

Partner Name	Partner Type	Supervisor	Country	Project Role Description – PhD 4
Italbiotec	Industry	Maurizio Bettiga	Italy	<p>Transition to a biobased economy: prospective LCA as a tool for critical guidance in technology development</p> <p>The fine chemicals industry is actively looking into how to reduce the environmental impacts of its activities. The aims of this project are to</p> <ul style="list-style-type: none"> A) assess the life-cycle environmental impacts due to the change from traditional, fossil-based chemical building blocks and solvents to their bio-based counterparts B) Assess alternatives that are at different TRLs for such changes C) Develop prospective LCA methodology in order to assess multiple chemical building blocks and solvents while accounting for the TRL of the technologies involved. <p>Case studies will cover situations for different building block chemicals and solvents that represent different technology readiness levels (TRLs). LCA methodology will be developed in a systematic way by taking a modular approach to setting up the various LCA models, and to account for differences in TRL by including future-oriented considerations regarding, e.g. the energy background system, in order to reflect time of implementation at an industrial scale.</p>
Chalmers	Academic <i>*ESR Host Location</i>	Matty Janssen	Sweden	

The ESR will be employed and hosted by Italbiotec (Milan, Italy) . Any queries on this post please contact Talent4BBI@biorbic.com

ESR's Recruitment Timeline Process										
M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13
Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22
Recruitment Call Open and Applications Assessed					Interviews	ESR's hired, move to hosts. Fellowships commence				
Month 13 - Month 60 - Fellowship Implementation										