



# Towards Sustainable Process Industries

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**Successful R&I in Europe 2024 - 11<sup>th</sup> European Networking Event**  
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## ➤ **Deep Knowledge of Whole Process Development**

- conceptual process design
- process system integration
- computer aided process engineering software (CAPE)
- artificial intelligence (AI, ML)
- scale-up
- technical feasibility
- techno-economic assessment (TEA, CBA, CAPEX, OPEX, ROI, NPV)
- environmental life cycle assessment (LCA)
- guidance of research

# Experience



## ➤ **Successful R&I in Europe**

- FP6 - (collaborative projects)
- FP7 - (collaborative projects)
- H2020 - (collaborative projects, Marie Curie projects)

## ➤ **Workpackage Leader**

## ➤ **Expert Evaluator in Horizon Europe**

# Interests

## ➤ Topics

- carbon capture, storage and/or utilisation (CCS/CCU)
- green fuels and chemicals (bio, renewable, alternative)
- biorefineries (energy, fuels, chemicals, active components)

## ➤ Examples of Finalised H2020 RIA Projects

- NANOMENC2, see: [www.nanomemc2.eu](http://www.nanomemc2.eu)
- FALCON, see: [www.falcon-biorefinery.eu](http://www.falcon-biorefinery.eu)
- FLEXI-GREEN FUELS, see: [www.flexigreenfuels.eu](http://www.flexigreenfuels.eu)

# What are we looking for?



- **New consortia under construction ...**
- **... to join forces and to collaborate ...**
- **... on successful proposals and projects ...**
- **... to work on the transition of the process industries:**
  - fuels, chemicals, cosmetics, pharmaceuticals, food,  
iron and steel, cement, glass, ceramics etc.

# Let's discuss opportunities



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