



(Sustainable) Wild harvesting of MAP in Spain


State of the art and needs on training

Roser Melero
roser.melero@ctfc.cat

NWFP department
Medicinal and aromatic plants

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WH and sustainability

- Official data on sp., volumes, economic value
 - MAPs were 44.440 € in 2005, 0.01% of the total NWFP (MARM, 2011)
 - Other official data: 64.506 € (Anuario Est. Forestal, 2008)
 - Values for NWFP are officially considered as a medium quality indicator, due to the lack of data availability.
 - Not updated, unrealistic
- Addenda 2011 (APSB, for DGMN – DAAM, Catalan Government):
 - yellow gentian (*Gentiana lutea*):
 - » 20t/year dried root in 2011, from Catalonia → 150.000-170.000 €/year
 - arnica (*Arnica montana*):
 - » 1260 kg dried flowers/ year in 2009, from Galicia
 - » 18.900-37.800 €/year in Spain
 - bearberry (*Arctostaphylos uva-ursi*):
 - » 25 t/year dried leaves in 2011, from Guadalajara and Soria
 - » 68.750-98.000 €/year in Spain

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 WH and sustainability

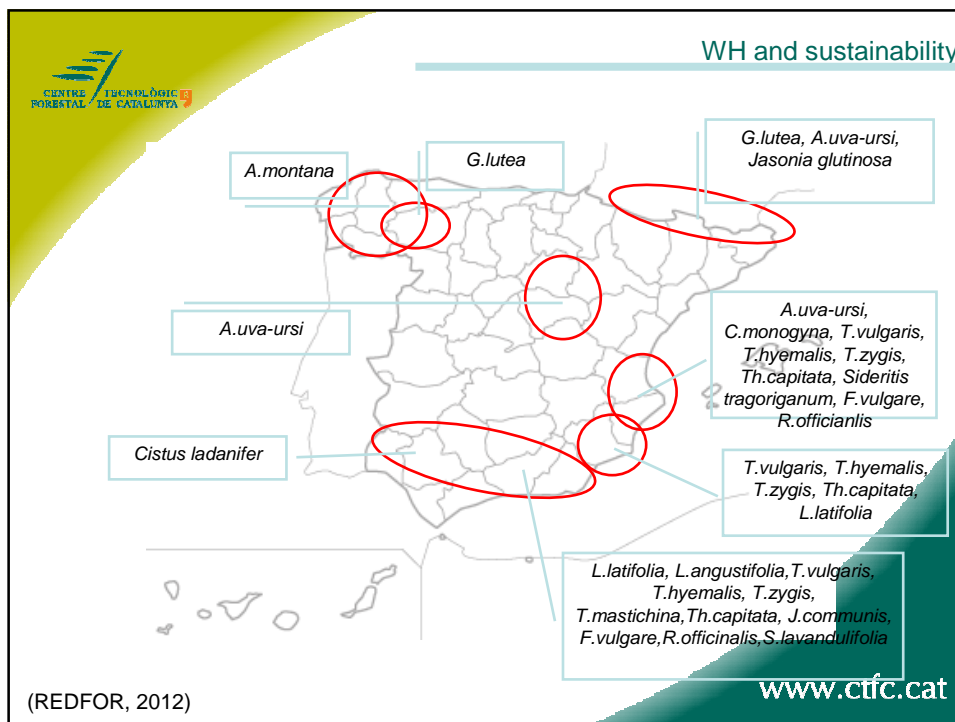
- No register (except licenses)
- Market commodities are not specific for wild collected MAP species
- Weak legal framework for WH of MAP, not defined enough
 - » only some species under license
 - » only in certain regions (Murcia, Andalusia, Catalonia, Castilla-Leon)
- Government: lack of transfer/training and control
- Harvesters & market: lack of legal knowledge and transparency

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 WH and sustainability

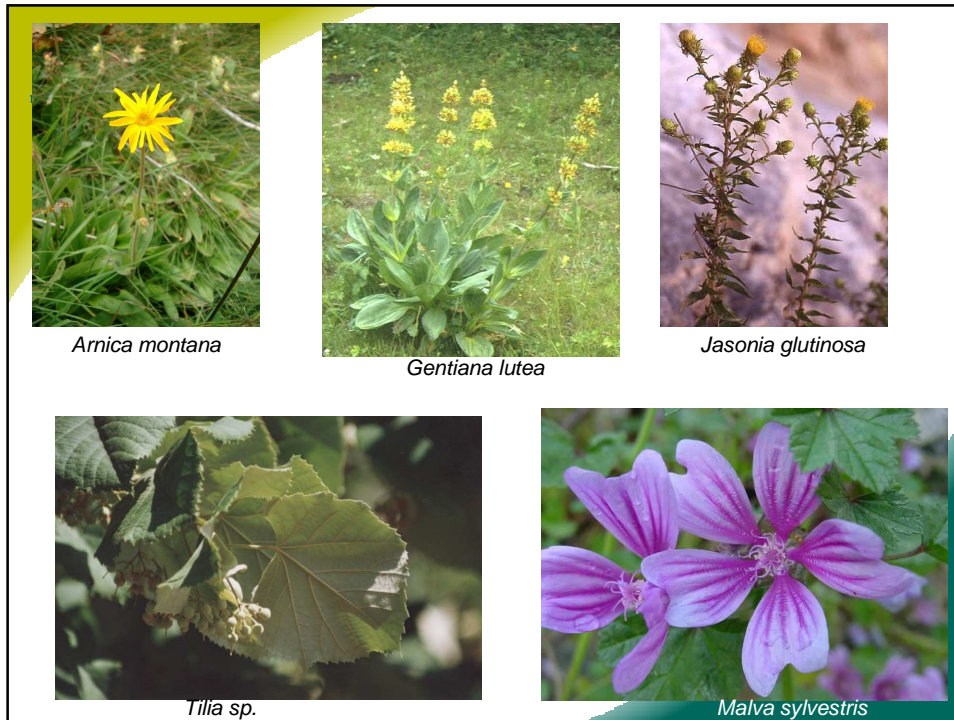
- Blanco & Breaux (1997)
 - 800 sp used as MAP in Spain
 - 25 % Commercial use
 - » 52 % from the wild
 - 75 % non-commercial or comm. but few importance
- Commercial WH - regions
 - NW : Lugo (Galicia); León (Castilla-León)
 - SE: R. Murcia; Alicante, Valencia (C. Valenciana); Almería, Granada, Huelva, Jaén, Málaga, Sevilla (Andalucía)
 - Pyrenees: Lleida, Girona (Catalonia), Huesca (Aragón)
 - Central: Soria (Castilla-León), Guadalajara (Castilla- La Mancha)

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- WH and sustainability
- CENTRE TECNOLÒGIC FORESTAL DE CATALUNYA**
- Non- commercial
 - 600 species
 - Depending on the region
 - E.g. Catalonia
- | | |
|---|--|
| <p><i>Achillea millefolium</i></p> <p><i>Artemisia absinthium</i></p> <p><i>Carum carvi</i></p> <p><i>Crataegus monogyna</i></p> <p><i>Equisetum arvense</i></p> <p><i>Hypericum perforatum</i></p> <p><i>Hyssopus officinalis</i></p> <p><i>Jasonia saxatilis</i></p> <p><i>Juglans regia</i></p> <p><i>Juniperus communis</i></p> <p><i>Lavandula angustifolia, L. latifolia</i></p> <p><i>Malva sylvestris</i></p> | <p><i>Matricaria recutita</i></p> <p><i>Mentha x piperita</i></p> <p><i>Origanum vulgare</i></p> <p><i>Pinus sylvestris</i></p> <p><i>Foeniculum vulgare</i></p> <p><i>Ramonda myconi</i></p> <p><i>Rosmarinus officinalis</i></p> <p><i>Salvia officinalis</i></p> <p><i>Sambucus nigra</i></p> <p><i>Satureja montana</i></p> <p><i>Thymus vulgaris</i></p> <p><i>Tilia platyphyllos</i></p> |
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Grundtvig Plant Wild - Sustainable wild
harvesting - SPAIN



Grundtvig Plant Wild - Sustainable wild harvesting - SPAIN



 **WH and sustainability**

Catalonia

Commercial (APSB, 2004 & 2011)

Decreasing, almost disappeared for MAPs: **from 5 in 2004 to 1 in 2011!**

Pyrenees: bearberry (2011, 2004), yellow gentian (last harvesting in 2003); leaves of *Fraxinus sp.*, *Juglans regia*, *Betula pendula*, all plant of *Arenaria rubra*, *Herniaria glabra*, *Jasonia glutinosa* and flowers of *Sambucus nigra*, *Tilia platyphyllos* (2004).

Non commercial

Social value, conservation cultural heritage and environment


Very few qt. (sometimes, local market)

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 WH and sustainability


- Sustainability: ISSC-MAP (MPSG-IUCN, 2007)
 - Principle 1. Maintaining Wild MAP Resources
 - Principle 2. Preventing Negative Environmental Impacts
 - Principle 3. Complying with Laws, Regulations, and Agreements
 - Principle 4. Respecting Customary Rights
 - Principle 5. Applying Responsible Management Practices
 - Principle 6. Applying Responsible Business Practices

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 WH and sustainability


- In Spain:
 - Commercial
 - Sustainability could be guaranteed only in species under license (yellow gentian in Catalonia and León; bearberry in Catalonia)
 - » Impact on species and habitats: lack of data
 - » Social impact: positive
 - » Economic impact: positive
 - Lack of data
 - Non-commercial
 - Sustainable only when impact on habitats and species can be considered as “least concern” (e.g. arnica in the Pyrenees)
 - Lack of data

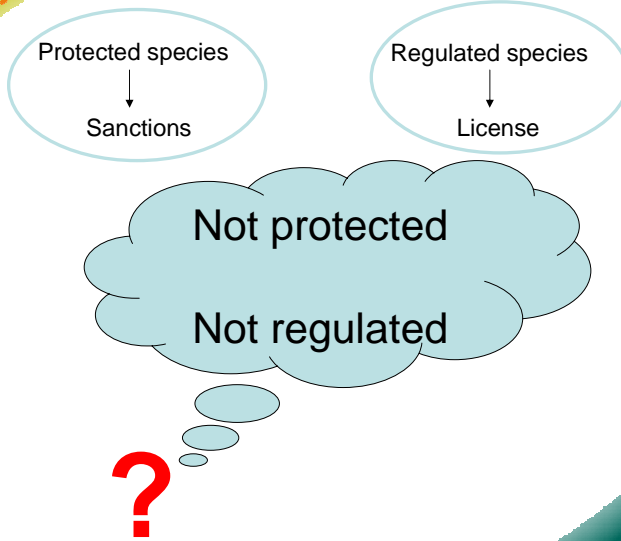
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 WH legal framework

- CITES, Berna, Habitats.
- Law 42/2007 of Natural Heritage and Biodiversity
 - List of wild species with an special protection regime and Spanish list of threatened species (RD 39/2011).
 - 17 Regional lists of threatened species. Licenses or sustainability for MAP sp: Murcia, Castilla-León, Andalucía, Balears, Catalunya.
 - Strategy for the Natural Heritage and Biodiversity 2011-2017 (RD 1274/2011) →sustainability
- Regional forest legislation. E.g. Catalonia: Llei Forestal de Catalunya 6/1988 (reg. forest exploitation). Decret Llei 3/2010 (responsibility statement for any NWFP exploitation in forests without management plan)

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 WH – legal framework




Protected species
↓
Sanctions

Regulated species
↓
License

Not protected
Not regulated

?

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WH guidelines and certification

- No guidelines and certification developed for SWH
 - Andalucía 2012: incentives for SWH
 - Strategy for the natural heritage and biodiversity 2011-2017
- Organic certification. Only 1 certification agency is supposed to advice on SWH (IMO).
- International guidelines (ISSC-MAP, FairWild), but lack of technical information for assuring long-term conservation of species.
- Catalonia: studies on and technical recommendations for *Gentiana lutea*, *Arctostaphylos uva-ursi* and *Arnica montana*.


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WH and training

- 2000 – 2006: 11 activities
 - 7 courses
 - 4 lectures on courses
 - » 3 within the Master on Medicinal and Aromatic Plants and Phytoterapy (University of Barcelona, Catalonia)
 - » 1 within the Degree in Forest Management (University of Lleida, Catalonia)
- 2007-2012: 8 activities
 - 1 course on WH: yellow gentian, Villablino (León)
 - 7 lectures on courses
 - » 4 within the Training Degree in Natural Resource Management (School of Agricultural Training, Solsona, Government of Catalonia) – Subject: Medicinal and Aromatic Plants
 - » 1 within the Training Degree in Gardening (School of Agricultural Training, Barcelona, Government of Catalonia) – Subject: Forest sustainable management.
 - » 1 within an Environmental guides course (CTFC, Solsona, Government of Catalonia)
 - » 1 within the Graduate Course of Naturist Medicine (University of Zaragoza, Aragon)

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 WH and training

- New interest in WH and SWH
- Need to update official data
- More people asking for advice

- Needs on training
- More training than transfer, but depends on the target

- All stakeholders: harvesters, wholesalers and companies, trainers, forest owners, government agents

- Mainly technical and legal information, monitoring

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(S)WH
=
SWH

Thank
you!

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