



LifeGOAST



**LIFE16 ENV/IT/000416**

G

Green

O

Organic

A

Agent

S

Sustainable

T

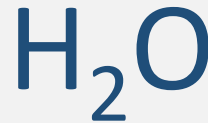
Tanneries



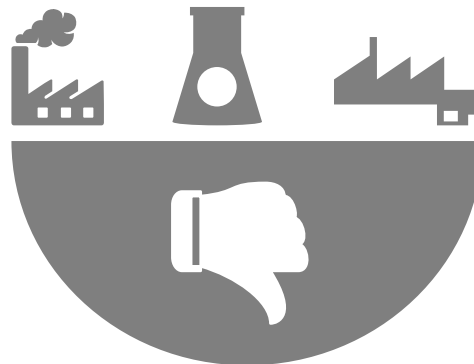
# TRADITIONAL CHROME TANNING



Biodegradable



Stable



# PROJECT GOAST TARGETS

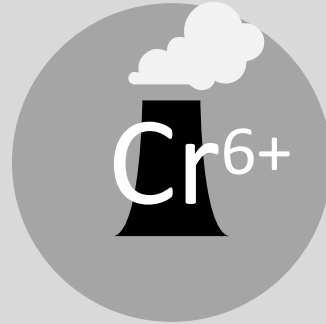
0 %



## TOTAL REPLACEMENT

Usage of Goast  
Polymer technology  
allowing to replace  
the totality of Chrome

0 %



## NO CONTAMINATION

No risk to turn Cr III  
into Cr VI highly  
harmful for life

19%



## IMPROVING WATER EFFUENTS

Waste water and sewage sludge can be  
disposed of and treated more easily by  
conventional process

10 %

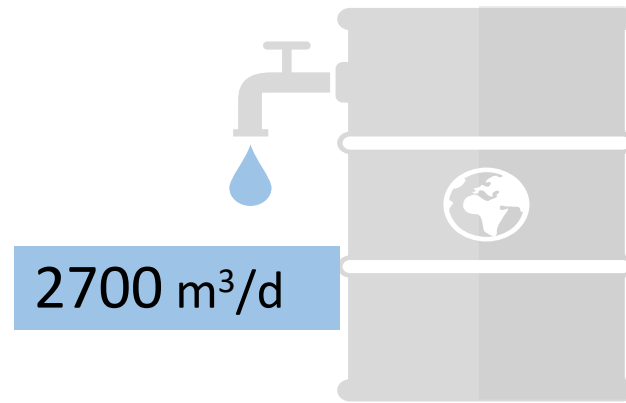


# REDUCE THE WATER CONSUMPTION

A big challenge

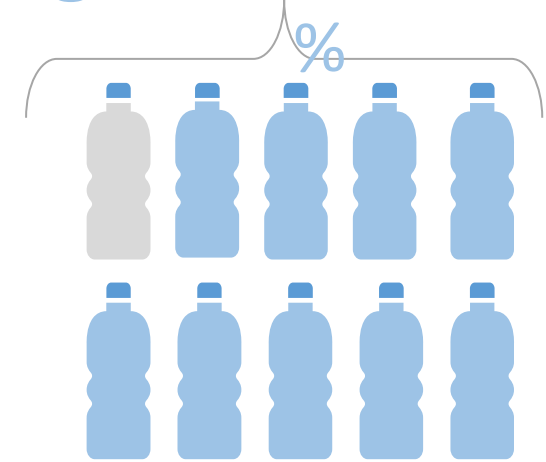
Water consumption on tanning.

9 m<sup>3</sup>/ton of fresh hides



Producing 300 Tones FH/day

Target Reduction 10



Saving of water 62.000  
m<sup>3</sup>/Year

- Barriers and Challenges

a Difficulties on project management

- Low Accountability
- Slow project initiation
- Distance between teams

B Technical problems

- Realise a new water treatment pilot plant
- Long finished leather lead time (6 wk)
- Long process validation
- Starting from a natural raw material

- Barriers and Challenges

C

Low process knowledge.

- Missing “state of the art”
- Brand new technology
- Not fully known process

D

Barriers to the change.

- Old Traditional process
- Usually bespoke process demanding
- Worried about cost increasing

- Solution and efforts

- 
- Team building activities
  - Precise scheduling of meetings

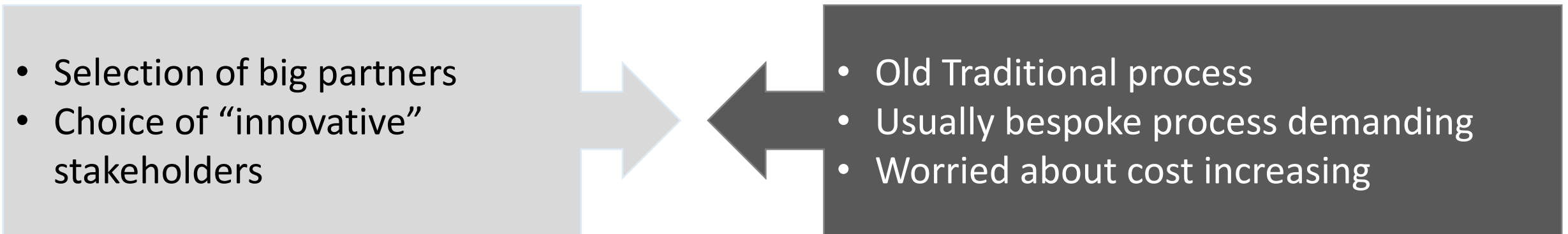
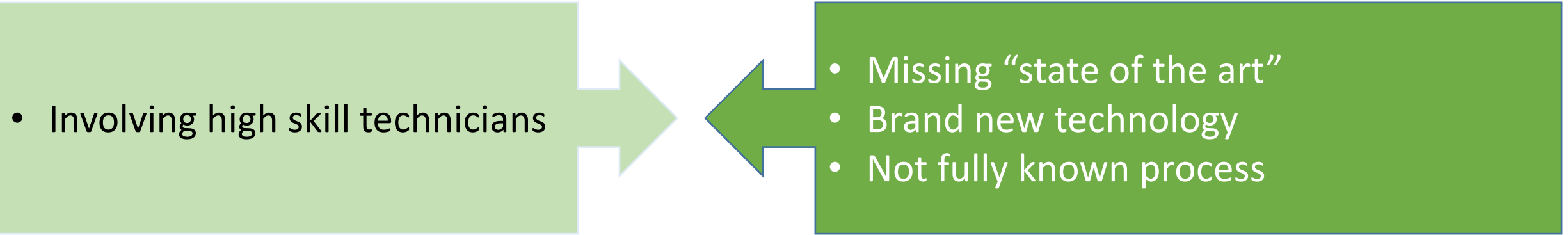
- Low Initial accountability
- Slow project initiation
- Distance between teams

- Increase the support of different labs technicians and researchers.

- New water treatment pilot plant
- Long finished leather lead time (6 wk)
- Long process validation
- Starting from a natural raw material



- Solution and efforts



# GOOD POINT FOR SUCCESS



## New Concept

New process which may be really innovative and brake with the traditional Chrome tanning

## Easy to be transferred

No need any new/change of actual process equipment's

## Largelly Environmentl pollution saving

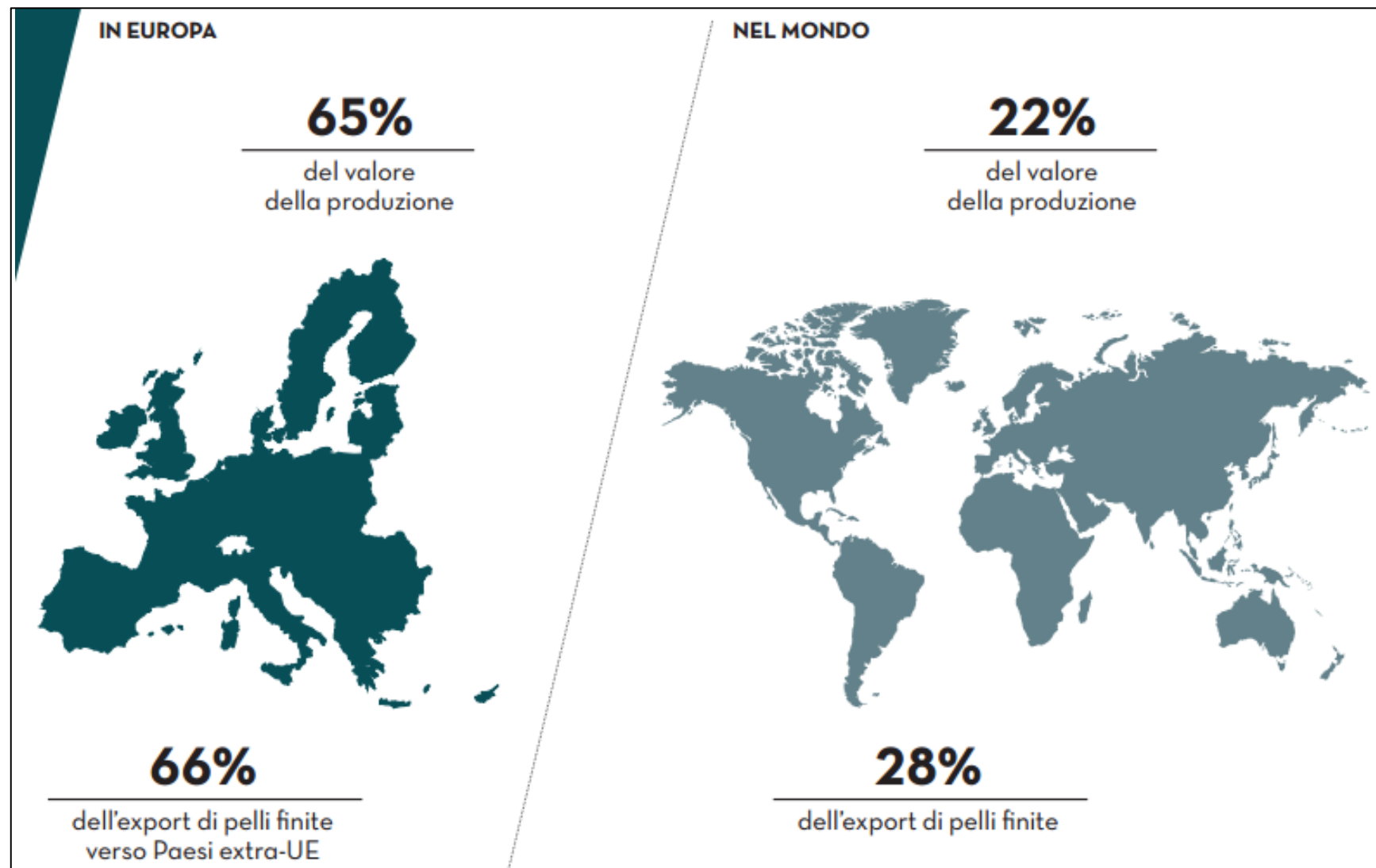
Water saving and Chrome replacing are both on the direction of tanning process sustainability mindset.

## Usefull for Marketing

GOAST finished leather may be a good marketing key for B2B and B2C market .

- Potential stakeholders

Italian  
leather  
districts  
market share





“LIFE Funding was the unique means by which the capital required to undertake such a large project, has secured and then made available whenever required.”

