# PlantLIBRA - useful overview and international tool for sciencebased decision-making by regulators and food chain operators

Angela Marculescu<sup>1</sup>, Mihaela Badea<sup>1</sup>, Monica Florescu<sup>1</sup>, Lorena Dima<sup>1</sup>, Liliana Rogozea<sup>1</sup>, Gheorghe Coman<sup>1</sup>, Mihaela Constantinescu<sup>1</sup>, Marinella Trovatto<sup>2</sup>, Patrizia Restani<sup>3</sup>

> <sup>1</sup> Transilvania University of Brasov, Nicolae Balcescu 56, Brasov, 500019, Romania <sup>2</sup> Società Italiana Scienze e Tecniche Erboristiche, Via Francesco Ferrucci 22, 20145 Milano, Italy <sup>3</sup> Universita degli Studi di Milano, via Balzaretti 9, 20133 Milan, Italy

PlantLIBRA (acronym of Plant Food Supplements: Levels of Intake, Benefit and Risk Assessment) is a project co-financed within the context of the 7th EU Framework Program (EC Project 245199). PlantLIBRA aims to foster the safe use of food supplements containing plants or botanical preparations, by increasing science-based decision-making by regulators and food chain operators.







### PlantLIBRA Work Packages

- Intake estimation of Plant Food Supplements (PFS)
- WP2: Methodology of benefit assessment for PFS, application and
- New concepts for the risk assessment of PFS, application and
- Investigation on adverse effects to botanicals and PFS: methods, biological markers, network of Poison Centers
- Integration of risk and benefit assessment models, risk benefit assessment and validation WP5:
- Meta-database of composition, biologically active compounds, safety information, residues and contaminants
- Investigation on botanical ingredients and PFS: plant identity, methods, new compounds, network of laboratories Consumer and stakeholder perceptions of PFS Dissemination, international cooperation and stakeholders WP7:
- WP9:
- WP10: Policy implications

# **Broshure for PFS consumers – Questions- Recommenations**

- Why the plants in food supplements?
- Do the PFS contribute to my total diet?
- What are the benefits of PFS?
- Should I check with my doctor or healthcare provider before using
- Some supplements may interact with prescription and over-thecounter medicines
- Can PFS as natural products be considered safe?
- Who is responsible for ensuring the safety and efficacy of PFS?

Adverse effects - Poisonings



http://www.plantlibra.eu

# **Transilvania University of Brasov** - partner of PlantLIBRA project

#### WP1 - Definitions + concepts/Survey in Romania

- Survey preparation of questionnaires + implementation + Data analysis
- · Lists of PFS in Romania Company, PFS, Names of the plants, Forms of presentation
- · Data analysis articoles

#### WP2 - Benefits of PFS

Review of evidence for PFS benefit from epidemiological studies

#### WP6 - PlantLIBRA database

Data collection - analytical methods

## WP7 - Analytical methods

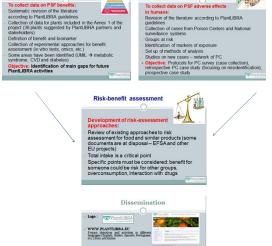
- · Develop of network of laboratories in order to perform different analysis

#### WP8 - Consumers and stakeholder perception of PFS

#### WP9 - Dissemination activities

- · Brochure of the project also in Romanian www.plantlibra.eu
- International Conference HNPH 2011 Healthy Nutrition and Public Health –presentation -Italy, Romania, South Africa, China
- Round Table Botanical food supplement regulatory and scientific framework in EU: open questions and possible solutions, Brasov May 16, 2011 for local and national authorities and universities
- Conference Botanical food supplements: from regulatory aspects to technical and scientific rules, May 17, 2011 for SME's, universities, doctors, pharmaciests, students
- Press conference Brasov May 18, 2011
- Project meeting 17-20 May 2011, Brasov





# **Conclusions**

The project will directly achieve the following objectives:

- a. Meta-Database containing data on consumption and biological activity of constituents and contaminants;
- b. Accessible risk, benefit and risk-benefit models for Plant Food Supplements;
- c. Dissemination of data and models relevant to risk-benefit for PFS to stakeholders in order to assist science-based decision making and enhance international cooperation and harmonization



Acknowledgment: The writing of this work has received funded from the European Community's Seventh Framework Programme (FP7/2007-2013) under grant agreement n°245199. It has been carried out within the PlantLIBRA project (website. www.plantlibra.eu). This report does not necessarily reflect the Commission views or its future policy on these areas