







DECISION SUPPORT TOOL FOR ASSESSING VALUE CHAINS OF NANO-REINFORCED BIO-POLYMERS

Thayana Rigo¹, Dr. Marinella Tsakalova², Dr. Ioanna Deligkiozi¹, Maria Voumvoulaki¹, Dionisis Koutsantonis³, Konstantinos Koutsantonis³ ¹ AXIA Innovation, Munich Germany, ² EXELISIS, Athens, Greece, ³ RDC Informatics, Athens, Greece,

BIOMAC, European Sustainable BIO-based nanoMAterials Community, is a Horizon2020 project that will establish an Open Innovation Test Bed (OITB), a true collaborative ecosystem where technologies and solutions utilizing nano-enabled bio-based materials (NBMs) will be upscaled and prepared for market applications.

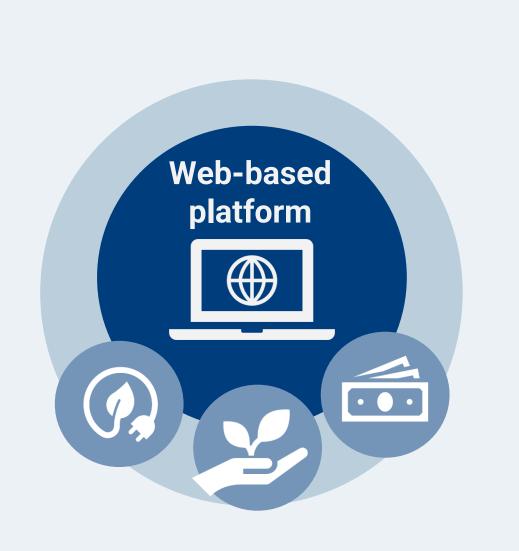


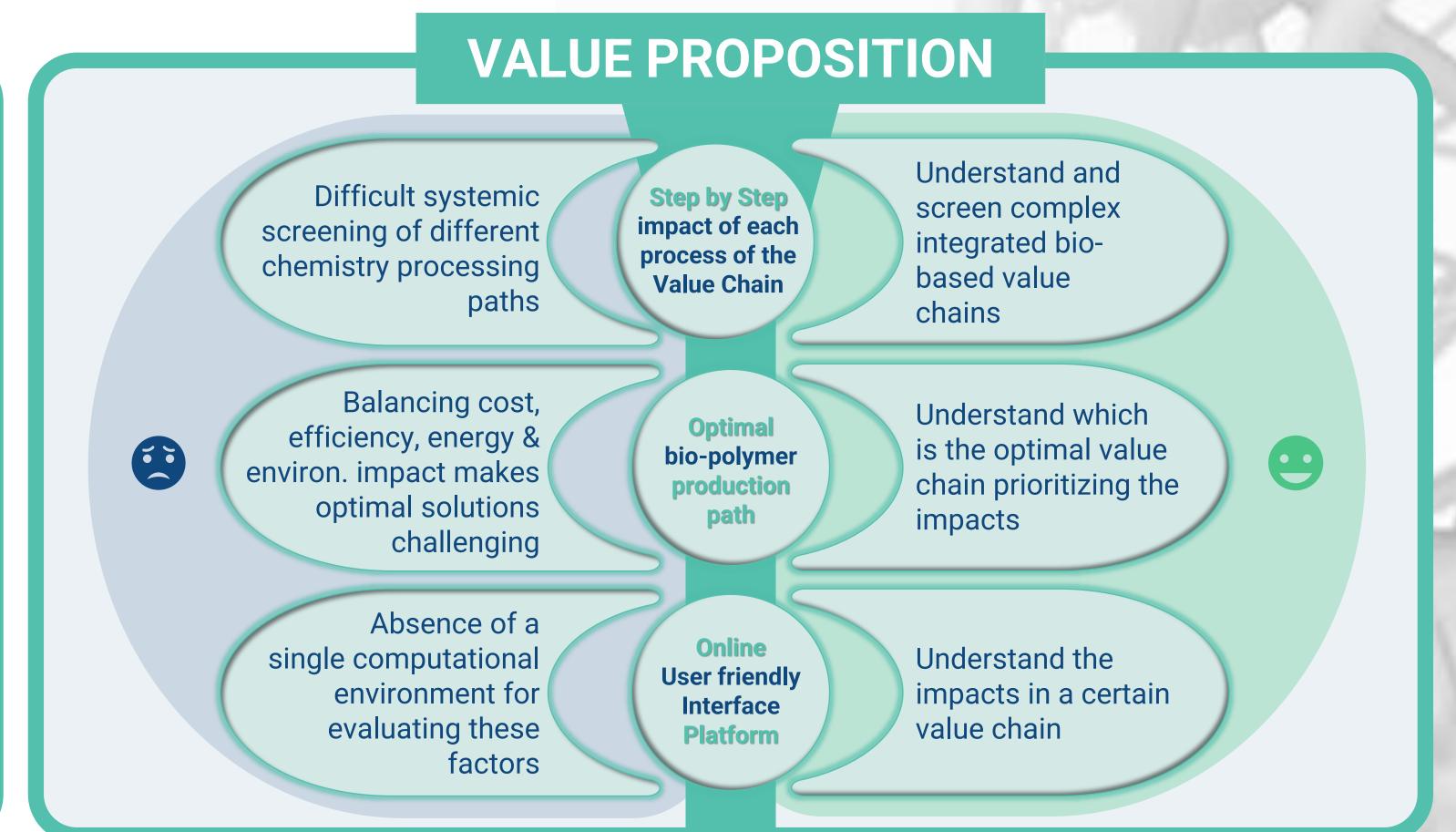
INTRODUCTION

In this complex landscape of biobased industry combined with nanotechnology, the key challenge is finding the best value chain path, balancing economic and environmental factors.

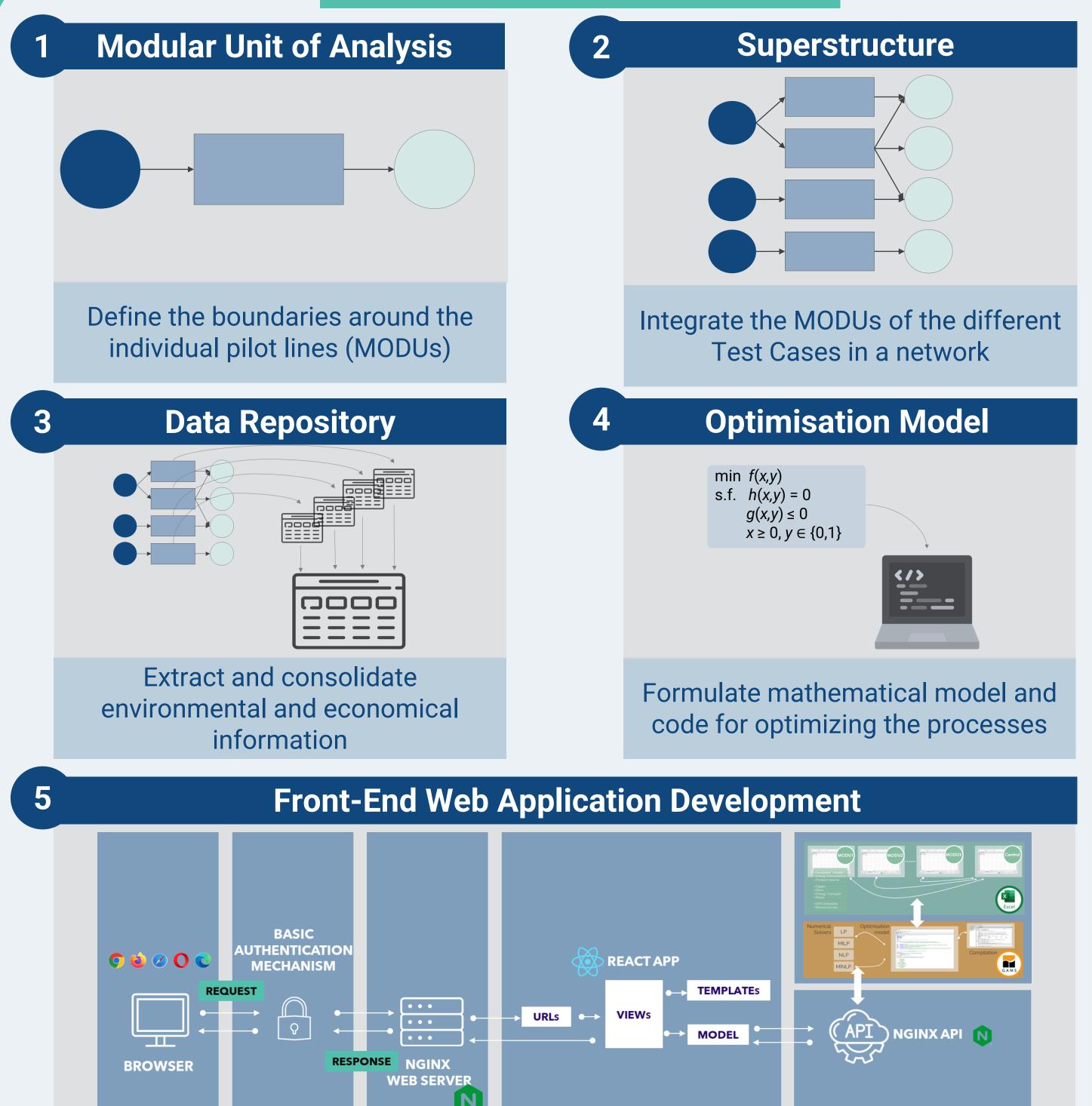
To address this challenge, the BIOMAC project has developed the **Decision Support Tool (DST)** to provide assistance.

This intuitive web-based platform tool will strategically assess sustainability and feasibility across various value chains to guide users effectively.









CONCLUSIONS

This Decision Support Tool serves as a valuable resource for users seeking deeper insights into the environmental and economic aspects in the nanoreinforced bio-polymer process. Through its advanced functionality, it empowers decision-makers to navigate complex scenarios and make informed choices that align with sustainability goals while maximizing profitability.



Contact:

Email:

Phone:

Website:





