

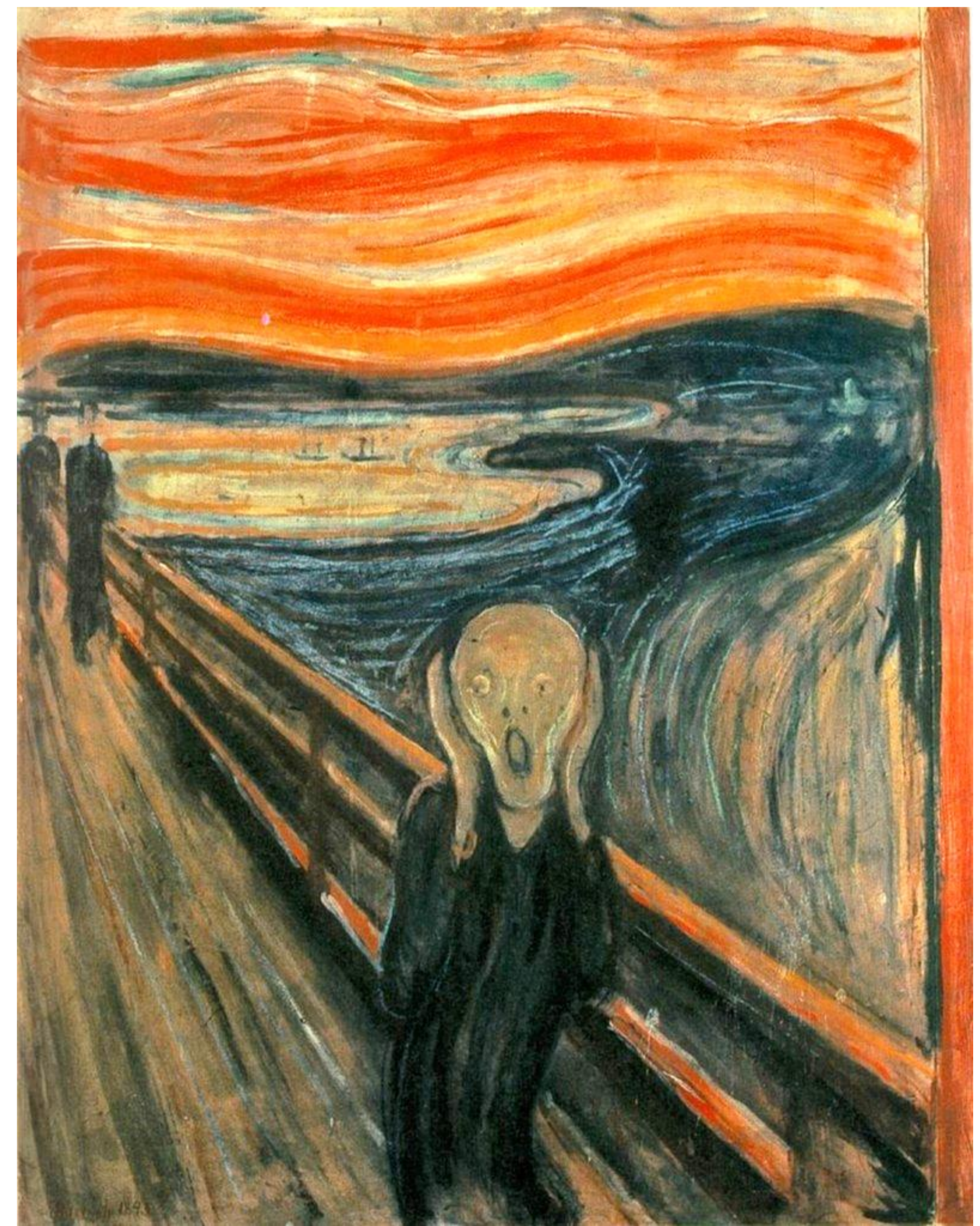
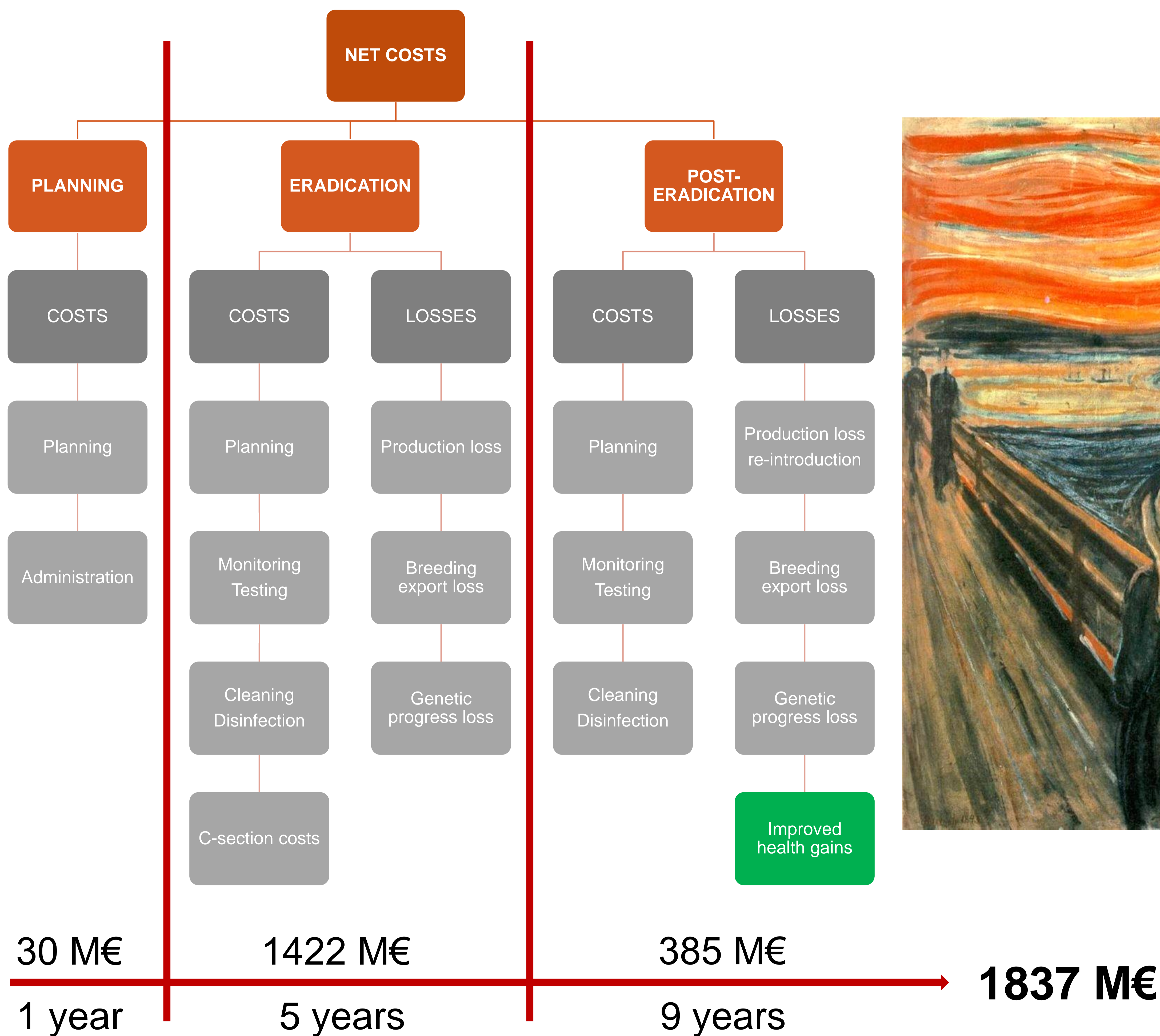
COST OF LA-MRSA ERADICATION FROM DANISH PIG HERDS

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OBJECTIVE: Estimate the total cost of conducting an eradication program for livestock-associated methicillin-resistant *Staphylococcus aureus* (LA-MRSA), with a high proportion of positive herds, by depopulation of all positive pig herds in Denmark.

How were the costs estimated?

- Gross margin analysis
- Conservative approach
- Prevalence 88%
- Timescale 15 years
- Discount rate 4%
- 5% re-introduction probability
- Full market and export recovery



Edvard Munch, "Skrik" 1893.

SENSITIVITY ANALYSIS:

- Timescale 20 years
- Discount rate 2%
- 25% reduction future export
- 10% re-introduction probability

CONCLUSIONS:

- Costs extremely high
- Associated benefits lower than costs
- Eradication of LA-MRSA seems not cost-effective
- Costs could reach 2.9 B€ (sensitivity analysis)



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