

LIFE11 ENV ES 535

Carbon Experts Meeting

"Results of the audit process for site A (Muntanya d'Alinyà) and double counting issues"

Barcelona
24th of October 2016

LIFE project Operation CO2 has as main objective to demonstrate the viability of forestry and agroforestry projects on carbon sequestration in Europe. Although not yet developed in Europe, this project is expected to contribute significantly to the fight against climate change due to its financial incentives. However, during the course of the project several carbon credits accounting issues evolved, especially the problem of double counting at both private and national level that was experienced in our trial area Alinyà (Catalonia).

Our objectives for the session

1. Regarding the Commission: show and do the most we can to attain the expected results included and accepted in the LIFE project description ("Carbon credits from the project being traded at the **Voluntary Carbon Offsets Market**").
2. Obtain a document of conclusions summarizing our discussions on a real case in Spain, the road block(s) encountered and a proposal of the steps that can be taken to solve the situation.
3. If relevant, include policy recommendations.

Speakers

1.	**Introduction to the LIFE Operation CO_2**	Sven Kallen (Transfer)
2.	**Our experience in Site A** (la Muntanya d'Alinyà)	Xavier Escuté (FLP)
3.	**The views from the Spanish Ministry**	Marta Hernández (MAGRAMA)
4.	**Round table.** Important topics to make sure are discussed:	
	- What happens in other regions in EU?	Alexandra Nuske (TUV)
	- What is the EC policy regarding the double counting issue?	Jerome Mounsey (DG CLIMA)
5.	**Wrap-up and draft of the document of conclusions including**:	Xavier Escuté (FLP)

- The issues that prevent the certification and selling of carbon credits in Spain (Europe?)
- Potential steps to address this situation or alternatives to the situation
- Policy recommendations if any, after seeing the outcomes of the project

Project objectives:

Demonstrate the economic and technical viability of agroforestry, the conservation and management of forests and obtain carbon credits

a) The conservation and management of forests and carbon

Implement a functioning forest and carbon management scheme

Increase biodiversity



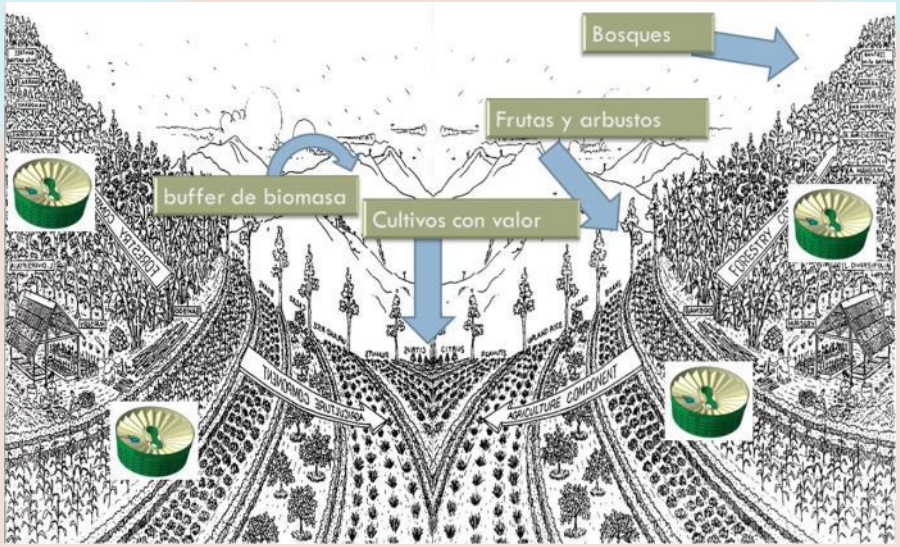
Increase carbon sequestering by 10%

Introduce carbon credits to the market

b) Integrated agroforestry practices

Successfully execute a pre-assessment process for certification to obtain carbon credits

Increase root surface per plant by 300%



Generate 20% more net income for the land owner

Triple the levels of carbon sequestration

The project Areas

Ayoó de Vidriales





- Abandoned land
- Erosion
- Desertification
- Fire
- Soil compaction
- Depopulation



San Mateo de Gállego





- Abandoned land
- Erosion

- Drought
- Soil compaction

Muntanya d' Alinyà





- Fire
- Desertification
- Lack of founding
- Biomass wastage
- No added value

Muntanya d'Alinyà (Area A)

+ Touristic routes

+ Carbon credits – (biomass)

1&4. <u>Natural fence</u>. *Crataegus monogyna, Genista scorpius,Prunus spinosa, Rosa canina*

2&5. <u>Fruit production</u>. *Juglans regia, Malus communis* (high and low trees)

3&7. <u>Timber</u>. *Juglans regia, Pinus nigra, Pinus sylvestris, Prunus avium, Q.ilex, Q.pubescens, Sorbus domestica*

6. <u>Aromatic & Medical plants</u>. *Lavandula, Rosmarinus, Satureja montana, Thymus vulgaris, Origanum vulgare, Hyssopus vulgaris*

8/9 <u>Restoration area.</u> *Crataegus monogyna, Genista scorpius, Medicago sativa, Pinus nigra, Pinus sylvestris, Quercus ilex, Quercus pubescens, Rosa canina* (anti-erosion)

10. <u>Timber & Mushroom forest.</u>

Juglans regia, Pinus nigra, Pinus sylvestris, Prunus avium, Q.ilex +Tuber melanosporum,



Ayoó de Vidriales (Area B)

1. **Timber&Fruits.** Grafted Pistachio
2. **Timber&Fruits.** *Almond v. GUARA & Jara pringosa*
3. **Timber&Fruits.** *Pine mycorrhized with Lactarius deliciosus & Jara pringosa (mycorrhized with boletus)*
4. **Timber&Fruits.** *Jerbo & Lolium spp, Trifolium repens*
5. **Timber&Fruits.** Stone pine mycorrhized with *L.deliciosus*
6. **Timber&Fruits.** Chestnut & *Bromus hordeaceus, Vulpia geniculata, & V. bromides*
7. **Protection border.** Alcornoque, Endrino, Espino blanco, Rosa silvestre
8. **Agricultural crops.** *Ryegrass, alfalfa, lupine, barley, wheat, vetch, oats, sunflouwer, camelina*
9. **Testplot Switchgrass.** *Panicum virgatum*
10. **Safety buffer zone.**



1. **Benefits for biodiversity**
2. **Risk reduction**
3. **Economic benefits**
4. **Carbon storage**

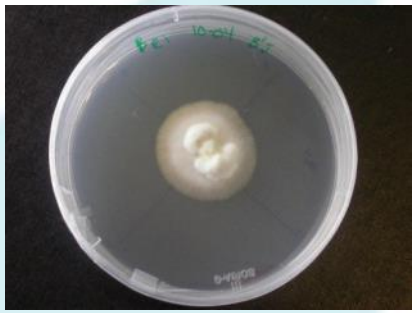
San Mateo de Gállego(Area C)

1. **Timber&Fruits.** Grafted Pistachio
2. **Timber&Fruits.** *Almond v. Guara & Jara pringosa*
3. **Timber&Fruits.** Pine mycorrhized with *Lactarius deliciosus* & semisanguifluus
4. **Timber&Fruits.** Jerbo & *Bromus hordeaceus, Vulpia geniculata, V.bromides*
5. **Timber&Fruits.** Oliva arbequina
6. **Timber&Fruits.** *Quercus ilex* mycorrhized with *tuber melanosporum*
7. **Protection border.** *Juniperus turiphera, J.phoenicea, Tamarix gallica, Q.coccifera, Rosa canina, Retama sphaerocarpa*
8. **Agricultural crops.** Ryegrass, barley, wheat, vetch, oats,
9. **Test area Lavender.** Lavandula.
10. **Testplot Switchgrass.** *Panicum virgatum*
11. **Test area Vines/Vid**
12. **Safety buffer zone.**



The actions



Preparation of plants, seeds and mycorrhiza

Monitoring seedlings and mycorrhiza infection






Preparation of the land and planting trees

Marking planting lines & planting trees



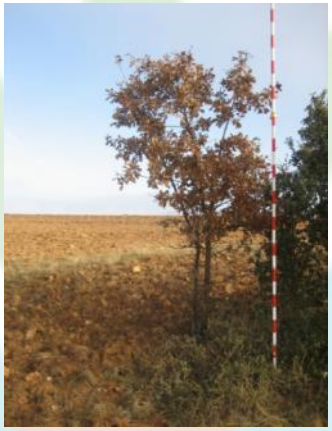



Planting trees with WB & coconut covers

Training courses

Studies for carbon credits certification










- Biodiversity inventory, sampling and biomass measurements
- Hydrological characteristics of the land
- Soil sample analysis
- Carbon measurement in the soil
- Social study

Cooperation

Magrama



Life 09 ENV ES 431 CREAMAgua



Today: Carbon Experts Meeting

Results of the audit process for site A (Muntanya d'Alinyà) and double counting issues

- ✓ **Policy regarding Voluntary Market**
- ✓ **Policy regarding certification of forestry projects**


Thank you for your attention
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