

Hot topics in intercropping: achievements and challenges

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Intercropping to boost agroecology in European Agriculture

Conclusion







THIS PROJECT HAS RECEIVED FUNDING FROM THE EUROPEAN UNION'S HORIZON 2020 RESEARCH AND INNOVATION PROGRAMME UNDER GRANT AGREEMENT N. 727217





Hot topics in intercropping: achievements and challenges

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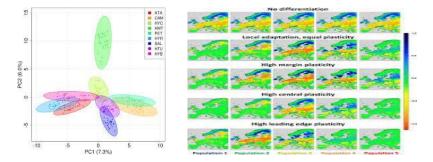




Achievements on Production from intercropping

Global understanding for local adaptation

 A reliable and secure crop production supporting EU protein plan





 Reduced dependence on agrochemicals and fertilisers compared to sole crops







Achievements on Boosting adoption/knowledge exchange

 Embracing the digital mindset including the need for myth busting

 Widening participation - Tools for intercropping as a project legacy

 Innovation across the whole supply chain and unlocking the agri-food chain











Achievements on Policy (European & National levels)

- Delivering robust intercrops for Policy goals
 - o EU Green deal
 - o EU Protein plan
 - Diversification of crops





European Conference on Crop Diversification September 18-21, 2019 Budapest, Hungary

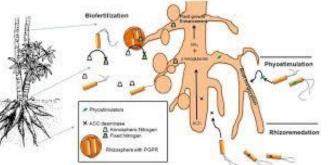




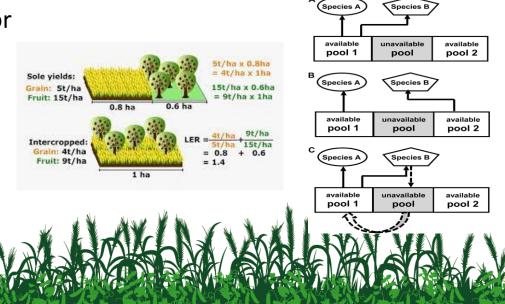
Scientific challenges

- Understanding the intercropping microbiome

 We need more relevant metrics for Triple I analysis (Intra-specific and Inter-specific Interactions in intercrop)







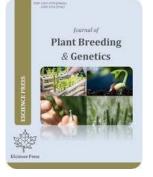




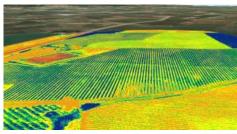
Practical challenges

- Selection of fit-for-purposes ideotypes for intercrop systems

 Precision farming and numerical agriculture for boosting intercropping development in Europe











Intercropping to boost agroecology in European Agriculture



Societal challenge

- Institutional change and capacity building across services and academia
 - Shift away from "input based" to "natural-based" solutions
 - New approaches in education for farmers and agricultural advisors





Intercropping to boost agroecology in European Agriculture



Societal challenge

- Institutional change across the supply chain "equipping different communities to change"
 - o New partnership needed

• From fork to farm paradigm?



PRACTICE

DOMAIN

wwe care about

ansis

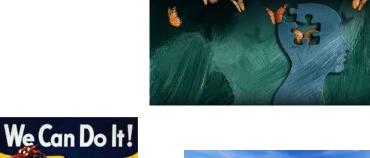
Intercropping to boost agroecology in European Agriculture

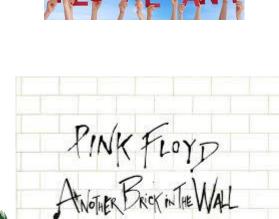
In conclusion

- Paradigm shift is needed

- Yes we can!

- Intercrop, just a brick in the wall!
- Intercrop just a brick in the wall





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