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*Science and Technology Park
in Valle Scrivia*



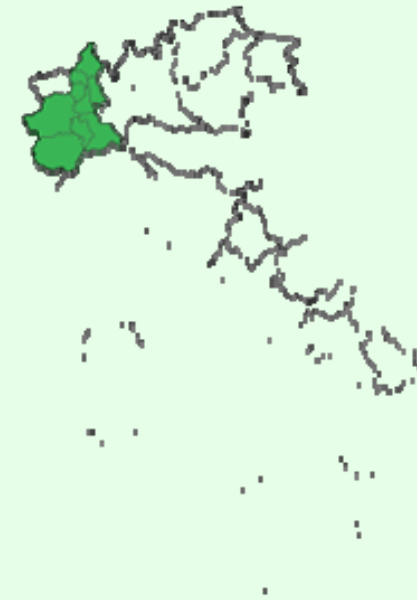
Managing Organization of



Tortona, 4th April 2011

PST – SCIENCE AND TECHNOLOGY PARK IN VALLE SCRIVIA / PIEMONTE OUR REGION/1

P.S.T. S.p.A. operates in Piemonte which is in the heart of north-west Italy - a macro-region that represents over 32% of Italy's GDP, 41% of exports and 50% of imports - in a strategic position between Northern Europe and the Mediterranean basin



THE INNOVATION POLE / ORGANIZATION

ORGANIZATION

POLIBRE, the Innovation Pole Renewable Energies and Biofuels is an ATS (Temporary Association of Scope) managed by **P.S.T. S.p.A.** – The Science and Technology Park in Valle Scrivia.

It is part of the Regional strategy to support the competitiveness of the enterprises and economic growth through innovation.

ASSOCIATES

52 organizations, of which:

- 1** Managing Organization
- 3** Universities
- 2** Research Centres (CRA and CNR)
- 34** SMEs
- 12** GE

The Innovation Pole Renewable Energies and Biofuels has been recognized by Regione Piemonte on 31rd March 2009 as one of the **12 Regional Innovation Poles**

POLIBRE - INNOVATION POLE RENEWABLE ENERGIES AND BIOFUELS / OUR ACTIVITIES

- **Promotion** of the Pole, its activity and infrastructures
- Common use of **technology infrastructures** from external enterprises
- Assistance in **problem setting/solving** for the associates
- Organization of institutional and technical meetings and **workshops**
- Organization and animation of **focus groups**
- Assistance in the **fund raising** activity
- Definition of the **Annual Programme**

POLIBRE/ GOALS 1

BIOMASS AND BIOFUELS

Goal1 →

Foster R&D activities in the agroenergy field with a sustainable approach towards environment and its agricultural and wood resources, avoiding conflicts with the food chain production

Goal2 →

Support the realization of projects concerning the development of innovative technologies of energy production from biomass (2nd generation bioethanol, biodiesel, biogas)

Goal3 →

Cooperate to pursue the 20-20-20 Target as for the CO₂ sequestration and the reduction of greenhouse gases

POLIBRE/ GOALS 2

PHOTOVOLTAICS

Goal1 →

Support the implementation of a technology chain for **3rd generation Photovoltaics** (both silicon-based and DSSC solar cells)

Goal2 →

Develop innovative product/process solutions to **enhance energy efficiency** of photovoltaics modules **at lower costs**

Goal3 →

Study innovative **applications** in order to enlarge the use of PV-modules **in different contexts**

POLIBRE/ GOALS 3

GRID EFFICIENCY

Goal1 →

Promote initiatives, feasibility studies and projects concerning the integration of renewable and distributed energy resources in the **smart grids**

Goal2 →

Support the realization of pilot projects of smart grids applied both on residential and industrial energy districts

THE INNOVATION POLE / ANNUAL PROGRAMME

The **Annual Programme** is the main Agenda of the Pole, it consists of the industrial research projects, selected and validated by the Pole in order to be submitted to Regione Piemonte for co-financing.

The current 2009 Annual Programme includes:

7 industrial research projects

(4 about Biomasses and 3 about Photovoltaics)

3 feasibility studies

3 innovative services (technology intelligence and intellectual property)

The Programme has been implemented since January 2010, it's involving investments of about 10 millions euros financed by ERDF, national and regional public resources with 4.6 millions euros.



PST TORTONA / POLIBRE CONTACTS

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CEO Mr. **Fabrizio Longa**

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Thank you for your kind attention

**We will be glad to provide you with any further
information you may require about our initiatives**

