



Horizon2020 Information Days on Public-Private Partnerships

Brokerage event
21 October 2014

Valorization of organics from waste water, and re-use

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High Performance Materials

World of high value and innovative solutions

- Specialty polyamides
- Fluoropolymers
- Adsorption/filtration (CECA)
- Organic peroxides



Industrial Specialties

Global and integrated industrial niches

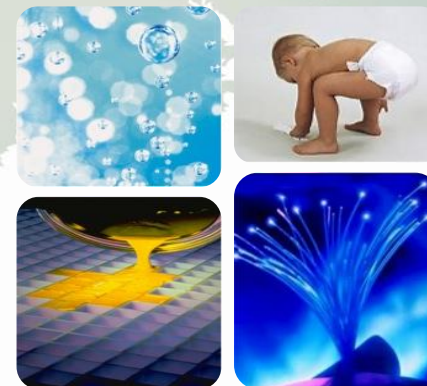
- Thiochemicals
- Fluorochemicals
- PMMA (Altuglas International)
- Hydrogen peroxide



Coating Solutions

Solutions for decorative paints, industrial coatings and high-growth acrylic applications

- Acrylics
- Coating resins
- Photocure resins (Sartomer)
- Rheology additives (Coatex)



Application domains

- Refrigeration
- Automotive and Transport
- Water & Environment
- Building
- Pulp & Paper treatment
- Food Industry
- Renewable Energy
- ...

Project idea

Manufacturing chemicals lends sometimes to generate waste waters :

- Dissolved organic compounds remain present as some extent in such waters,
- Their extraction and re-use in the process could bring benefits in term of environmental impact, and raw material savings

Reduce the wastes in process water is an important objective.

- Creating a « COD valorization tool » could create an improvement gap

The proposal is to take benefit from new technologies to define a process to separate & recover organic compounds (more precisely acid & alcohols) from the waters in order to purify & re-use them.

Expected impact

- The Stakes are in terms of raw material savings, and of environmental impact reduction.
- Reduction of COD in waste waters in earlier process steps will also decrease energy consumptions of water treatment processes from « Process to River » (link to water calls- EIP WATER)
- A such project can allow to recover several hundred tons of organics

PROJECT CONSORTIUM

- We are opened to participate in collaborative projects with
 - Companies having the same care.
 - Companies developping suitable technologies (membranes,...)
- The project is linked to:
 - KC1 (Feed). See KA1-2: Optimal valorisation of waste & side streams as feed.
 - KC4 (W2R).
 - See KA4-3 topic2: Technologies for treatment of process & waste streams for re-use & recycling.
 - See KA4-2 topic8: New technologies for selective separation of valuables from process industrial waste water.

CONTACT DETAILS

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