

## 2<sup>ND</sup> INITIATE WORKSHOP: “CCU MODELLING APPROACH FROM MICRO TO MACRO ASSESSMENT”

26<sup>th</sup> of September, 10 - 11.35 am (CET)

The second INITIATE workshop will discuss the methodology to be adopted for performing a techno-economic assessment. Techno-economic assessment is a common approach to identify the potentialities of innovative technologies concerning the "business as usual" approach.

Starting from the key performance indicators (KPIs) definition, the calculation of the different parameters will be described together with the modelling tool which can be adapted to support the analysis.

Workshop Agenda	
10 – 10.15 am	<b>The INITIATE Project: The State of the Art and the Project's Objectives</b>  TBC
10.15 – 10.30 am	<b>KPIs and Modelling Overview: How to approach the Integration of Innovative Technologies and Define its Objectives</b>  <b>Q&amp;A</b>  Giampaolo Manzolini, Politecnico di Milano, <i>Full Professor</i>
10.30 – 10.50 am	<b>CORALIS Technoeconomic Approach from KPIs and Beyond</b> <b>TBC</b>  <b>Q&amp;A</b>  TBC
10.50 -11.05 am	<b>Micro Model Reaction: How to Model the Process at Micro Level Identifying the Most Relevant Aspects</b>  <b>Q&amp;A</b>  TBC
11.05 – 11.20 am	<b>Detailed Model of a CO<sub>2</sub> Capture Process: Definition of a Capture Process Characteristics and Performance</b>  <b>Q&amp;A</b>  Navid Khallaghi, University of Manchester, <i>Research Associate</i>
11.20 am – 11.35 am	<b>CO<sub>2</sub> Capture Process Integration: Final Modelling Step to Determine the Overall Plant KPIs</b>  <b>Q&amp;A</b>  Nicola Zecca, Politecnico di Milano, <i>PhD student</i>
11.35 am	<b>End of the Workshop</b>