

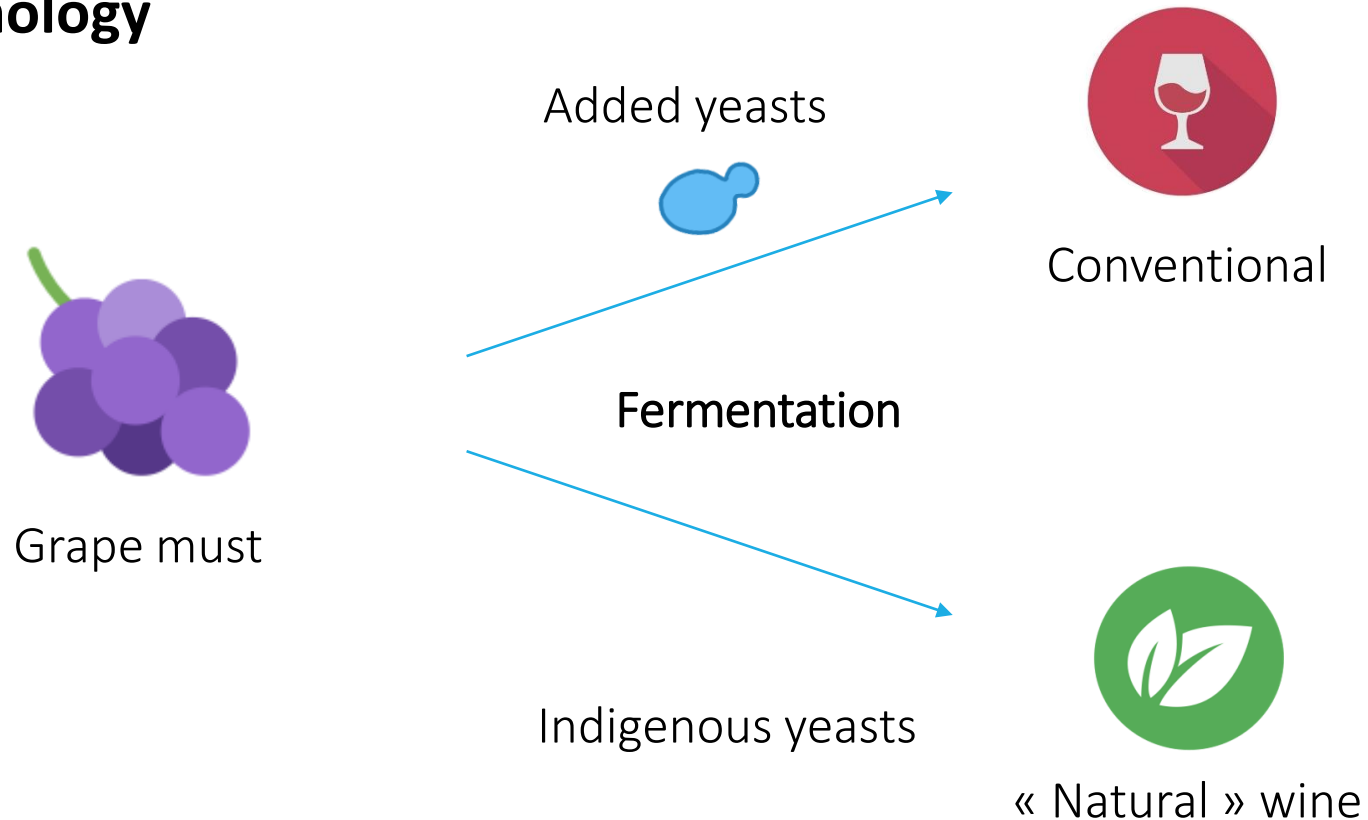
# Development of a model consortium of wine yeasts to explore the impact of diversity on wine fermentation

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LMO – October 2021 - Strasbourg

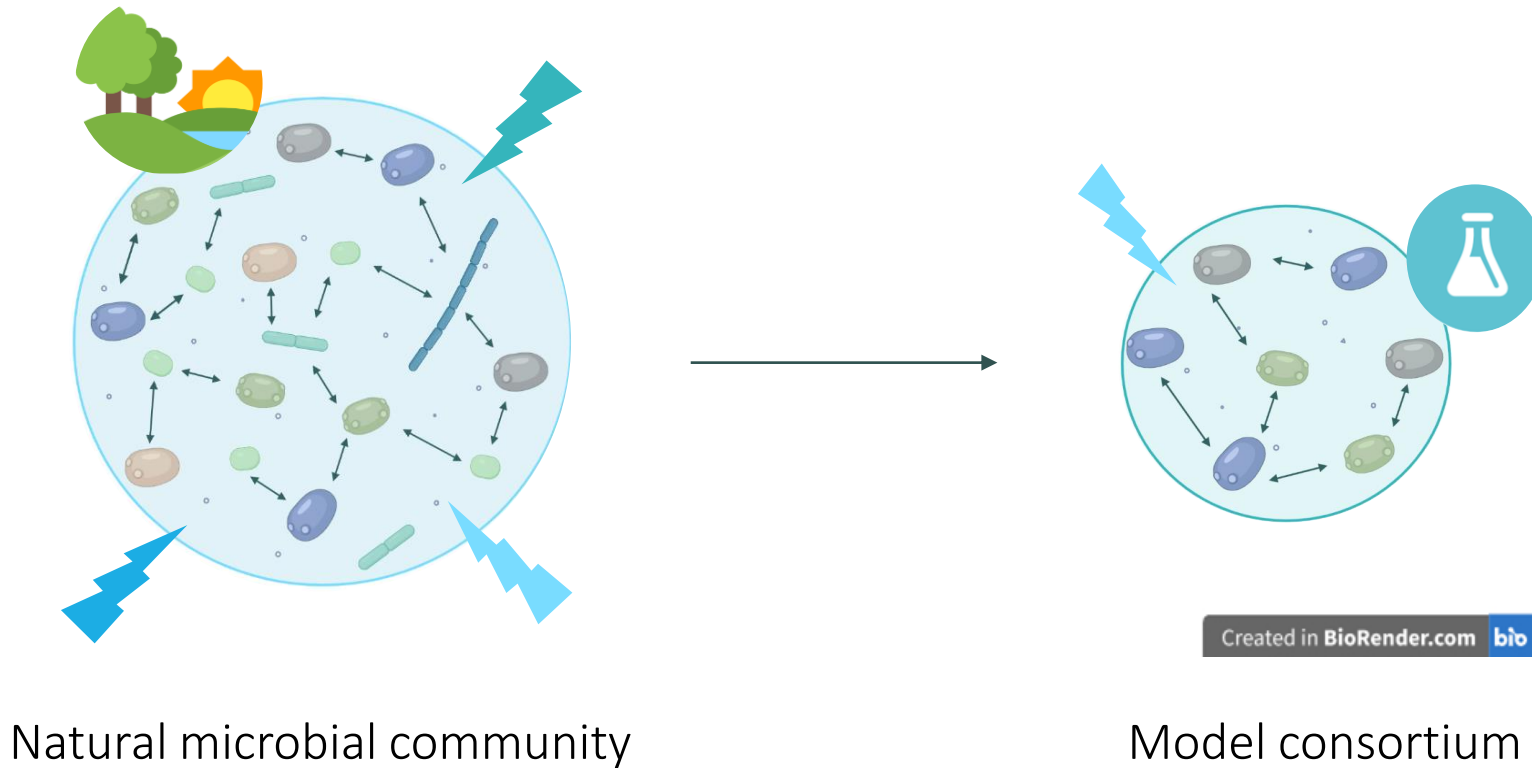
## Challenge in oenology



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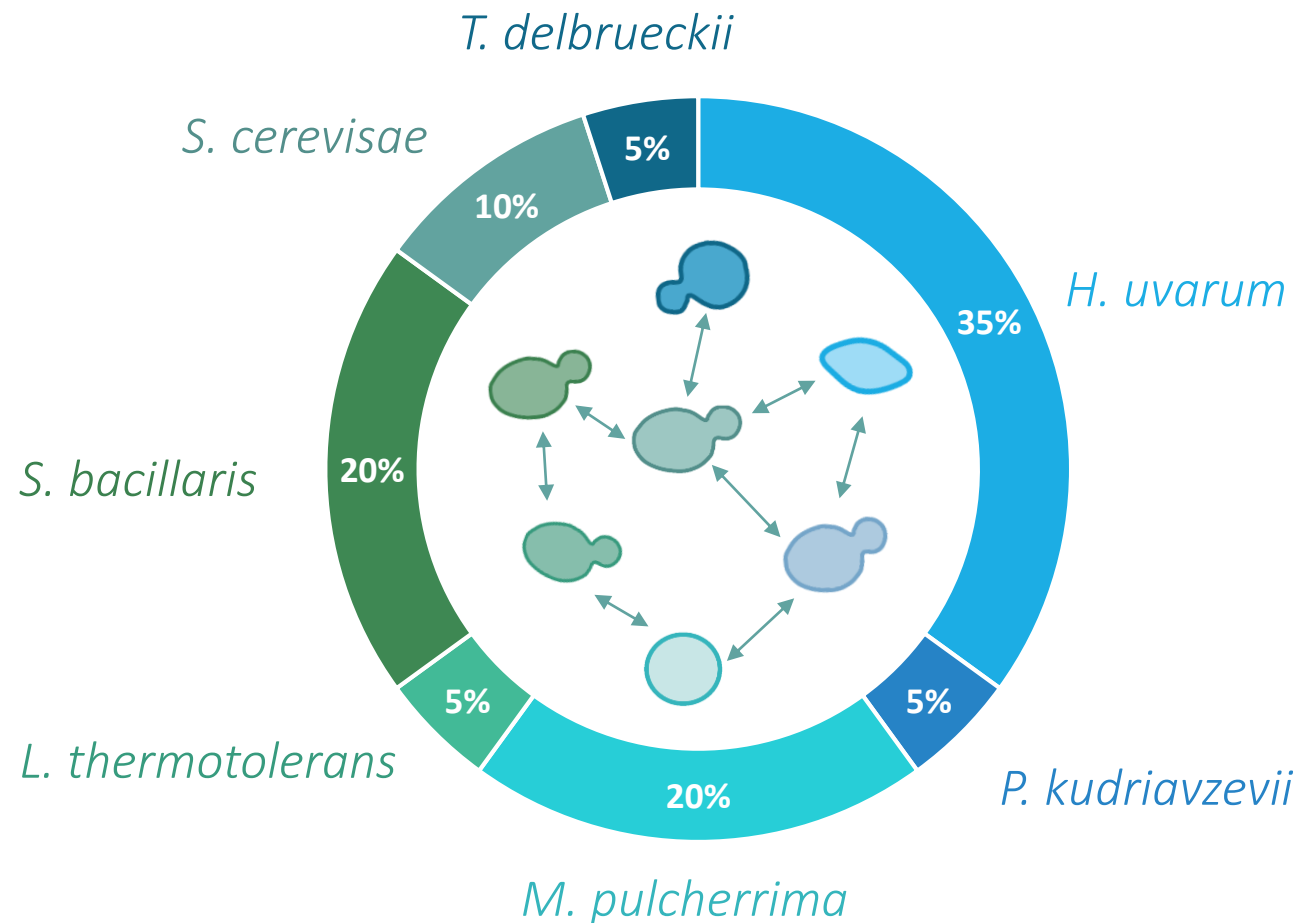
## Why building a model consortia ?



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## What is the composition of the consortium ?

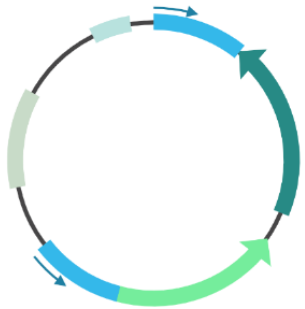


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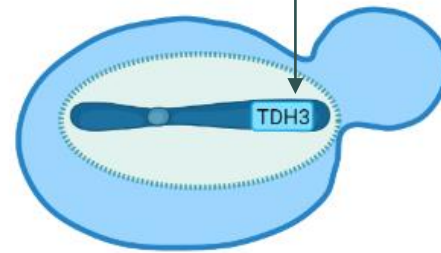
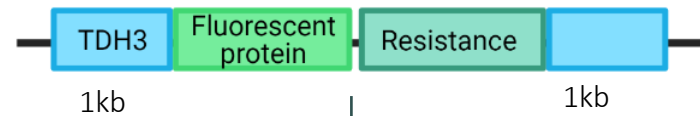
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## How to monitor each species during fermentation : tagging strategy

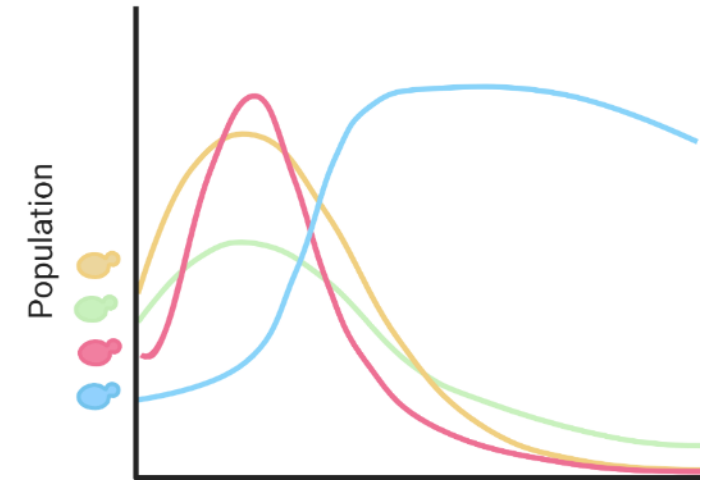
Plasmid construction



DNA fragment



Integration in the genome  
by **homologous recombination**



Fermentation time

Different species tagged  
with different fluorescence  
followed by **flow cytometry**