

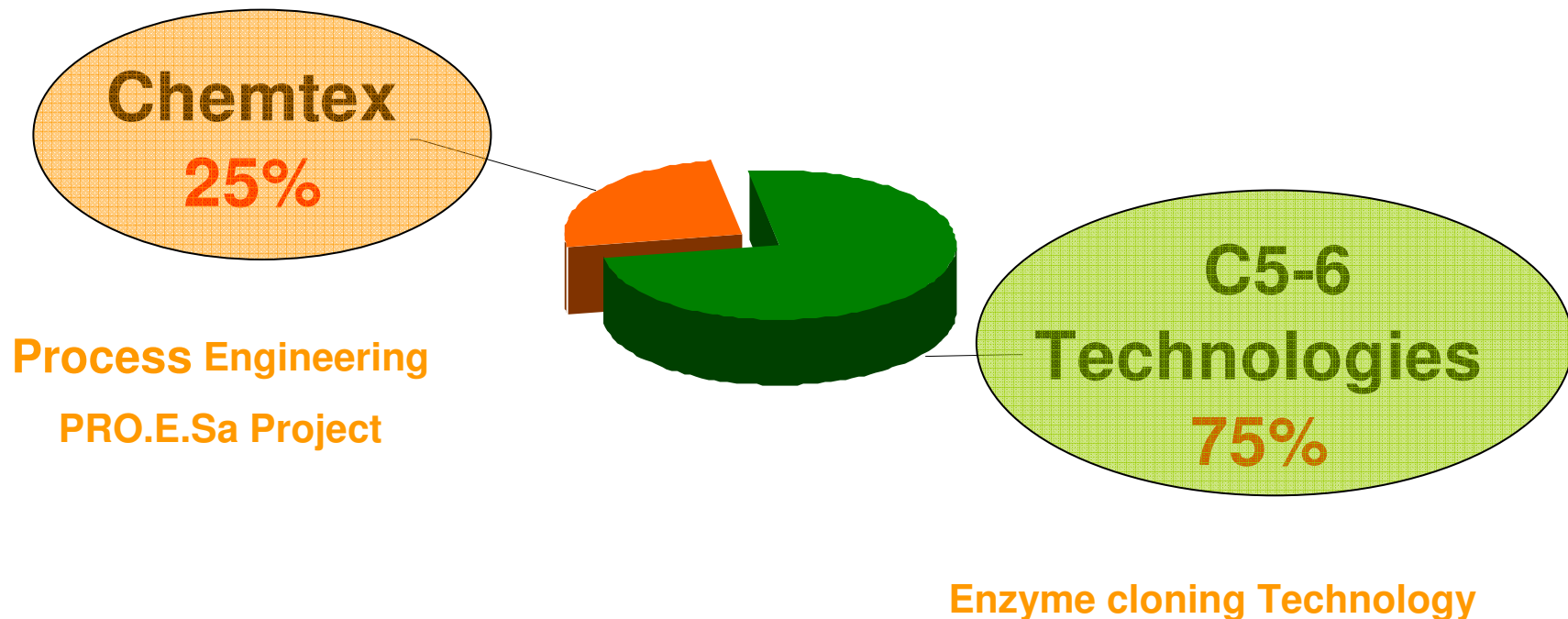


**John Biondi – President**  
**Dario Giordano – Managing Director**



## THE STRUCTURE

### The joint venture



# Why C5-6 Italy in Piedmont?

Throughout the territory:



## Universities:

- Politecnico
- Università di Avogadro

## Innovation poles for energies

## Biosolar lab

## Pro.E.Sa project

- Politecnico
- Chemtex s.r.l



# The project

PST Tortona



- Available laboratories
- Competences

Università di Avogadro



- Enzymes technology experience

Chemtex s.r.l

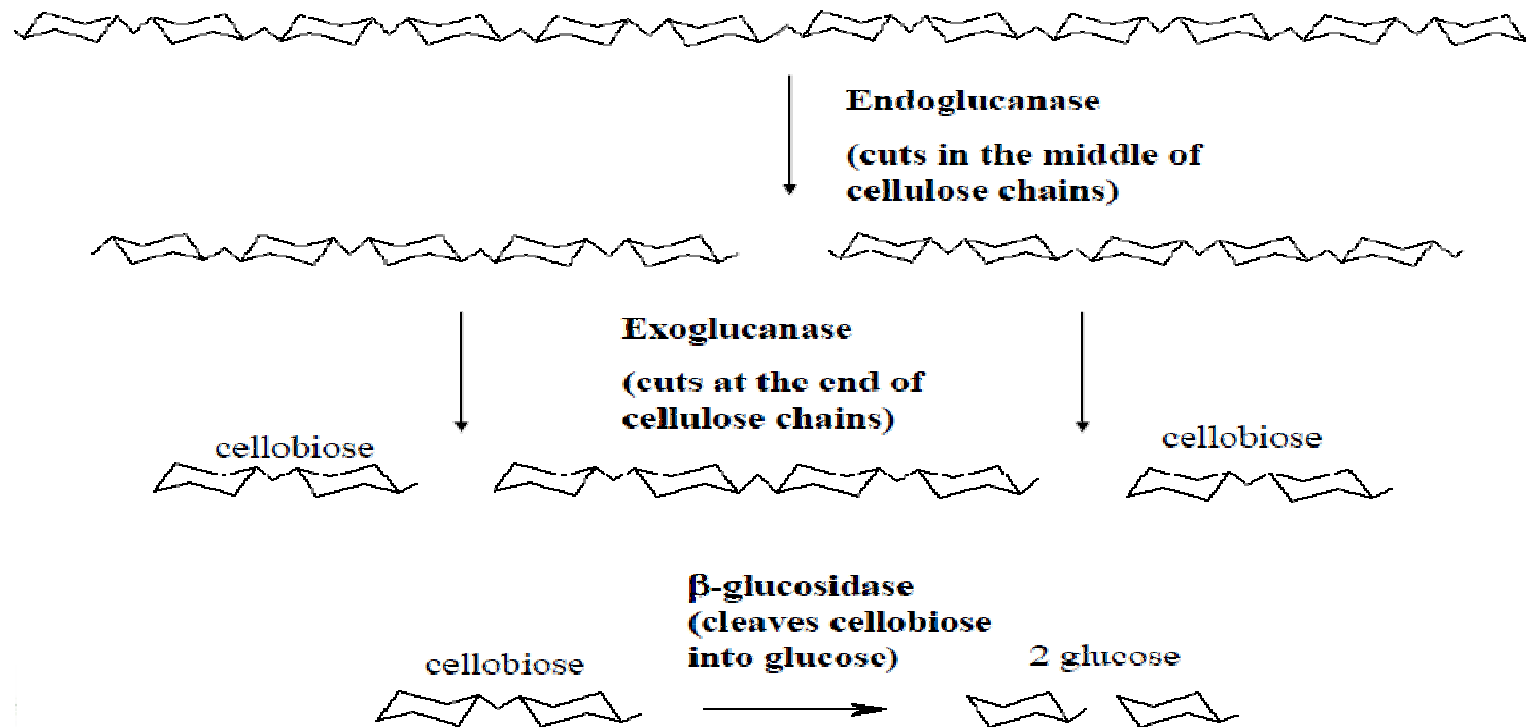


- Joint venture cooperation



# Project goals

Using the **Unique cloning tools** and **Single cell genomics** techniques developed by C5-6 Technologies, C5-6 Italy will find the best enzymes to fit the process of enzymatic hydrolysis of ligno-cellulosic pre-treated material.



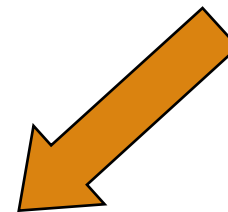
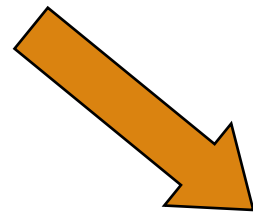
## The project: KEY FACTORS

### Enzymes production

- High potential of enzymes activities
- Low costs of enzymes production

### Enzymes in ethanol production

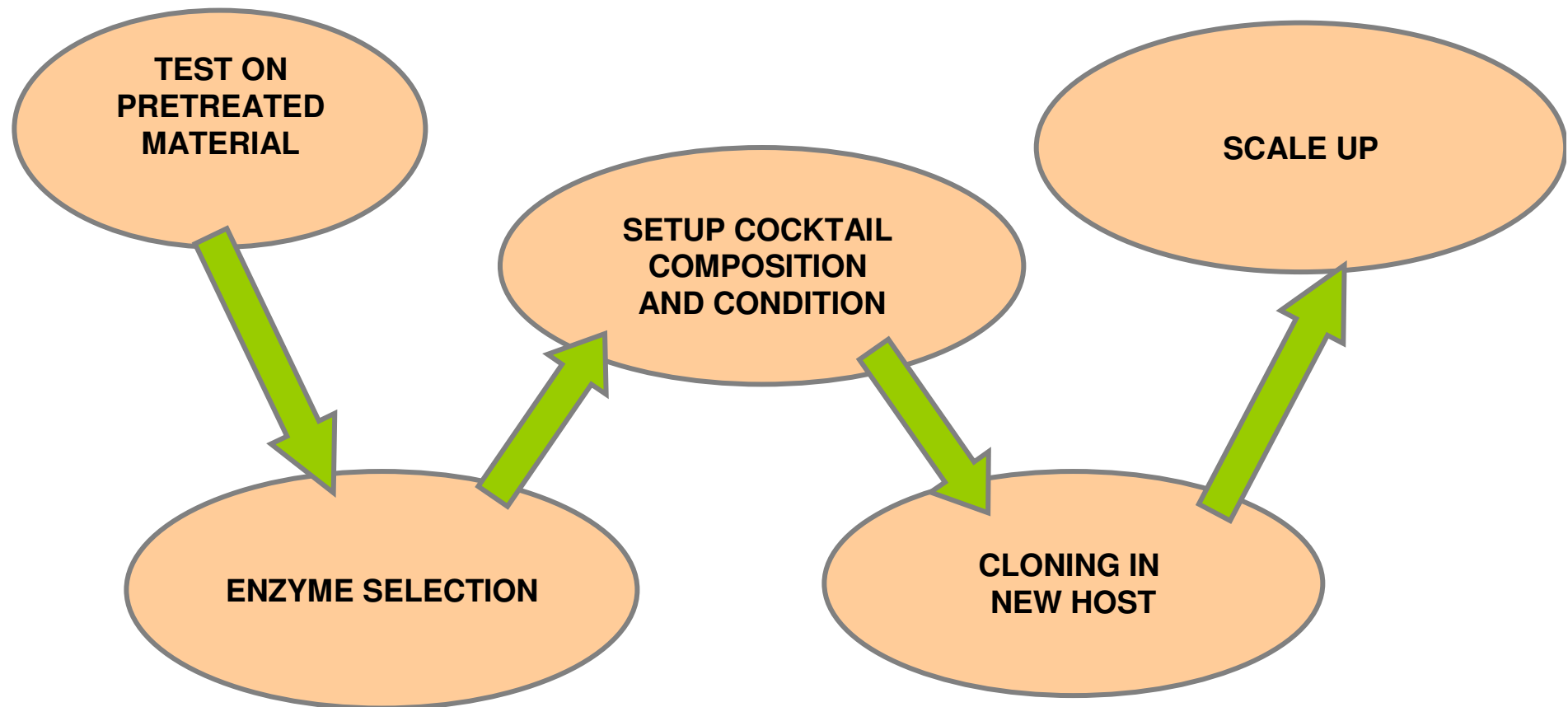
- Selection of good enzymatic package for the pre-treated selected biomass



**Cost for  
2° generation  
bioethanol**



# Activities and objectives



# Enzymes will play a key role for the success of BIOFUELS

From the plant...



**ENZYMES**



....to distribution

