



**Developping bioeconomy
through an opened innovation
platform**

Yvon LE HENAFF
General Manager

Location: in the heart of the Champagne area

The Innovation platform, **Biorefinery Research and Innovation, BRI**, is located in the Biorefinery of Bazancourt Pomacle North-east of Reims (15 km) in the middle of great plains.

The 2 main industrial players are 2 coop groups

CRISTAL UNION

VIVESCIA
L'innovation par nature



credit Canon-Procethol 2G

Aerial view of the site

A site combining industry / research /training

Food and feed industry



Biofuels and feed



Specialty chemicals



Fine chemicals



Experimental research



with its demo unit



Industrial pilot



Start-ups hosted



Academic research and training



Institutional partners



- With the support of local authorities, France and Europe for innovation activities



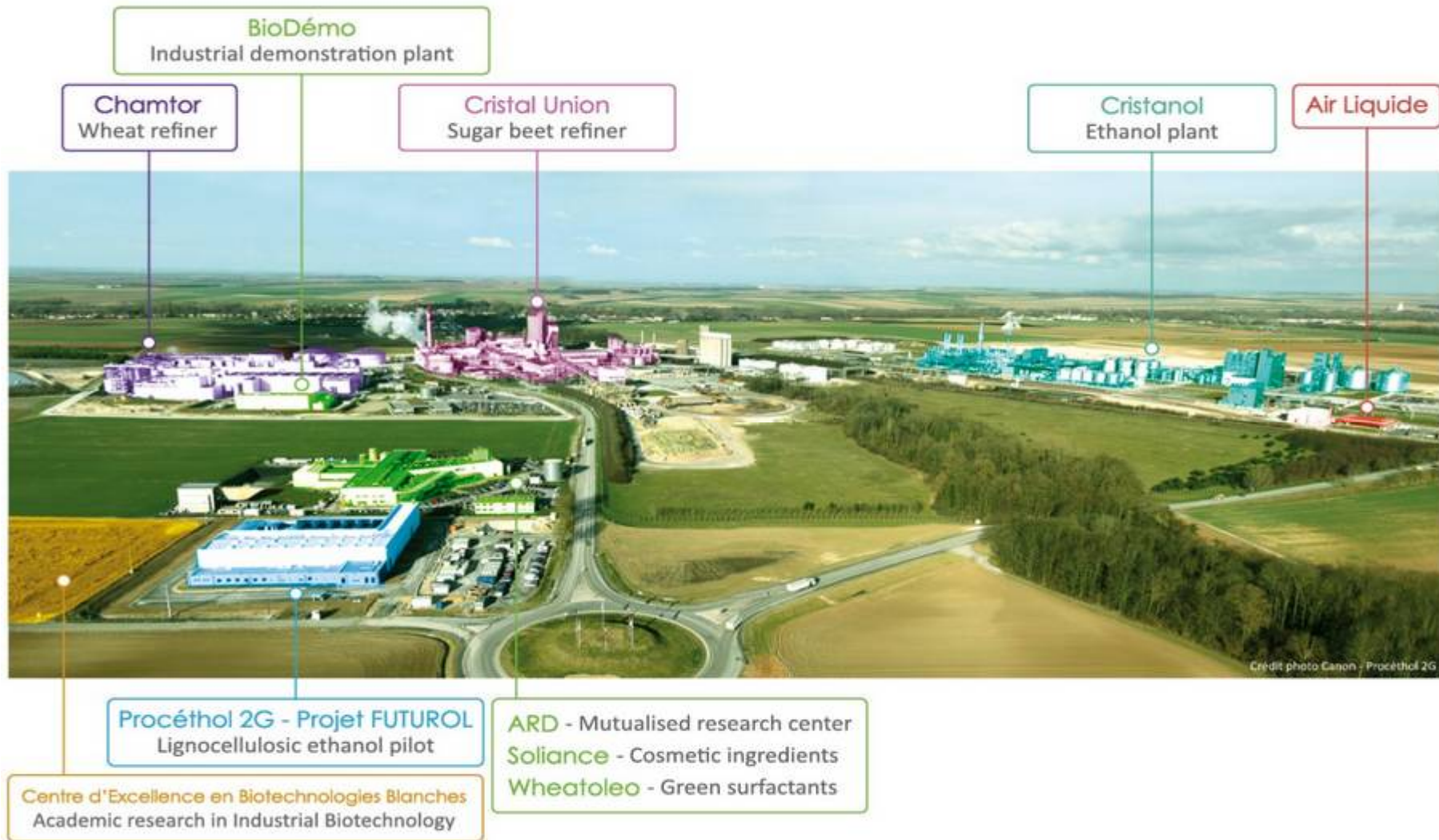
- Within the cluster IAR



The story of the last 60 years on the site of Bazancourt-Pomacle

- 1953 Sugarbeet refinery
- 1992 ARD and CHAMTOR
- 1994 Soliance
- 2005 setting up of IAR
- 2005 BioAmber
- 2007 2009 Cristanol I and II, BioDémo
- 2010 Air Liquide
- 2011 Futurol
- 2011-12 arrival of academics ...

The Bazancourt-Pomacle biorefinery



Mutualised Innovation Platform B.R.I

BIOREFINERY RESEARCH AND INNOVATIONS



Teaching & Academic research



Experimental research



Dissemination & lobbying



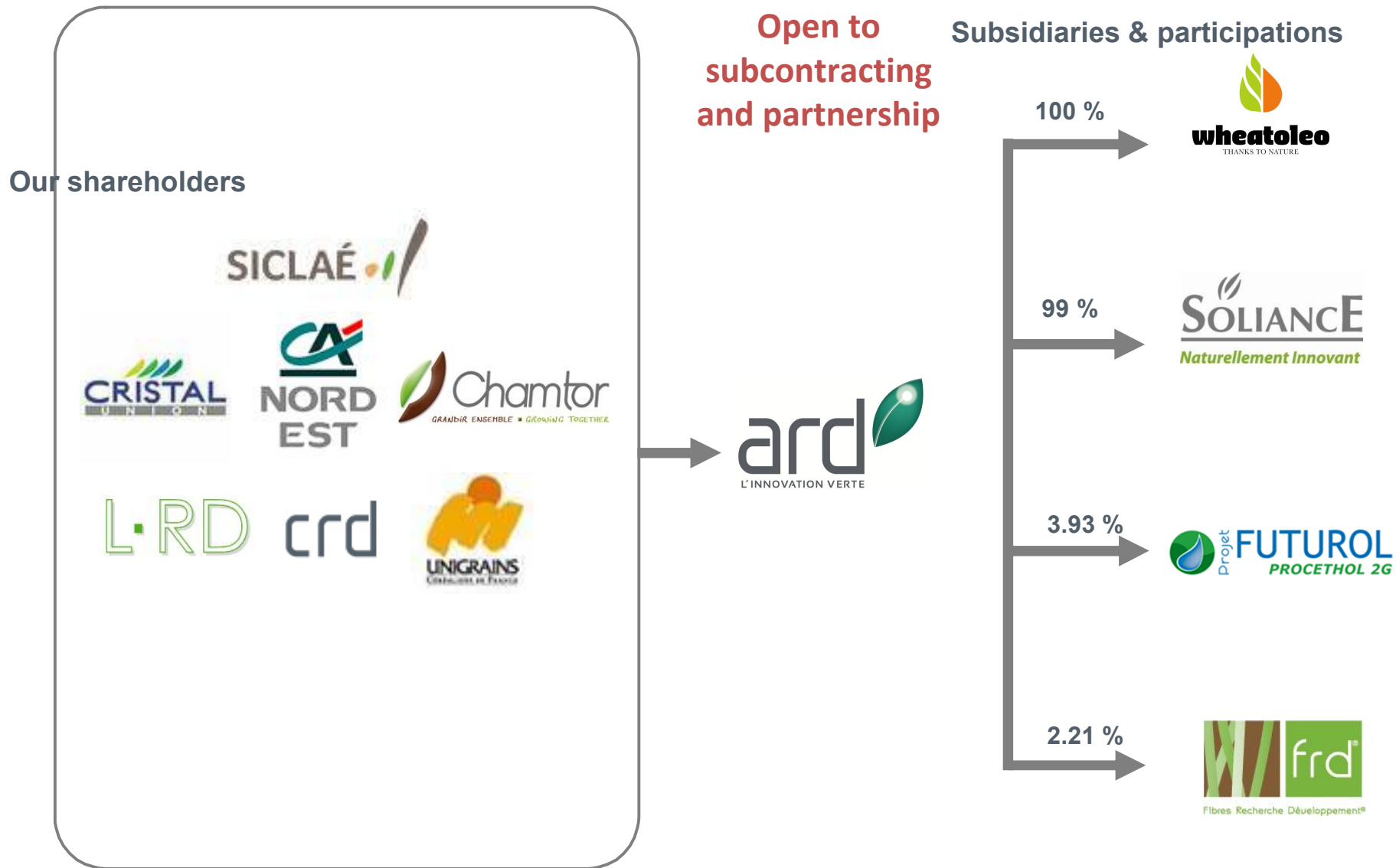
Foundation
Jacques de Bohan :
 Cristal Union, Cristanol,
 Vivescia, Siclaé, Chamtor,
 ARD



Financing



ARD: Opened experimental research center



With academia support: going further...



- In 2014, academics will have their own premises on site. This will be the starter of a « campus » fully integrated on the site



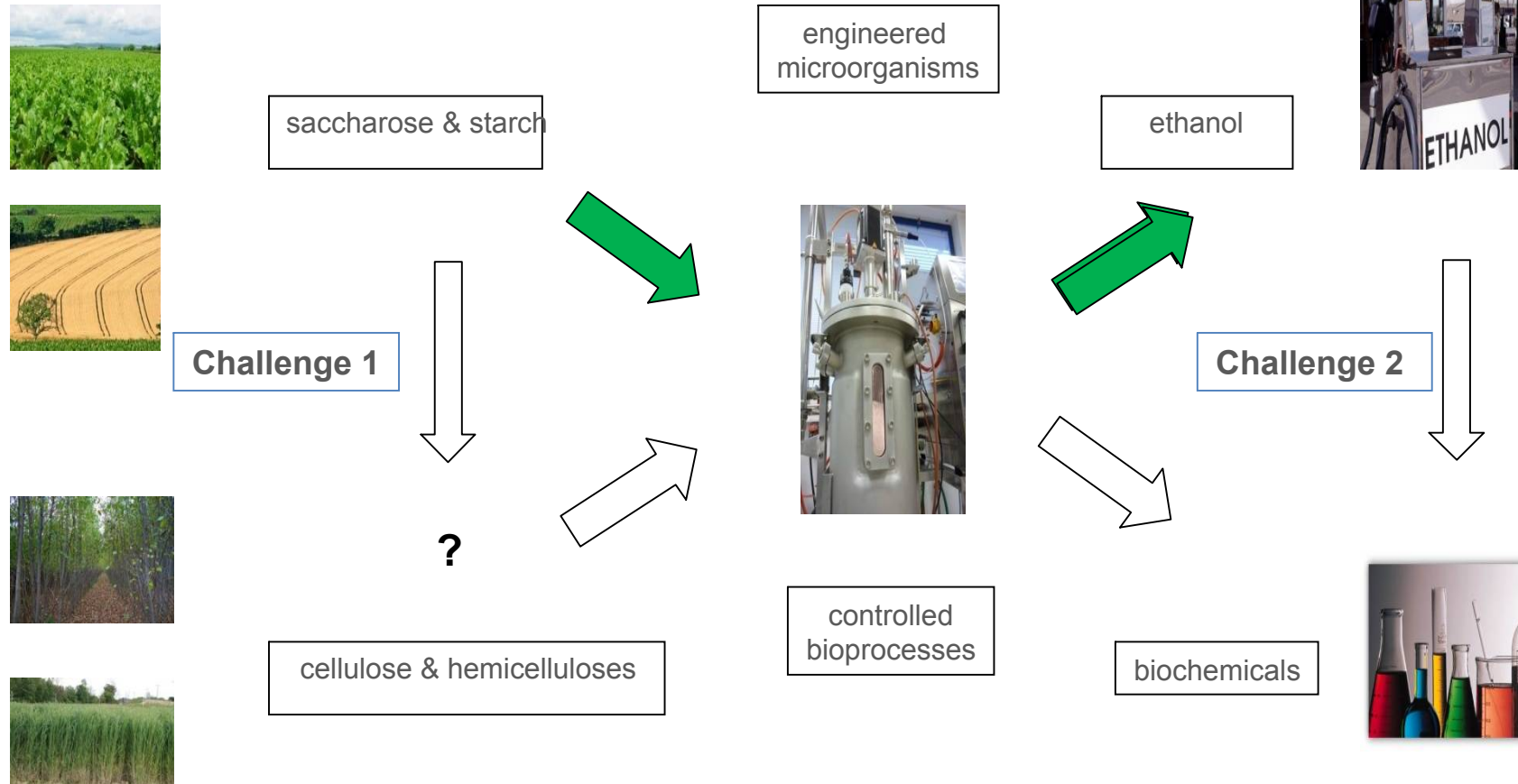
Fondation Jacques de Bohan: thinking tomorrow

- A foundation of enterprises



- For promoting the concept of biorefinery as cornerstone of the bioeconomy by exemplifying by the case of Bazancourt-Pomacle
- For creating a think tank and for supporting a well-balanced and sustainable approach of the different utilizations of the biomass
- For allowing partnerships and collaborations at European scale

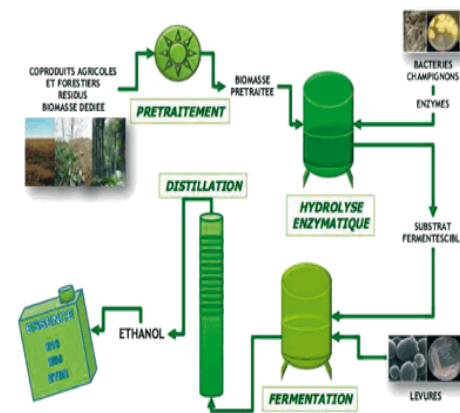
A strong commitment in research for preparing the future



Tools for paving the way forward



- A pilot dedicated for the lignocellulose deconstruction



- A french program of €76 M co-funded by **oseo** for approx €30M

Tools for paving the way forward

Bio·Démo



- A demo unit dedicated for designing and scaling up innovative bioprocesses
- An investment of ARD : € 22 M partially supported (€ 5 M) by public funds

RÉGION
CHAMPAGNE
ARDENNE



La Marne
CONSEIL GÉNÉRAL



- First reference:

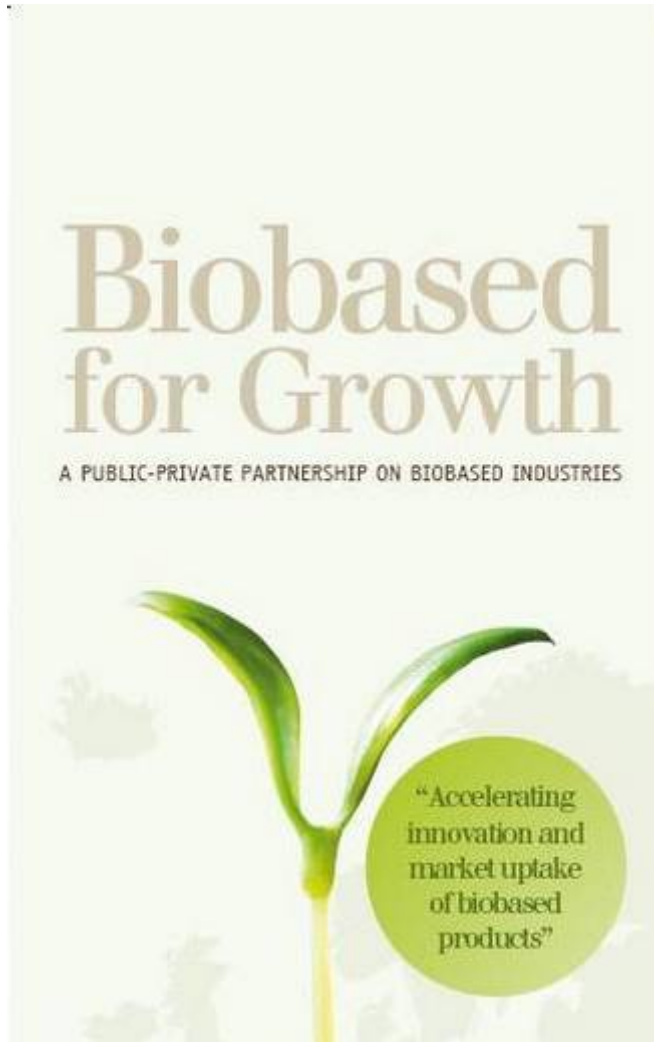
BioAmber
GREEN TECHNOLOGIES

From the concept to the reality...



- This site, thanks to its degree of integration, has progressively become a « landmark », giving a reality to the concept of **the biorefinery**
- For that reason, our institutional partners consider this site like an European Institute of the Biorefinery

Program PPP – BRIDGE



- BRIDGE stands for ‘**B**iobased and **R**enewable Industries for **D**evelopment and **G**rowth in **E**urope’. It is a Public Private Partnership (PPP) on Bio-based Industries (BBI) being established in cooperation between the European Commission and the Biobased Industries Consortium (BIC)



The founders

AGRI							
AGROFOOD							
CHIMIE/ MATERIAUX							
BIOTECH							
PULP&PAPER WOOD							
							
FUEL/ ENERGY							
CONSUMER PRODUCT							
CLUSTERS							

Scope & objectives

INVESTMENT

- Focus on pilots and **demonstration/flagship** plants to be in operation by 2020

INNOVATION

- Build **unconventional partnerships** to foster radical innovation and improve the competitiveness of biobased products

INTEGRATION

- Build **value chains**: 1) Sustainable feedstock supply, 2) Efficient processing in biorefineries and 3) Markets, products and policies

The BRIDGE transition



- Stage 1 : Reinforce innovation & extend current infrastructures across the economy

The BRIDGE transition



- Stage 2 : Build and strengthen value chains across industry sectors

The BRIDGE transition



- Stage 3 : Realised a connected biobased economy from field to end consumer

About BRIDGE

- A Public-Private Partnership (PPP) between the Biobased Industries and the EU
- A **joint** commitment of €3.8 billion over 2014-2020
 - €1 billion (EU)
 - €2.8 billion (Biobased Industries)
- Multi-annual funding programmes for biobased projects
- Enabling rural development and re-industrialisation in Europe

Thank you for your attention

