



## INTRODUCTION

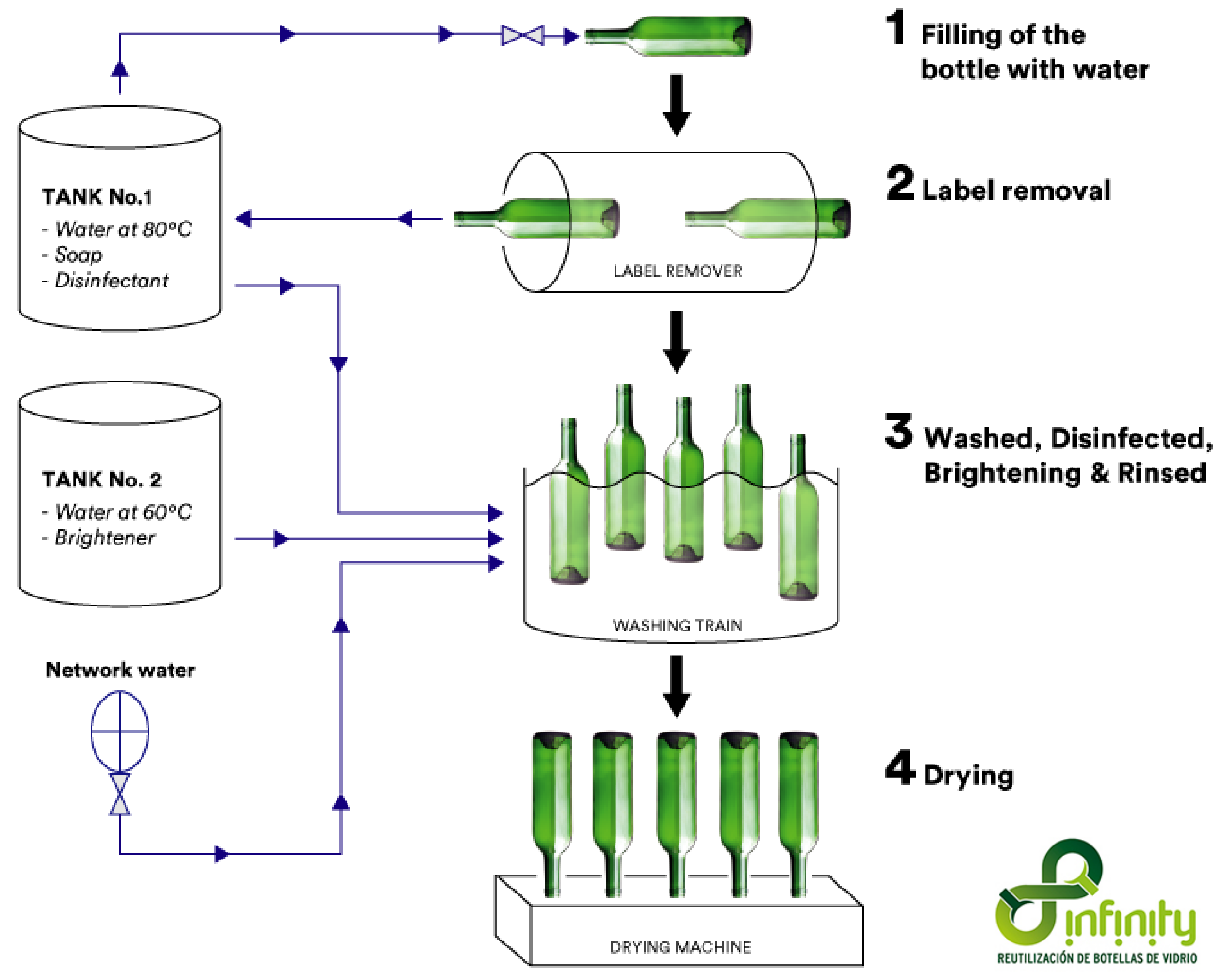
reWINE is a project that aims at promoting the reuse of bottles in the wine industry in order to reduce the production of waste, greenhouse effect gases, and provide cost savings for wine producers. The main objective is to demonstrate the viability of a sustainable system for the collection, cleaning and reuse of glass bottles in the Catalan wine industry.



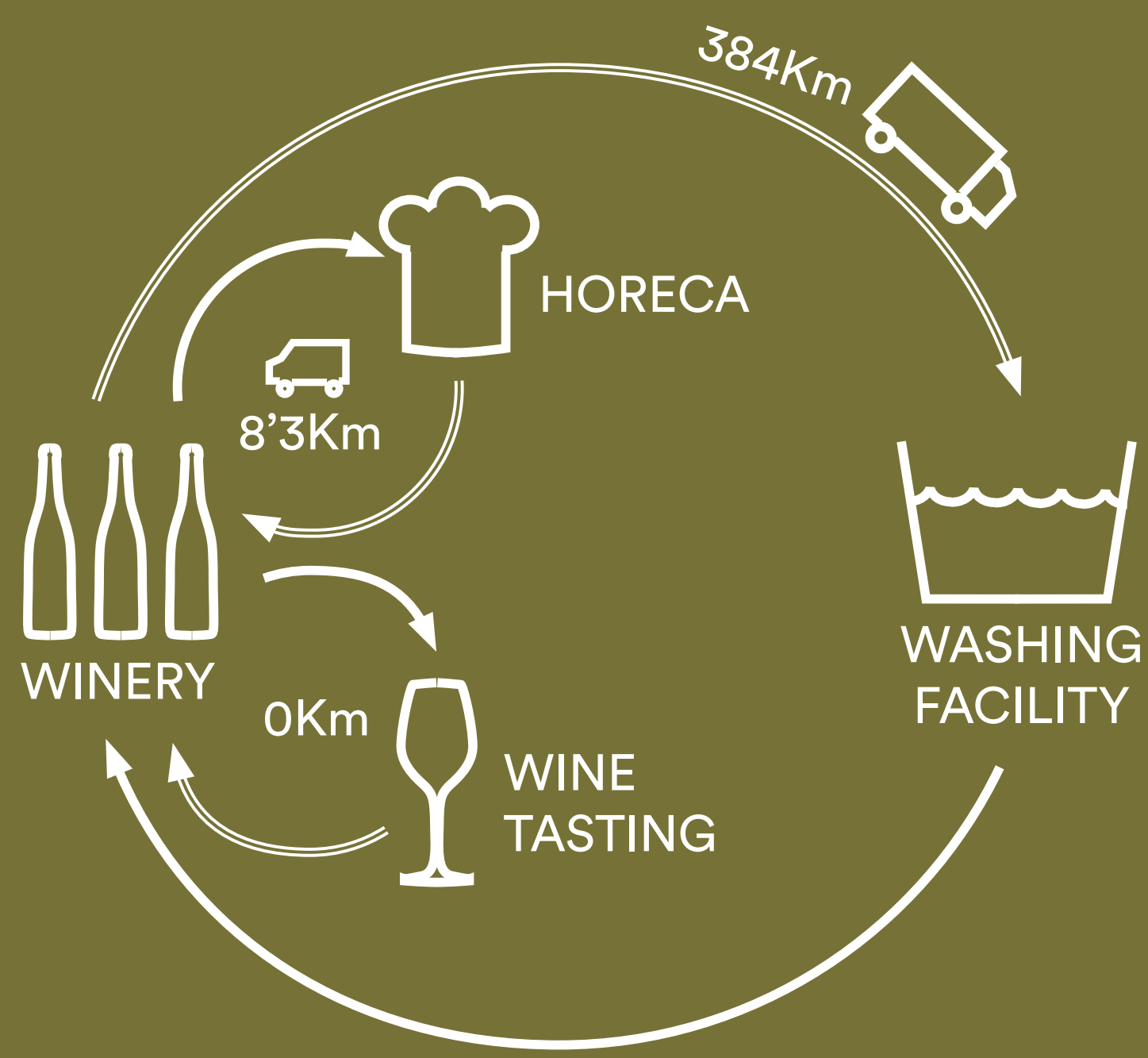
## METHODOLOGY

Life cycle assessment based on ISO14040:2016 and Carbon Footprint assessment (CF) has been conducted with the data obtained after performing 8 reuses of a limited sample of wine bottles for different scenarios, then comparing those results to the production of the equivalent new bottles and among scenarios.

## WASHING PROCESS



## SCENARIO N°1: COOP. FALSET MARÇÀ WINERY



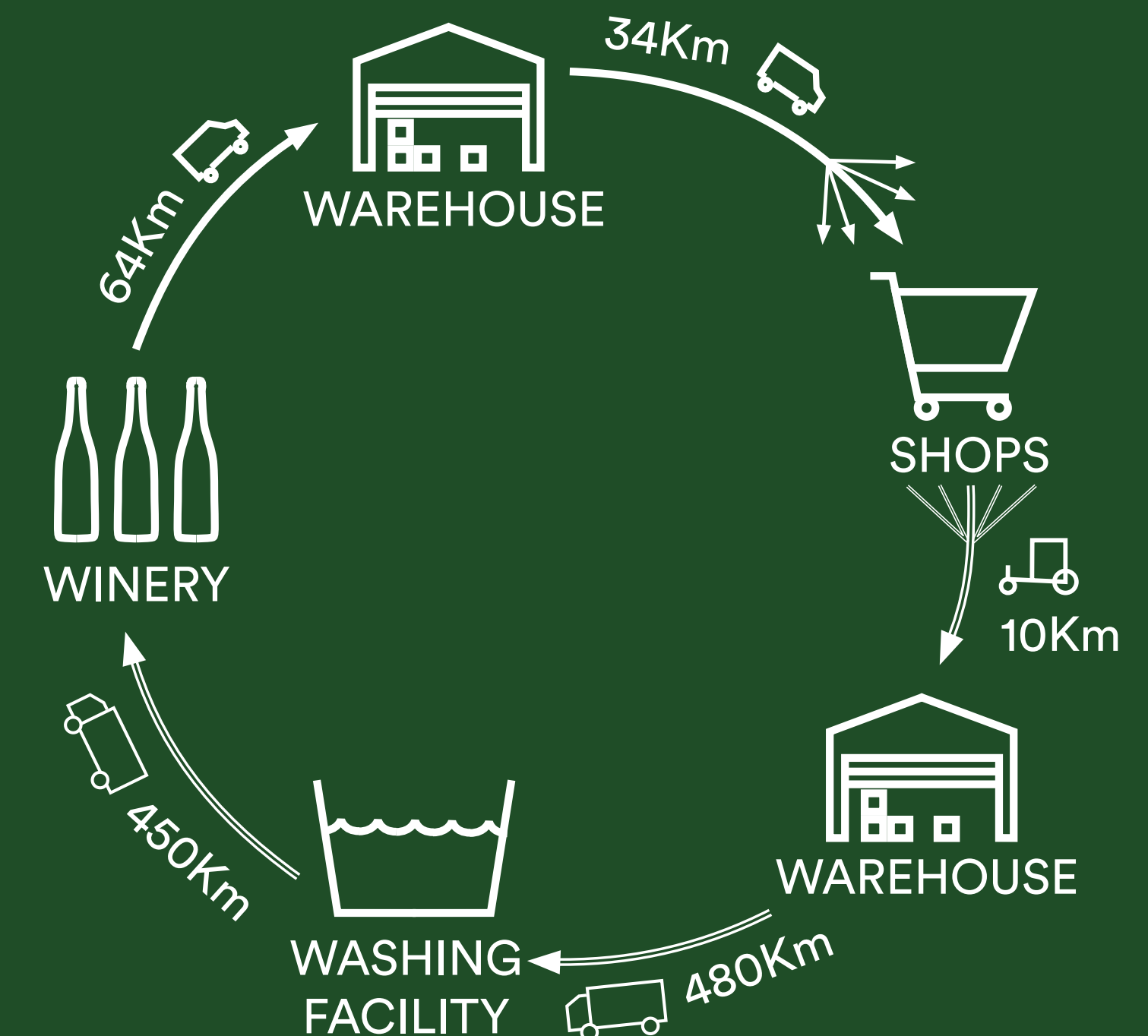
Global Warming Savings  
 x bottle (8 washings)  
 2'43Kg CO<sub>2</sub> eq 0'99Kg CO<sub>2</sub> eq

## SCENARIO N°2: VINS PRAVI WINERY



Global Warming Savings  
 x bottle (8 washings)  
 1'10Kg CO<sub>2</sub> eq 2'32Kg CO<sub>2</sub> eq

## SCENARIO N°3: ALBET I NOYA WINERY



Global Warming Savings  
 x bottle (8 washings)  
 2'56Kg CO<sub>2</sub> eq 0'56Kg CO<sub>2</sub> eq

## CONCLUSION

- 1#Washing process does not use chemical compounds a part from detergent (ecological).
- 2#Reuse of wine bottles presents significant CO2 savings (up to 2.3 kg of CO2/ bottle after 8 uses).
- 3#Reuse of wine bottle leads to lower environmental impacts for almost all the impact categories under assessment compared to the use of new bottles.
- 4#Reducing the distance between the winery and the washing facility will improve even more the results.



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 SCAN ME!



reWine project (LIFE 15 ENV/ES/000437) is supported by the EU under the LIFE funding programme.

