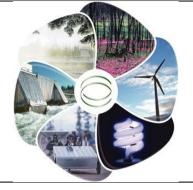
## DEVELOPMENT OF THE BIORESOURCES DEPARTMENT BY UPGRADING THE RESEARCH & DEVELOPMENT INFRASTRUCTURE – BIORES

National Plan for Research- Development and Innovation for 2007 – 2013 (PN II) Program: Capacities Contract holder: National Institute for Research & Development Institutte 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 Bucureşti, SC Argus Constanţa, S.C.Aromastar SRL Blaj, Agrex SRL Târgu Mureş, Agricover SA Buzău, Agrimon SRL Ianca, Alirex Prod SRL Ţigăneşti, Ardealul SA Carei, Arianis Prod Com SRL Târgu Neamţ;
  - **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 Ţăndărei Ialomiţa, SC Autoelite SRL Baia Mare, SC Biovector SRL Bacău, SC Biocombustibil SRL Botoşani, SC Tibi Oil Prahova, SC Marsat SA Neamţ, 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-scientifical 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.