iCAREPLAST

INTEGRATED CATALYTIC RECYCLING OF PLASTIC RESIDUES INTO ADDED-VALUE CHEMICALS

D9.4 Learning resources to be uploaded to the project website

Document Information

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Project Information

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SPIRE Sustainable Process Industry through Resource and Energy Efficiency

Executive Summary

The present public document is an index to collect the learning resources developed by the academic partners until Month M42 of iCAREPLAST. It includes links to the YouTube videos. According to the Grant Agreement (GA) these training pills are published on the project website and open access.

TABLE OF CONTENT

1. INTRODUCTION

Learning resources have been developed by the academic partners as a series of training pills oriented to students and more general public. With this objective, partners developed short videos addressing the following topics:

- iCAREPLAST: Innovative plastic waste treatment (developed by partners from CSIC);
- Pyrolysis of plastic wastes (developed by partners from IC);
- Organic solvent nanofiltration (developed by partners from UT);
- Oxycombustion with O_2 extracted from air using membrane technologies and CO_2 capture (developed by partners from CSIC);
- Energy, material and resource efficiency, and holistic life cycle management applied to industrial process and recycling technologies (developed by partners from TUBS).
- Digital twins and surrogate models applied to recycling technology and processes (developed by partners from UPV);

2. SERIES OF TRAINING PILLS

2.1 *iCAREPLAST: Innovative plastic waste treatment*

https://youtu.be/6qKY3S0RoU0

2.2 *Pyrolysis of plastic wastes*

https://youtu.be/RZzuJzS0kiM

2.3 *Organic solvent nanofiltration*

https://youtu.be/CNriVk387Q4

2.4 *Oxycombustion with O_2 extracted from air using membrane technologies and CO_2 capture*

https://youtu.be/iuPkibO6IYI

2.5 *Energy, material and resource efficiency, and holistic life cycle management applied to industrial process and recycling technologies*

https://youtu.be/rGEMHYiB-eA

2.6 *Digital twins and surrogate models applied to recycling technology and processes*

https://youtu.be/n9LVhvLzm_0