

HTCMARF, High-temperature corrosion of metallic boiler materials due to ash deposited from renewable fuels

About the project

The project comprises the analysis of different origins of ashes (from biomass and sewage sludge), especially taking into account the corrosive character of the studied ashes. Therefore, the most advanced instrumental techniques have been used to study the chemical composition of the ashes, and also to determine the wide range of parameters of the combustion process. Finally, the obtained results enabled identification of the corrosive risks depending on the chemical composition of fuel, and in consequence ash. The proposed research will ensure that the best choice of renewable fuel for the combustion process is made.

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**POLISH-NORWEGIAN
RESEARCH
PROGRAMME**



Narodowe Centrum
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This project is funded from Norway Grants in the Polish-Norwegian Research Programme operated by the National Centre for Research and Development No Pol_Nor/208189/105/2015