

FineFuture

MAY 2022 #19

FINE FUTURE PRESENTED AT THE SOCIETY OF ENVIRONMENTAL TOXICOLOGY AND CHEMISTRY (SETAC)

LCA is a consolidated methodology used by researchers and businesses in many fields to evaluate potential environmental impacts associated with different production systems. From the 15 to the 19 of May, the Society of Environmental Toxicology and Chemistry (SETAC), where LCA as a methodology was born, organized a hybrid conference in Copenhagen in hybrid mode (in situ + online). The conference comprised seven tracks, each discussing a topic related to the environment and toxicology.

One of these tracks was Life Cycle Assessment and footprint, in which Hazem Eltohamy from Politecnico di Milano (PoliMi) presented a poster about the work being carried out at PoliMi by Prof. Lucia Rigamonti's research team within FineFuture. The poster named "GOAL AND SCOPE DEFINITION OF LCA APPLIED TO EMERGING TECHNOLOGIES: FINEFUTURE FLOTATION IN MINING INDUSTRY". The poster discussed the goal and scope definition phase of LCA applied to FF flotation technology within two case studies of FF project. As the LCA is applied to an emerging technology (i.e. FF froth flotation), it was presented in the session of "Prospective assessment of emerging technologies and emerging product systems in a life cycle perspective". The poster was more oriented toward methodological innovation given the scope of SETAC, which focuses more on LCA methodological development.

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SETAC EUROPE 32ND ANNUAL MEETING

GOAL AND SCOPE DEFINITION OF LCA APPLIED TO EMERGING TECHNOLOGIES: FINEFUTURE FLOTATION IN MINING INDUSTRY

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ANAR
Assessment on Natural
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INTRODUCTION

FineFuture (FF) project (<https://finefuture-h2020.eu/>) is an EU Horizon 2020 project (grant 821265). It aims at developing an innovative froth flotation technology in the mining sector that can recover valuable minerals from fine particles (below 20 µm in size) which are currently discarded as waste due to lack of adequate beneficiation technology. Nevertheless, this does not necessarily guarantee the technology's environmental sustainability. Therefore, a prospective LCA is being currently developed to compare current situation with future situation if FF technology is implemented. The prospective LCA goal and scope definition of two of the case studies in the FF project is illustrated in this poster.



WWW.FINEFUTURE-H2020.EU



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