



Solsona, 20-22nd October 2011



FOREST SCIENCES CENTER OF CATALONIA

DEPARTMENTS AND RESEARCH GROUPS

- **Biodiversity and Landscape Ecology lab**
- **Laboratory of Functional Ecology and Global Change**
- **FiDBosc – Forest Functioning & Dynamics**
- **Biodiversity and Animal Conservation Lab**
- **Ecology and Management of Silvopastoral Systems**
- **Sustainable Forest Management Unit**

- **Non wood forest products Unit**
- **Truffle and forest mushrooms Unit**
- **Timber use and Biomass Unit**
- **Fluvial dynamics research group**
- **Land and Forest fires Unit**
- **Forest Economy Unit**
- **International cooperation**
- **Local Development, Training and Quality**

Work programmes

Functionality of
agroforestry
ecosystems

Multifunctional management
of natural environment

Governance and
socioeconomics of the
rural environment

Non wood forest
products
department





Functionality of agroforestry ecosystems

Hydrology

Eco-physiology

Ecology and community dynamics

Nutrient cycles and carbon sequestration

Biological diversity

Landscape ecology



Multifunctional management of the natural environment

Silviculture and forest modelling

Wood and non-wood forest products and services

Conservation biology

Forest fires and other natural hazards

Ecological restoration

Silvopastoralism

Multi-target planning

The sustainable wild harvesting of plant species as a measure for landscape conservation and development of the rural environment

Black truffle (*Tuber melanosporum*) cultivation as a tool for rural development in Catalonia.



Governance and socioeconomics of the rural environment

Assessment and promotion of rural areas

Territorial planning

Rural socioeconomics

Public use of natural areas

Forestry policy

Ecological and forest economics

Social perception and communication

The development of new socioeconomic activities and the assessment of the agroforestry sector (MAP production)

Socioeconomic value of wild mushroom picking

Non-wood Forest Products Department

*Àrea de Productes Secundaris del Bosc
(APSB)*

MEDICINAL AND AROMATIC PLANTS

Cultivation

Sustainable wild harvesting

Rural development

Market

Research

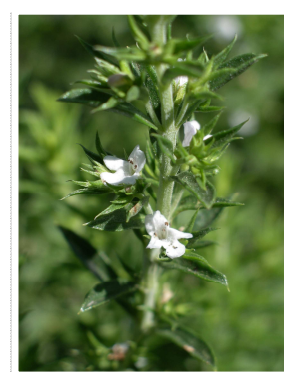
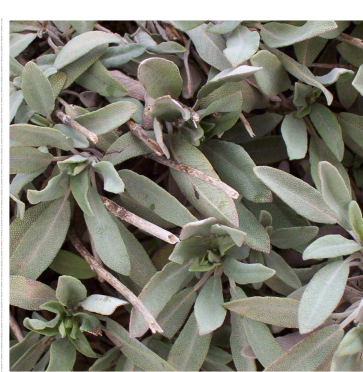
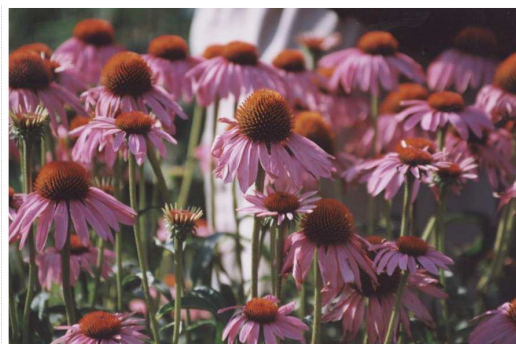
Technology transfer

Training

Promotion



MAIN SPECIES



RESEARCH

Cultivation

Irrigation

Fertilisation (N)

Planting density

Plastic mulch

Height and number of cuts

Adaptation of species

ORGANIC TECHNIQUES



RESEARCH

Forest

Characterization of wild populations.

Evaluation of natural resources.

Techniques for wild harvesting.

SUSTAINABILITY



RESEARCH

Market

Trade data

Study on processed products

Analysis of marketing channels.

ECONOMIC SUSTAINABILITY



RESEARCH

Laboratory

Drying temperature
Storage systems of dried plants
Yields (essential oil / dry ingredients).

FINAL QUALITY



TECHNOLOGY TRANSFER

ICT extension

Phone, E-mail, Videos, Internet

Paper extension

Technical notes, Brochures,
Project results,
Guides and manuals,
Magazines, Books.

ASSESSMENT



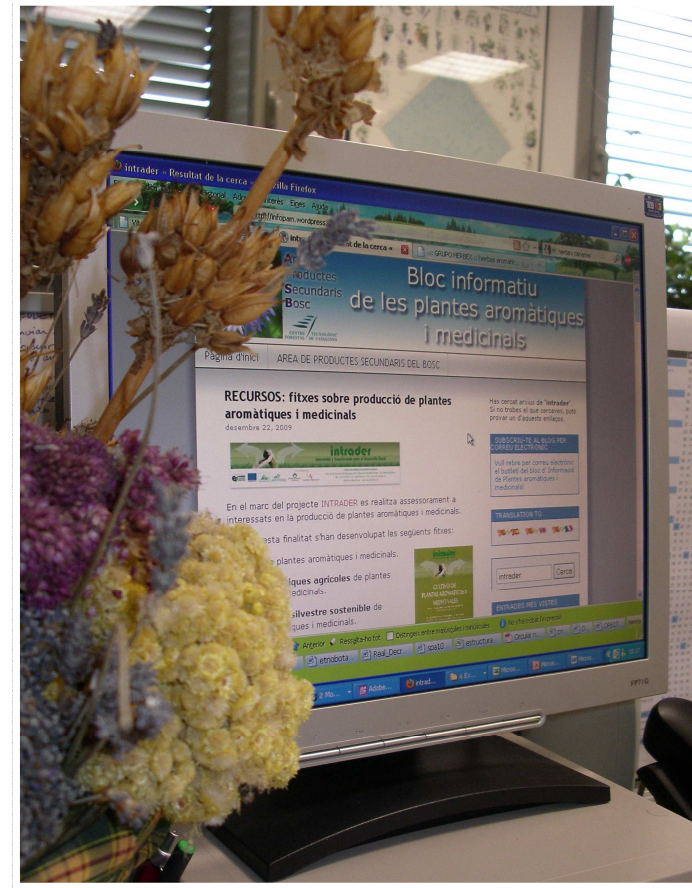
TECHNOLOGY TRANSFER

INTERNET: websites

<http://www.acppam.cat>
<http://pam.ctfc.es>
<http://mercatpam.ctfc.es>
<http://www.ctfc.es/silvapyrs6>
<http://www.herbam.net>

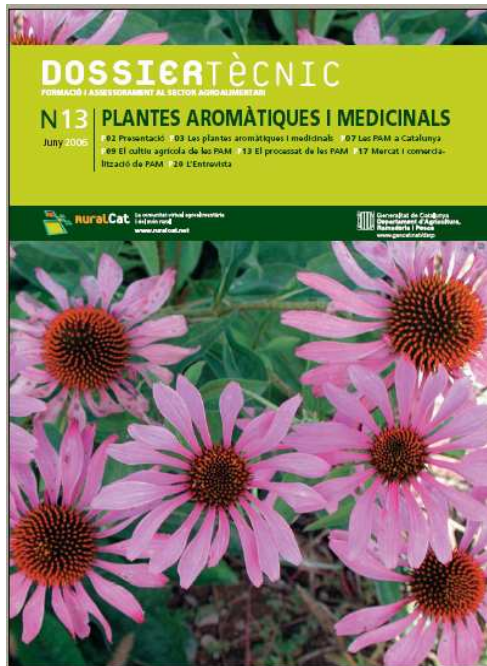
INTERNET: blogs

<http://infopam.wordpress.com>
<http://apsb.ctfc.cat>



TECHNOLOGY TRANSFER

Guides and manuals



TECHNOLOGY TRANSFER

Magazines and books



TRAINING

Production of MAP

Presentations
Courses
Seminars
Fairs
Traveling
Visits to companies

CONTACT



PROMOTION

Rural development

Catalan Producers Association of Aromatic and Medicinal Plants





Thank you for your attention