

*Horse continuous and rotational  
grazing system effect on gorse (Ulex  
europaeus and Ulex gallii) production  
understory developed under Pinus  
radiata stand*

M.R. Mosquera-Losada  
Dpto Producción Vegetal

Introduction

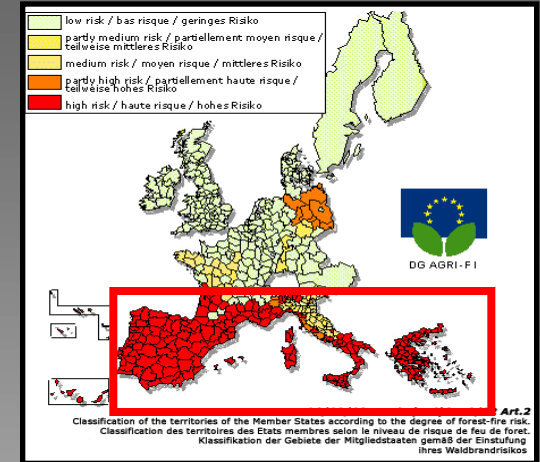
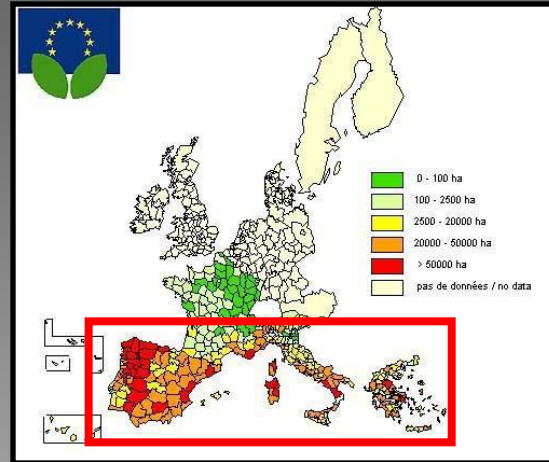
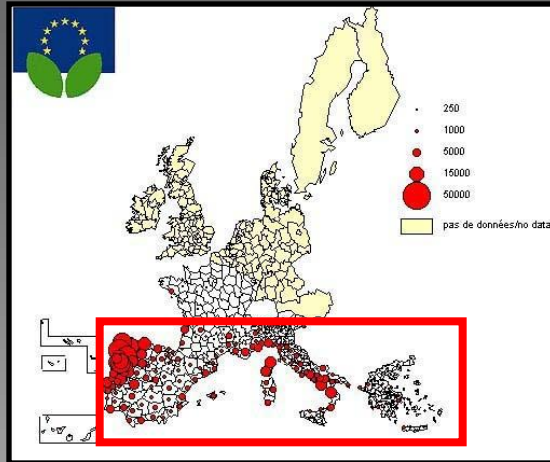
Objective

Methodology

Results

Conclusions

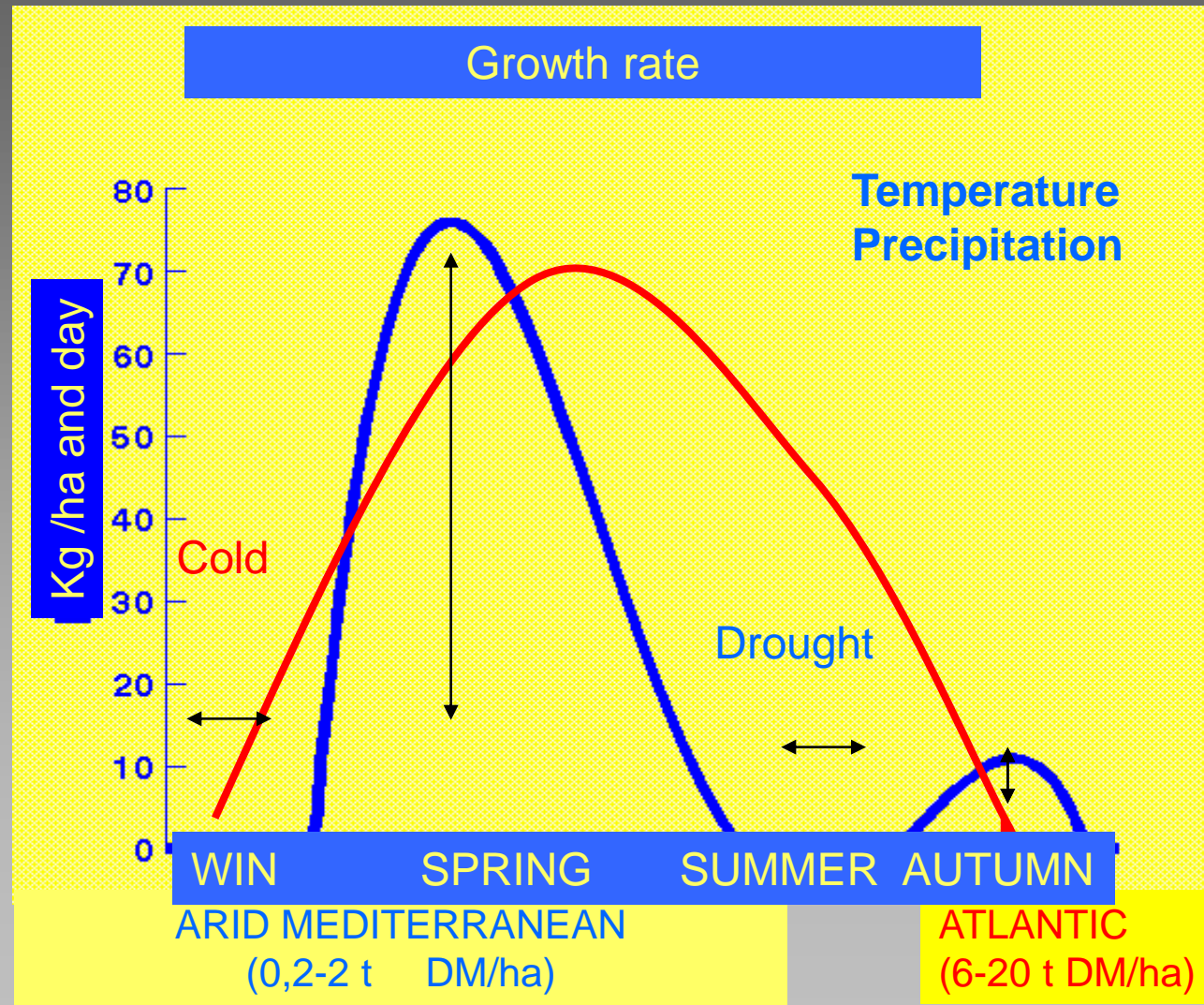
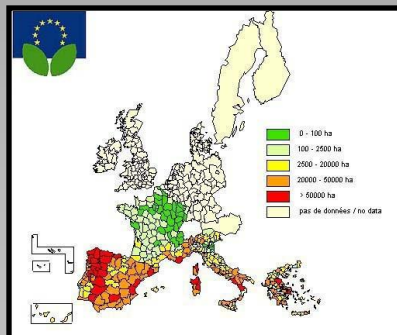
# Horse continuous and rotational grazing system effect on gorse (*Ulex europaeus* and *Ulex gallii*) production understory developed under *Pinus radiata* stand



- Climate
- Fuel
- Management

# Horse continuous and rotational grazing system effect on gorse (*Ulex europaeus* and *Ulex gallii*) production understory developed under *Pinus radiata* stand

- Climate
- Fuel
- Management



*Horse continuous and rotational grazing system effect on gorse (Ulex europaeus and Ulex gallii) production understory developed under Pinus radiata stand*

---

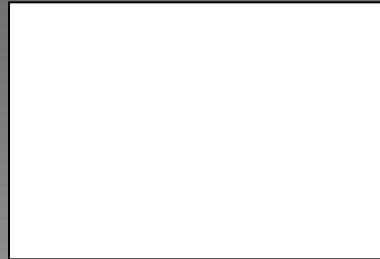
- Climate
- Fuel
- Manegement



*Horse continuous and rotational grazing system effect on gorse (Ulex europaeus and Ulex gallii) production understory developed under Pinus radiata stand*

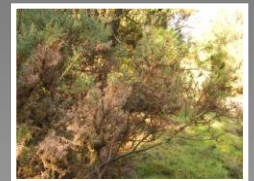
## Manegement

- Continuous

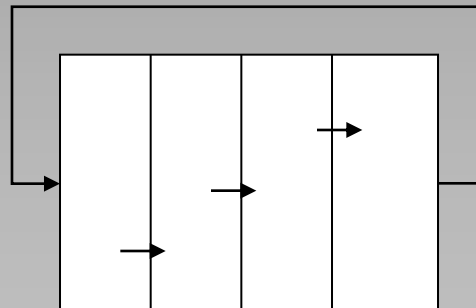


Cheaper

Simple



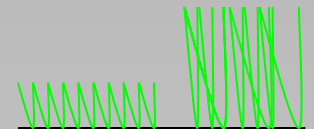
- Rotational



Expensive

Difficult

More productive



Introduction

Objective

Methodology

Results

Conclusions

*Horse continuous and rotational grazing system effect on gorse (Ulex europaeus and Ulex gallii) production understory developed under Pinus radiata stand*

---

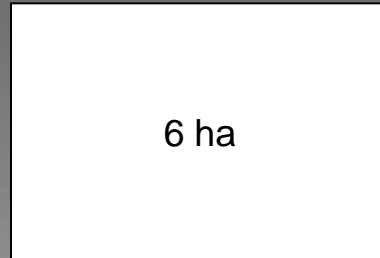
- Rotational vs continuous
  - Biomass productivity
  - DM
  - Biodiversity



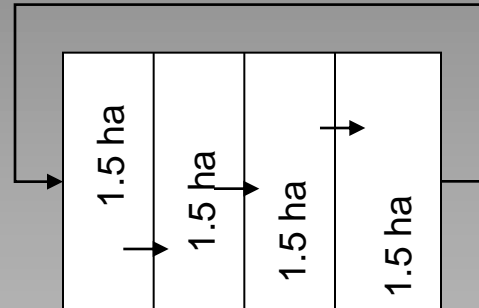
# Horse continuous and rotational grazing system effect on gorse (*Ulex europaeus* and *Ulex gallii*) production understory developed under *Pinus radiata* stand

## Treatments

- Continuous



- Rotational



MVMC San Breixo: 0.33 horses per ha  
Randomized blocks with 2 replicates  
2 years grazing // 2 years post-grazing

## Sampling

3 x 1 m<sup>2</sup> (monthly)

## Laboratory

\* Dry matter (DM)

\* Botanical analyses

Introduction

Objective

Methodology

Results

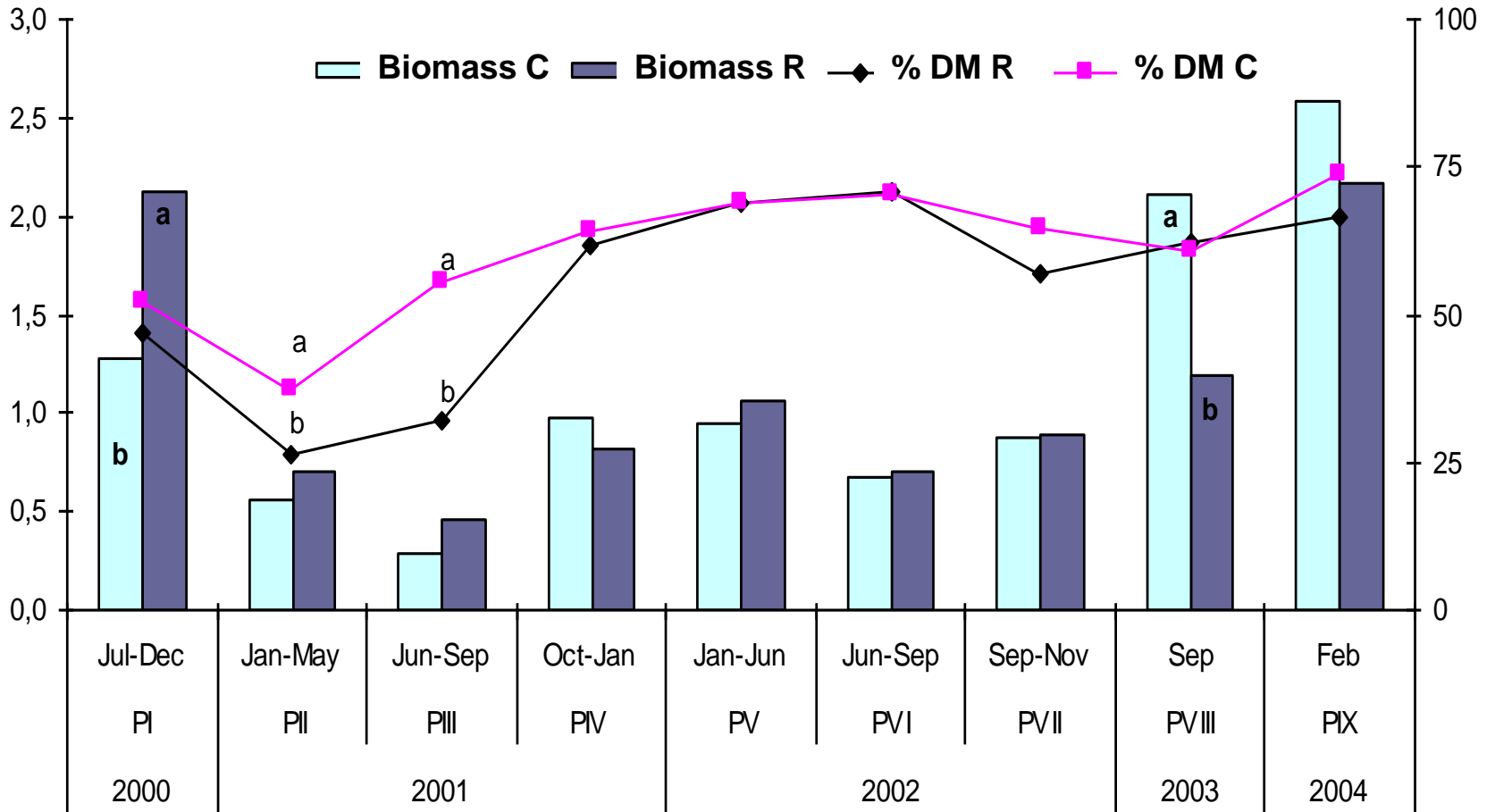
Conclusions

*Horse continuous and rotational grazing system effect on gorse (Ulex europaeus and Ulex gallii) production understory developed under Pinus radiata stand*

---

- Management effect
  - **Biomass production**
  - **Biodiversity**



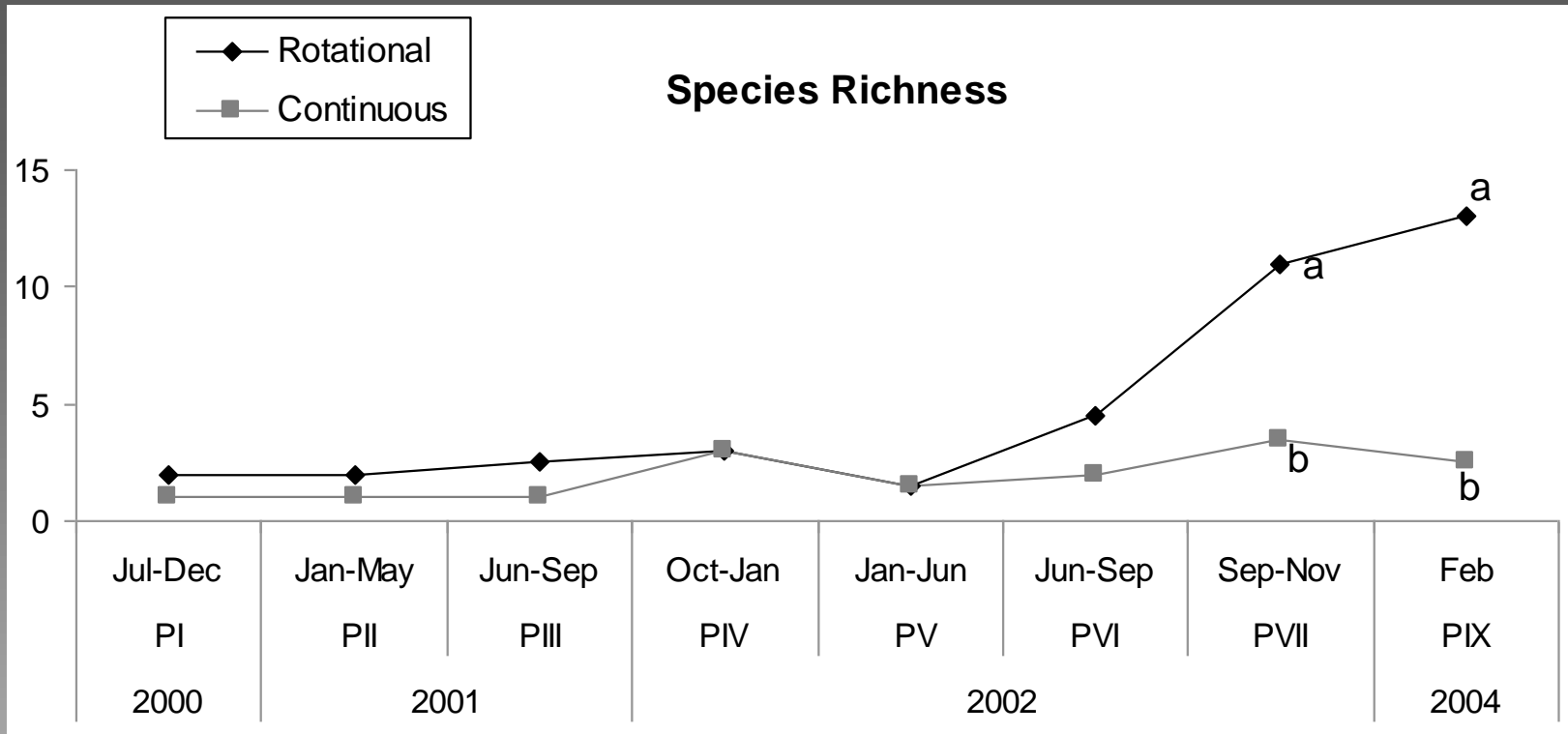


*Horse continuous and rotational grazing system effect on gorse (Ulex europaeus and Ulex gallii) production understory developed under Pinus radiata stand*

---

- Management effect
  - Biomass production
  - **Biodiversity**





Introduction

Objective

Methodology

Results

Conclusions

*Horse continuous and rotational grazing system effect on gorse (Ulex europaeus and Ulex gallii) production understory developed under Pinus radiata stand*

---

- Rotational vs. continuous
  - Better initial control with Continuous grazing
  - Rotational and Continuous: adequate control
  - Better final control: Rotational grazing
  - Rotational grazing: increases biodiversity

**Economic: Continuous**

**Ecologic and fire control: Rotational**



**THANKS A LOT!  
DANKE!**

**[mrosa.mosquera.losada@usc.es](mailto:mrosa.mosquera.losada@usc.es)**