

Exploitation of novel materials and membrane reactors

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Workshop « Catalytic Membrane Reactors, what's next? »

Petten, The Netherlands, 29–30 April 2015

Exploitation



- Objectives
 - Facilitate partners in exploiting CARENA results
 - Broaden exploitation to external applications
 - Define user benefits and route & funding for exploitation
- Tools
 - Workshops → ‘Catalytic Membrane Reactor, what’s next?’, 29-30 April 2015, Petten, NL
 - Innovation Leaflets

Innovation Leaflets

- **Purpose**

- Raise external interest with the objective to:
 - Valorize IP through licensing, sales of patent rights, ...
 - Attract future partners for further development of the technology
- Opportunity to advertise achievements

- **Application**

- CARENA final workshop
 - 29-30 April 2015 in Petten, NL
- CARENA public website
- Publication on other central networks, such as the European Enterprise/Business Network
- Partner's own purposes



Innovation Leaflets

No.	Type	Title	Partner
1	Technology offer	Size selective catalysis in metal catalysis by molecular sieving in membrane nanoreactor	CNRS-IRC
2	Technology offer	Prediction of oxygen flux in perovskite type membrane from measurement on powder	CNRS-IRC
3	Technology offer	Integrated membrane reactor for enhanced methane steam reforming	ECN
4	Technology offer	Novel metal-organic framework (MOF) membranes for H ₂ separation	Hannover
5	Technology offer	Novel zeolite membranes of type SOD fro H ₂ O separation	Hannover
6	Technology offer	iPOSS [®] membranes	UTwente
7	Technology offer	Membrane based propane dehydrogenation process for propylene production	KT
8	Technology need	Membranes for coke free removal of H ₂ from a C ₃ H _x mixture	KT
9	Technology offer	Conceptual design methodology for catalytic membrane reactors	PDC
10	Technology need	Membrane supports for H ₂ selective Pd membranes manufactured by sputtering	Acktar