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## PROMECA

PROCESS INTENSIFICATION THROUGH THE DEVELOPMENT OF INNOVATIVE MEMBRANES AND CATALYSTS

GRANT AGREEMENT NUMBER: 734561

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# PROMECA Workshop 2018: Membrane Development and Membrane Reactors TECNALIA. Mikeletegi Pasealekua 2, San Sebastián, July 13<sup>th</sup>, 2018. Spain

### 9:00 - 9:30 Registration/Coffee

9:30 – 9:45 Introduction to PROMECA  
**Vincenzo Palma** (University of Salerno, Italy).

9:45 – 10:30 Development of O<sub>2</sub> selective membranes  
**Francesca Drago** (Ricerca Sistema Energetico, Italy).

### 10:30 – 11:00 Coffee break

11:00 - 11:50 Membranes for gas separation and membranes reactors  
**David-Alfredo Pacheco-Tanaka & Oana-Cristina David** (TECNALIA, Spain).

11:50 - 12:35 Development of PEM electrolyzers for H<sub>2</sub> production  
**Yvonne van Delft** (Energy Research Center part of TNO, Netherlands).

12:35 - 13:05 Advanced structured catalysis with high thermal conductivity  
**Eugenio Meloni** (University of Salerno, Italy).

### 13:05 – 14:00 Lunch

14:00 - 14:30 Gas Separation by polymer membranes: Research activity and Industrial applications  
**Pluton Pullumbi** (AIR LIQUID, France).

14:30 - 15:00 BIONICO: Membrane reactors for biogas conversion  
**Niek de Nooijer** (Technical University of Eindhoven, Netherlands).

15:00 - 15:30 Techno-economic assessment for “green” hydrogen production from renewables  
**Giulio Galdieri** (Kinetics Technology, Italy) & **Jose-Antonio Medrano-Jimenez** (Technical University of Eindhoven, Netherlands).

15:30 - 16:00 Hydrogen for micro-CHP applications  
**Carlo Tregambe** (ICI Caldaie, Italy).

### 16:00 – 16:30 Coffee Break

16:30 - 17:15 Visit to TECNALIA

17:15 – 17:30 Conclusions