

**DEVELOPMENT OF THE BIORESOURCES DEPARTMENT
BY UPGRADING THE RESEARCH & DEVELOPMENT INFRASTRUCTURE – BIORES**

**National Plan for Research- Development and Innovation
for 2007 – 2013 (PN II)**

Program: **Capacities**

Contract holder: **National Institute for Research &
Development Institute for Chemistry and
Petrochemistry – ICECHIM Bucharest**

Contract term: **2010-2011 (completed)**

Project budget: **4.200.000 lei (about 933.350 euro)**



General objective: **Developing of the infrastructure for a modern bioresources department, with 4 laboratories : biofuels, bioproducts, extraction, tests and measurements, in order to increase the research capacity by approaching new research directions in bioresources.**

Specific objectives:

- **promoting raw materials from renewable sources;**
- **increasing the capability to participate in international partnerships** within European research programs;
- **transferring the developed technologies** to SMEs;
- **endowment with specific research & development equipment for the Bioresources Department**

Research directions:

- **research regarding the identifying of raw materials from renewable sources;**
- research in the areas of : biofuels, biopesticides, ecosolvents, soil enhancers, biofertilizers, natural extracts, nutritional supplements;
- creating a team consisting of researchers with high scientific level and young graduates who will be attracted to specialize in chemistry and biotechnology;
- **development of new technologies and biotechnologies, internationally competitive** through capitalization of renewable natural resources for environmental, energy protection and sustainable development.

Beneficiaries:

- **Important target groups of SME - type direct beneficiaries:**
 - **Companies that produce and process vegetable oils:**
 - Muntenia București, SC Argus Constanța, S.C.Aromastar SRL Blaj, Agrex SRL Târgu Mureș, Agricover SA Buzău, Agrimon SRL Ianca, Alirex Prod SRL Țigănești, Ardealul SA Carei, Arianis Prod Com SRL Târgu Neamț;
 - **Companies that valorize fats by chemical processes:**
 - SC SOCTECH București, Gamm Prod Serv Com SRL București;
 - **Biofuel manufacturers:**
 - SC Viromet Victoria, SC Autoelit SRL Baia Mare, Chemission SRL Cugir, SC Ultex SA Țândărei - Ialomița, SC Autoelite SRL Baia Mare, SC Biovector SRL Bacău, SC Biocombustibil SRL Botoșani, SC Tibi Oil Prahova, SC Marsat SA Neamț, SC Halciu SRL Tulcea, SC Argus SRL Vâlcea, SC Agromixt SRL Buzău, SC Feragro SRL Arad, etc.

Social & economical impact:

- **Developing new technologies and bio-technologies, internationally competitive** through capitalization of renewable natural resources for environmental, energy protection and sustainable development.
- **Improving the efficiency and quality of research & development activity** within public research & development institutes in order to stimulate the services offer for companies;
- **Ensuring a research and educational environment with a high technical-scientific degree in order to attract professionals from abroad** and young researchers in public research & development institutions in Romania.
- **The project will provide the necessary infrastructure for the engagement in international projects;**
- **Creating new work places.**