



Deliverable 6.8

Final PEDR- plan for exploitation and dissemination of GreenSolRes results

**Demonstration of solvent
and resin production
from lignocellulosic biomass
via the platform chemical
levulinic acid**

This project has received funding from the Bio-based Industries Joint Undertaking (JU) under the European Union's Horizon 2020 research and innovation programme under grant agreement No 720695. The JU receives support from the European Union's Horizon 2020 research and innovation programme and the Bio-based Industries Consortium



**Horizon 2020
European Union Funding
for Research & Innovation**

About GreenSolRes

The need to establish economic and sustainable large-scale operations for the conversion of renewable resources to chemical building blocks is becoming increasingly urgent in the context of climate change and depleting fossil fuel reservoirs. Pathways for manufacturing of bio-based fuels and chemicals have been developed but often rely on sugar and starch crops for feedstock. The European Demonstration project - GreenSolRes aims at a sustainable and competitive industrial production of the platform chemical levulinic acid (LVA) from non-food lignocellulosic biomass. Further, the conversion of LVA and LVA esters into industry relevant building blocks γ -valerolactone (GVL), 1-methyl-1,4-butanediol (MeBDO) and 2-methyltetrahydrofuran (2-MTHF) will take place by new catalytic methods developed during the course of this project. Finally, these chemicals will be upgraded to solvents and resin monomers to produce high added value adhesives and consumer products.

Project Coordinator



Project Office



Consortium



About this document

Deliverable N°:	6.8	
Title	Final plan for exploitation and dissemination of GreenSolRes results	
Workpackage:	6	
Responsible beneficiary:	SYNCOM	
Author:	Mini Bajaj and Klaus Lenz	
Reviewers:	All partners	
Version:	1.0	
Due date of deliverable:	31.12.2021	
Version date:	10.01.2022	
Nature:	Report	
Review status	WP leader accepted	18/01/2022
	SC accepted	18/01/2022
	Coordinator submitted	18/01/2022

Dissemination Level		
PU	Public	
CO	Confidential, only for members of the consortium (including the Commission Services)	X

Publishable Summary

The GreenSolRes project investigated the production chain from lignocellulosic feedstock to Levulinic acid (LVA) and aimed for upscaling the process to favour the commercialisation of the process in a first industrial scale plant after the end of the project. The competitiveness of the LVA value chain has been studied in terms of costs, environmental impact and technical performance. Technical optimisation of the process resulted in improvements of the economics and led to the basic engineering package for a 50 kta LVA plant. Data related to process chain pathways are confidential and intellectual property of GreenSolRes is under protection before dissemination of results by the consortium takes place. This deliverable describes the final plan for the exploitation of the project results and the activities that were carried out during the project to disseminate project information and raise awareness among stakeholders, scientific community, policy makers, potential clients, consumers, investors and civil society.

This document outlines the strategies of the consortium for the exploitation of results generated by project partners in R&D related work packages. The important exploitable results are described in this report.

The dissemination activities included the creation and maintenance of the project website, publications in open access journals, contributing to international conferences and publications in its proceedings, print media, online press releases, distribution of information materials etc. The project website www.greensolres.eu has been released since December 2016. It highlights project objectives, framework, consortium profile and relevant information, which is updated regularly with project news and announcements. In addition, non-confidential summaries of deliverables are available for download on the project website. To disseminate latest project results and to attract stakeholders, one workshop on “Feedstock flexible chemical bio refinery concepts and a special “Stakeholder information day” were conducted by RWTH at its Center for Next Generation Processes and Products (NGP²) as online events on 01.02.2021 and 30.11.2021, respectively.

A detailed list of disseminating activities by the consortium members during >5 years of the project are presented in this document.