PROGRAM DAY 1

	Breakup Room 1	Breakup Room 2
	Opening & Plenary sessions (chairperson Fausto Gallucci)	
9:00-9:30	All coordinators - Introduction to projects	
9:30-10:00	Dr. E. De Coninck (CTO ArcelorMittal) - The zero Emission Plant	
10:00-10:30	Dr. Walter Eevers (CO2 Value Europe)	
10:30-11:15	Coffee break and posters	
	Session 1A (chairperson Jose Luis Viviente)	***Session 1B (chairperson Camel Makhloufi)***
11:15-11:35	Dr. O. David - A review of the membrane development steps from material to final product	Dr. M. Noponen and Dr. X. Sun - High temperature electrolysis and co-electrolysis
11:35-11:55	Dr. V. Spallina - System simulation for integration of CO_2 capture technologies into steelworks and CCUS clusters	Prof. J Serra - Direct electrocatalytic conversion of CO_2 into chemical energy carriers in a co-ionic membrane reactor
11:55-12:15	Dr. M. Saric - Methanol membrane reactor: modelling and experimental results	Dr. V. Middelkoop - CO2Fokus at a glance: CO_2 utilisation focused on DME production, via 3D printed reactor and solid oxide cell based technologies
12:15-12:35	Dr. Adam Deacon - Realising the potential of MOFs through efficient scale-up	Dr. M. Tsampas - The KEROGREEN CO_2 plasma route to CO and alternative fuels
12:35-12:55	Dr. M. Etxeberria-Benavides - PBI based mixed matrix hollow fiber membranes for pre-combustion CO_2 capture	Dr. G. Bonura - 3D-printing in catalysis: Development of efficient hybrid systems for the direct hydrogenation of CO_2 to DME
12:55-14:00	Lunch break	
	Plenary session (chairperson Fausto Gallucci)	
14:00-15:00	Dr. Angels Orduna (Spire 2030)	
	Session 2A (chairperson Giampaolo Manzolini)	***Session 2B (chairperson Vesna Middelkoop)***
15:00-15:20	Dr. G. Garcia - LCA and TEA of the COZMOS technology	Dr. M. Sleczkowski and Dr. Pablo Ortiz - Turning gas separation membranes green with biobased block copolymers
15:20-15:40	Dr. A. Mattos or Dr. A. Mitchell - How can public policy and business model innovation be developed to address challenges of CCUS and realise the opportunity?	Dr. A. Benedito - CARMOF Project: a CO_2 capture demonstrator based on membrane and solid sorbents hybrid process
15:40-16:00	Dr. L. Engelmann - Perception of CO_2-based fuels and their production in international comparison	Dr. R.H. Heyn - Introduction to the COZMOS project
16:00-16:20	Dr. N. Dunphy - Social studies in REALISE project	Dr. L. Petrescu - Converge technology for efficiency methanol production with negative CO_2 emissions: energy and environmental analysis
16:20-17:05	Coffee break and posters	

	Breakup Room 1	Breakup Room 2
	Opening & Plenary Sessions (chairperson Fernanda Neira D'Angelo)	
9:30-10:00	All coordinators - Introduction to projects	
10:00-11:00	Dr. K. Bakke - Northern Lights – concept, plans and future	
11:00-11:45	Coffee break and posters	
	Session 3A (chairperson José Serra)	***Session 3B (chairperson Oana David)***
11:45-12:05	Dr. A. De Paula Oliveira - SER and SEWGS for CO_2 capture: experimental results	Msc. A. Sliousaregko - Industrial membrane requirements for CO_2 removal from different gas mixtures - Current practices and developments
12:05-12:25	MSc. S. Poto - Membrane reactors for DME production	Dr. I. Kim - Technologies demonstration in REALISE
12:25-12:45	Dr. U. Olsbye - Catalyst development within the COZMOS project	Dr. N. Kanellopoulos - Hybrid VTSA pilot plant and design of industrial demo plant for CO_2 capture
12:45-13:05	Dr. S. Krishnamurthy - CO_2 capture using 3D printed PEI adsorbents supported by carbon nanostructures	Mr. Paul Cobden and Prof. C. Abanades - Pilot preparation for demonstration in the C4U project
13:05-13:25	Dr. S. Perez - Process intensification in the conversion of CO_2 with a milli-structured reactor	Mr. T. Swinkels - Decentralized FA based power generators
13:25-13:45	Dr. F. de Sales Vidal Vazquez - The KEROGREEN syngas route to alternative fuels and chemicals	Dr. L. Roses - Design and development of a membranebased post-combustion CO_2 capture system
13:45-14:30	Lunch break	
14:30-15:30	***Round table and questions - closure (chairpersons Fausto Gallucci and Fernanda Neira)***	