP1: Next generation carbon dioxide isotope ratio gas reference materials**	
	Status at M18 and upcoming challenges and discussions towards M27 • 1.1 Develop pure carbon dioxide gas with $\delta^{13}C$- and $\delta^{18}O$-CO_2 values that are directly linked to the VPDB-CO2 isotope scale • 1.2 Next generation of CO_2-in-air gas reference materials • 1.3 SI realisation of carbon dioxide gas with $\delta^{13}C$	Harro
15:50-16:00	**Any Other Business**	
	End of Meeting	