



EIT Climate-KIC

International Development Lab on
endogenous resources in the wine value chain



Climate-KIC is supported by the
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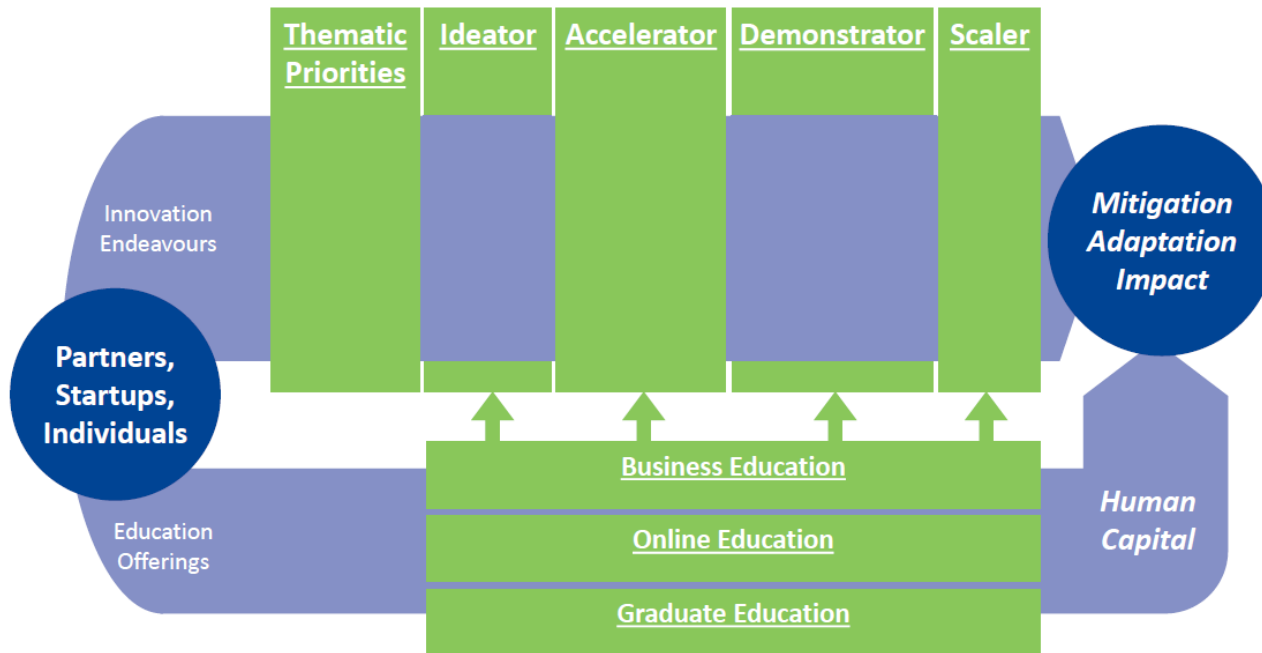
Diana Rodrigues, Luísa Pinto Ferreira | Anadia, Portugal | 19.06.2018

What is Climate-KIC?

- Climate-KIC is one of the first three Knowledge & Innovation Communities
- Created in 2010 by the European Institute of Innovation and Technology
- The EIT is an EU body whose mission is to create sustainable growth
- Climate-KIC supports this mission by addressing climate change mitigation and adaptation
- Climate-KIC brings innovation to market quickly by working with partners from across Europe – something they couldn't do on their own
- More than 300 partners
- Active in 28 countries



Innovation Framework



- Innovation calls open only for partners
- Portuguese partners: **FCT NOVA** and **BGI**
- Necessary to apply to become a partner
- Partners pay an annual fee
- Co-funding is necessary in most of the projects
- Reimbursement from 80% to 67% of total project costs
- **Systems perspective**

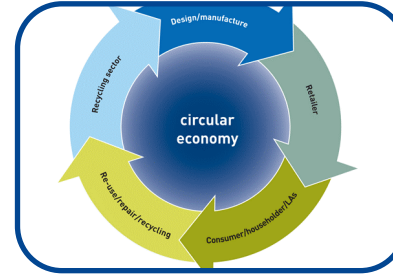
Relevant Impact goals



Make agriculture
climate-smart



Reform food
systems



Recast Materials
Production

Sustainable Land Use

- **Goal 4: Make agriculture climate-smart:** Instigate a substantial increase in the application of climate-smart agriculture solutions.
- **Goal 5: Reform food systems:** Transform climate-damaging food value chains and enhance the climate resilience of food supply.
- **Goal 6: Nurture forests in integrated landscapes:** Grow carbon sequestration in forests and linked value chains, while avoiding deforestation.

Sustainable Production Systems

- **Goal 7: Recast materials production:** Catalyse a switch to a circular economy and transform production for fossil-energy intensive materials.
 - **Goal 8: Reduce industry emissions:** Partner with key industry stakeholders in cutting scope 3 emissions to reach science-based targets.
 - **Goal 9: Reboot regional economies:** Transition carbon-intensive regions to become zero-carbon innovation hotspots.
-



WineDe**p**rot



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OBJECTIVE

Development of a sustainable alternative to bentonite

TYPE OF PROJECT

Pathfinder (43k €)

LENGTH

November 2017 – July 2018



TEAM

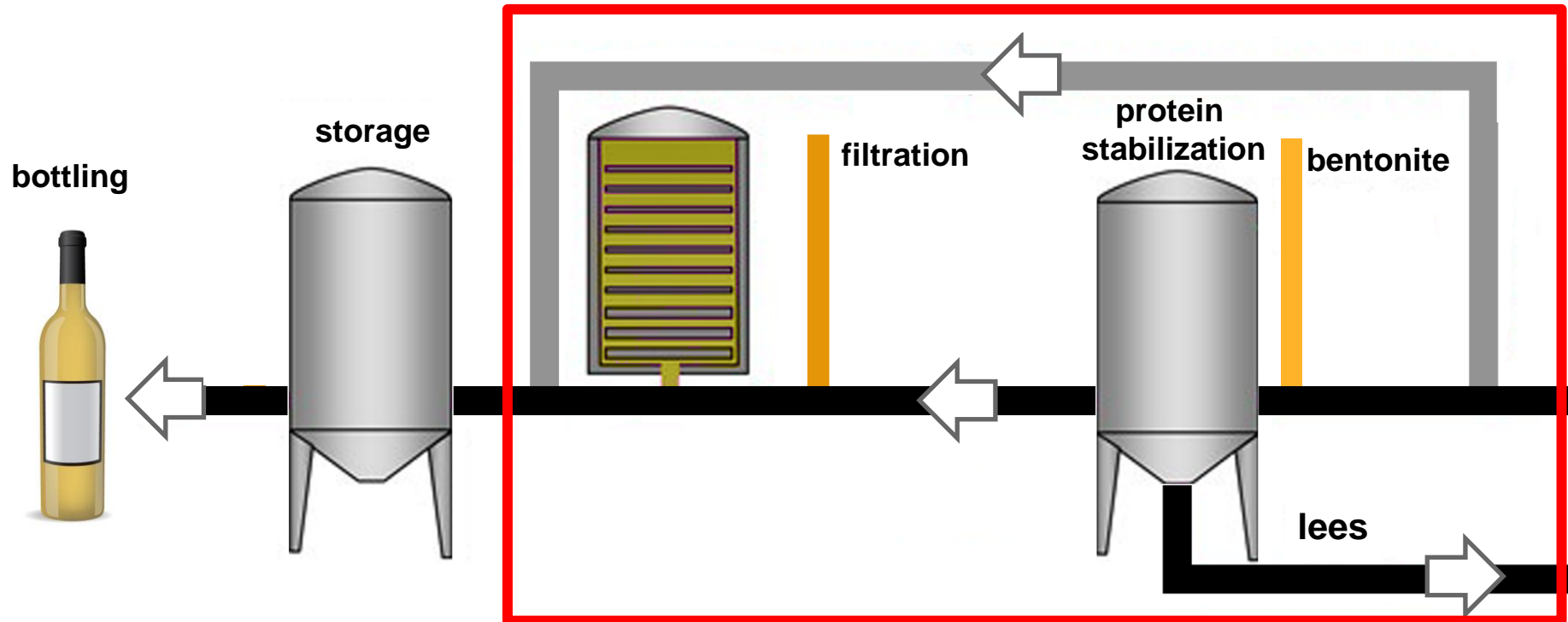
Professor Luísa Ferreira
Dr. Ricardo Chagas



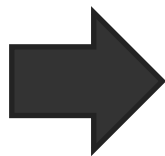
WHERE



REMOVAL OF UNSTABLE PROTEINS



**Wine waste
(1 a 10%)**

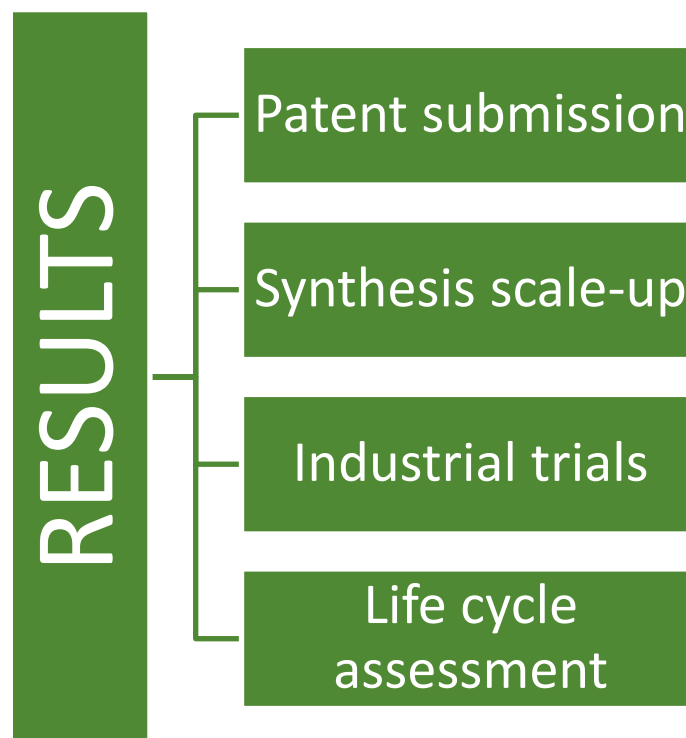
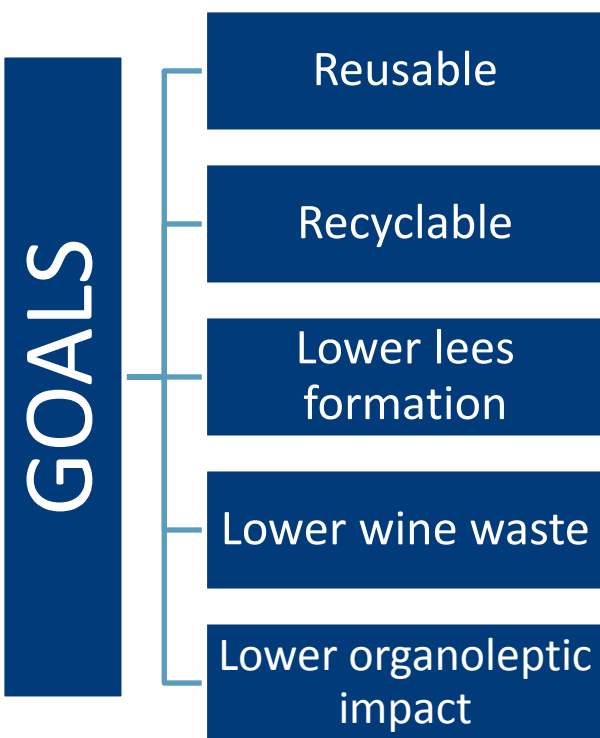


Energy waste, water and GHG emission

$0.8 - 2.5 \times 10^6$ kWh

$3.6 \times 10^4 - 2.25 \times 10^5$ tons of CO₂

(Majewski et al., 2011; Smyth & Russell, 2009)



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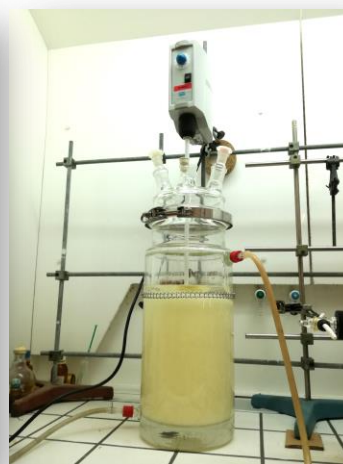
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Thank you!

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