



Lowering Costs by Improving Efficiencies in Biomass Fuelled Boilers: New Materials and Coatings to Reduce Corrosion

Edition: June 2023

Dear Readers,

Every 4 months a newsletter is shared with all stakeholders and the scientific community that are involved and or interested in the field of bioenergy, including plant developers, plant operators, and technology suppliers, as well as governmental bodies. Furthermore, members of the public who are interested in one or more of the topics related to BELENUS, such as bioenergy and materials engineering, will also gain from these newsletters.

They cover the overall project progress, special topics, news, relevant impacts, information and where to meet us in person at important events.

We invite you to visit our website and get in touch, through the information available at the end of this document. Enjoy reading!

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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 815147.

BELENUS project was presented at The High Temperature Corrosion Gordon Research conference

“The High Temperature Corrosion GRC is a premier, international scientific conference focused on advancing the frontiers of science through the presentation of cutting-edge and unpublished research, prioritizing time for discussion after each talk and fostering informal interactions among scientists of all career stages. The conference program includes a diverse range of speakers and discussion leaders from institutions and organizations worldwide, concentrating on the latest developments in the field. The conference is five days long and held in a remote location to increase the sense of camaraderie and create scientific communities, with lasting collaborations and friendships. In addition to premier talks, the conference has designated time for poster sessions from individuals of all career stages, and afternoon free time and communal meals allow for informal networking opportunities with leaders in the field.”
<https://www.grc.org/>

During the poster session, the BELENUS project was disseminated with the items showed in Figure 1.

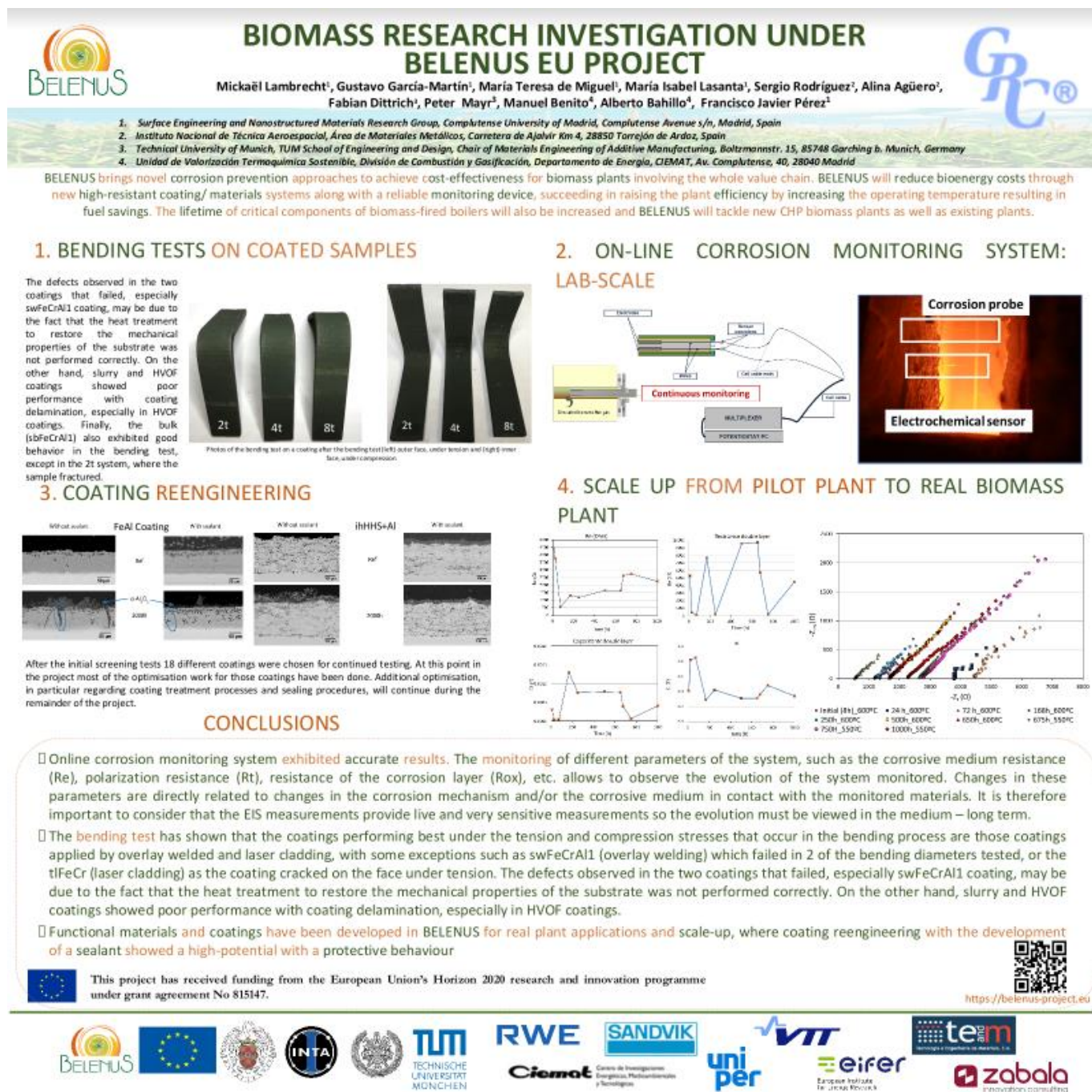


Figure 1 - BELENUS project poster for the GRC 2023



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This opportunity permitted to show the interesting results of the BELENUS project about the online monitoring corrosion developed, for further applications in real-scale biomass power plants, then the selection method of the coating filtered by necessary bending testing, and finally, the development of functional materials and coatings with coating reengineering with a protective sealant.

Sectorial Breaking News

Date	Headline	Source
22 nd February 2023	New Zealand's Genesis Energy announces "successful biomass trial"	Bioenergy-news
3 rd March 2023	Canadian government invests \$35m in biomass generation facility	Bioenergy-news
27 th March 2023	Indian government will "fully implement" Biomass Co-Firing policy	Bioenergy-news
13 th April 2023	Marubeni developing 10-MW biomass project in Japan	Renewables now
28 th April 2023	Biomethane supplier ReFuels plans listing on Euronext Growth Oslo	Renewables now
5 th May 2023	Brazil's Sengi Solar plans green hydrogen plant in Parana	Renewables now
17 th May 2023	E Summit Agricultural plans ethanol-to-jet fuel plant in US Gulf Coast	Bioenergy-news

Remarkable Upcoming Events.

1. INTERNATIONAL CONFERENCE ON BIOMASS AND BIOENERGY 2023

- 06-07 August 2023
- Bogor, Java

ICBB 2023 brings together academics, researchers, and industrial experts in the field of biomass and bioenergy to a common forum. Nowadays, demand for energy is growing. Fossil resources face supply constraints and concern about economics and climate change have become widespread.

Bioenergy is the answer to energy security, energy transition from fossil energy to more environmentally friendly energy and fulfillment of greenhouse gas (GHG) emission reduction targets. The huge potential of biomass can be utilized for the development of bio-based products and bioenergy with higher added value and be expected to contribute to the achievement of sustainable development goals (SDGs), Sustainable Energy Transition and Bioeconomy.



2. ASEAN Bioenergy and Bioeconomy Conference 2023



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- 31st August 2023
- Bangkok, Thailand

The first ABB conference was organized in 2017 with focus on sustainable management and partnership. Since then, ABB conference promoted the exchange of knowledge of bioenergy and bioeconomy, providing opportunities to update database, status and situation in ASEAN countries. The conference has a strong participation of researchers, private sectors, business developers and policy makers and has been an important platform for a dialogue between academic and industrial scientists and technologists.

ABB Conference

August 31st, 2023

3. Global Congress on Advances in Biofuel and Bioenergy Research and Technology 2023

- 14 September 2023
- London, United Kingdom

The tech to power our planet with net-zero energy is available today. WIRED and Octopus Energy are bringing together global leaders and thinkers from energy and technology to show how we can make the switch in less than a decade.



Stay in contact with us. Visit our website.

BELENUS website www.BELENUS-project.eu is available since the early beginning of the project. It shows the scope and objectives of the project along with outstanding results. You can find out more interesting information about the project and the impact of the results achieved, including all dissemination activities carried out.

If you have any question, feel free to drop us a line at contact@BELENUS-project.eu or on social medias

LinkedIn  and Twitter 



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