

Universidad de Valladolid



Universidad de Valladolid

UVa

Eight Centuries of History



<https://youtu.be/Wsls-Vmaf0>

Do you know that...?



13th
century

Yes!

The UVa was established in 1241

We are one of the oldest universities in the world

We have...

4
campuses

4
cities



24
faculties and technical schools

13,361,504€
derived from the investigation



18
research laboratories

12
University Institutes



+23,000
students every year

54%
female students

5
halls of residence and University apartments

14
libraries and study areas

1.882 professors
374 researchers

45%
female professors

85.23% success rate
12.3 ratio student/teacher

We offer...

70
degree courses

13
double degrees

+70
official master's courses

19
BA/MA international degrees

6
international semesters

+200
ongoing training courses

29
doctoral programmes

176
recognised research groups

Internationalization

the opportunity to study in
79
countries

411
UVA student internships abroad

1,493 foreign students at the UVa
750 UVA students studying abroad

1,274
currents agreements signed with approximately

500
universities / institutions



Language centre

English
French
German
Italian
Portuguese
Arabic
Russian
Chinese
Japanese
Hindi
Sanskrit

+3,000
students
learning
languages at the
UVa each year



+2,000
students from **26** countries

learning
Spanish at the
UVa* each year

43% America
28% Europe
25% Asia
4% Africa

*Centre Officially
recognised by the
Cervantes Institute

At the **Language Centre**, you can learn languages and **get to know other cultures** while making **new friends from all over the world**.

Employability and more

4,801 internships

6,819 agreements
with enterprises
and institutions

Área de
Asesorías
Sociales
AS



Inclusive Education

Our goal is to achieve integration and education for all. We have a variety of programs, activities and initiatives with this aim.

Nearly
4,000 graduates
per year

health+

medical facilities (gynaecological, phoniatic and psychological free of charge)

UVa sport services

12,451 participants
in sports activities

90,000€
Allocated to the Development
Cooperation Fund



+18,000 attendees of
cultural activities

5,800 scholarships and grants
granted each year

150 doctoral thesis defended
169 patents since 2007

Rankings



**RANKINGS TIMES HIGHER
EDUCATION (THE)**

101-125th
European Teaching Rankings 2019

101-200th
University Impact Ranking 2019

101-200th
Impact Rankings: Good health
and well-being for people 2019



Shanghai ARWU Subject 2019

201-300th in Atmospheric Science
201-300th in Food Science & Technology
301-400th in Agricultural Sciences
301-400th in Biotechnology
301-400th in Chemical Engineering
401-500th in Education



Universidad de Valladolid

UVa

PA~
LEN
CIA

Campus de Palencia



SUSTAINABLE DEVELOPMENT GOALS



Forests and Natural Resources

BACHELOR

Forestry

MASTER

Forest
Engineering
MEDFOR
DATAFOREST

PhD

Forest
Science

Forests and Natural Resources

RESEARCHERS

~ 80 Senior

~ 50 PhD
students (40%
females)

PROJECTS

1,000 k €/year

48%
international
funds

PUBLICATIONS

~100 per year

Q1 85%

D1 40%



Instituto
Universitario de Investigación

iuFOR GESTIÓN
FORESTAL
SOSTENIBLE

<http://sostenible.palencia.uva.es/>





MEDfOR

Specialization on
Adaptive forestry strategies
to provide good and
services while coping with
global change challenge

University of Valladolid, Spain



Co-funded by the
Erasmus+ Programme
of the European Union

UVa

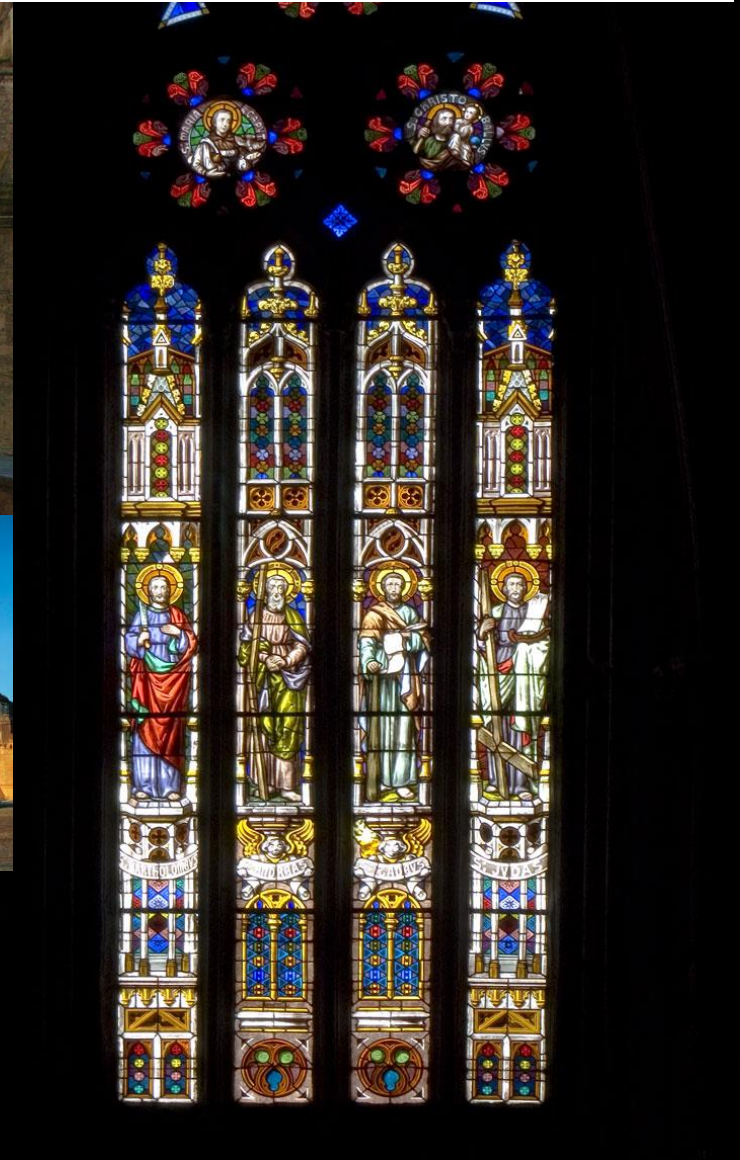


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Palencia
University of Valladolid, Spain



Heritage



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University of Valladolid, Spain

Heritage



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University of Valladolid, Spain

Magnificent nature



MEDfOR

Palencia
University of Valladolid, Spain



Great diversity of forest ecosystems and plantations



Experience on multiple functionality and risks



ERASMUS MUNDUS MSc *in* Mediterranean Forestry and Natural Resources Management



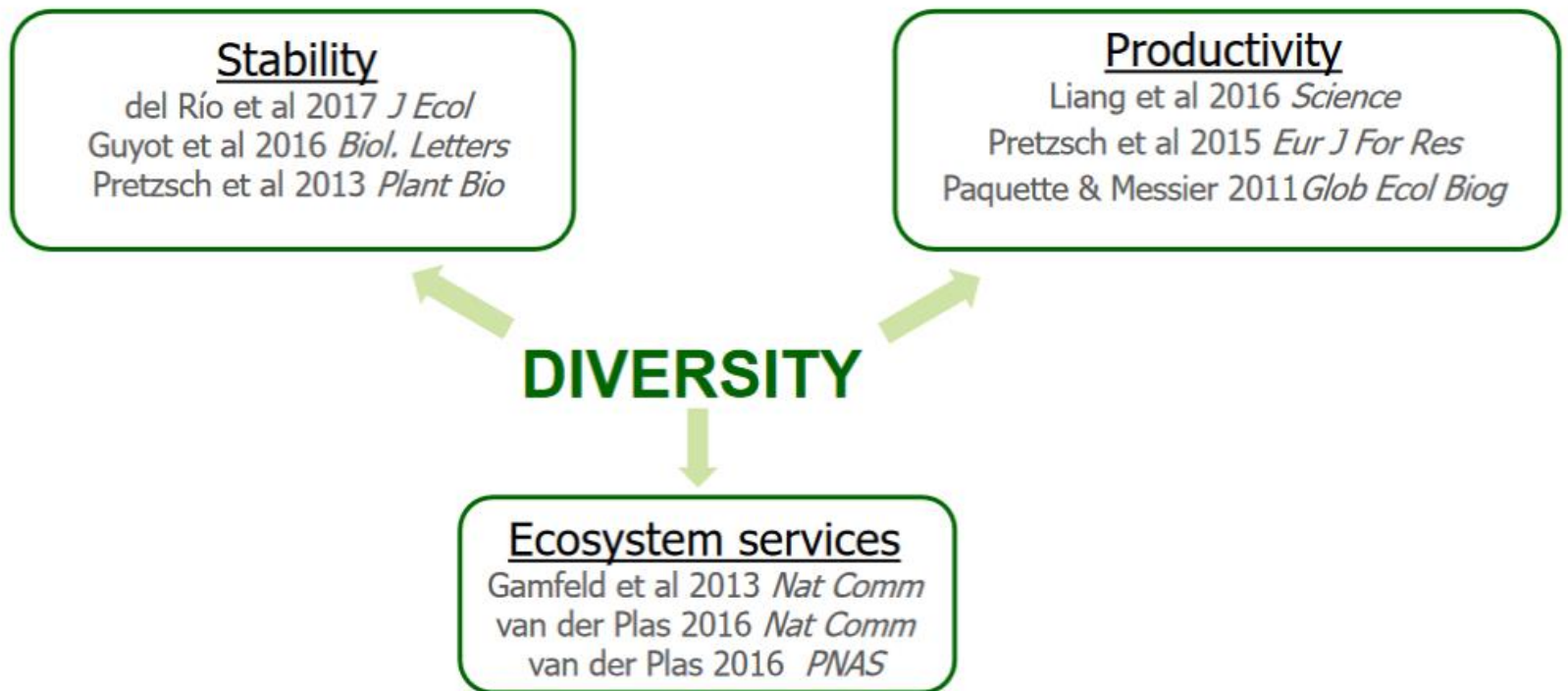
Adaptive forestry
strategies to provide
good and services
while coping with
global change
challenge

- **Four courses and a seminar**
practical examples and cases study approach.

Specialization: Adaptive forestry strategies

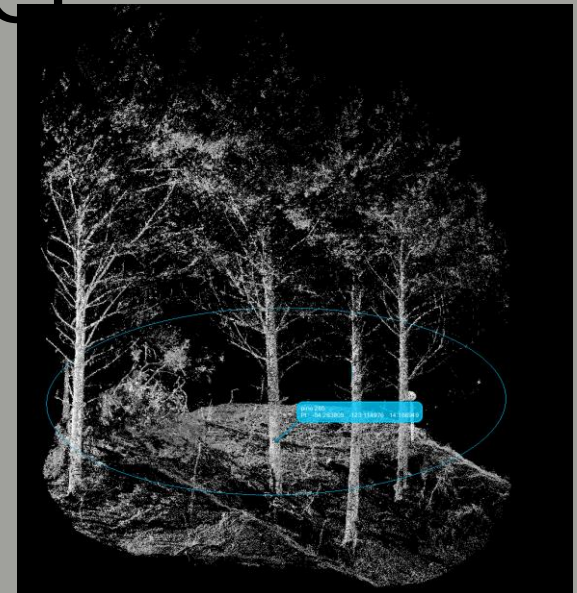
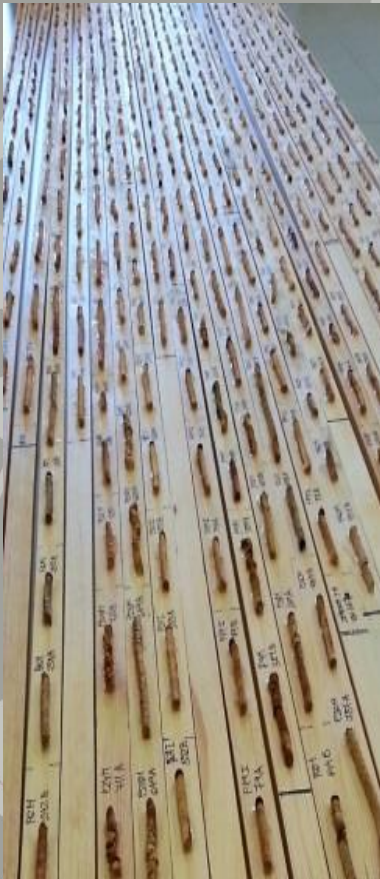
1. Silviculture under multifunctional objectives
2. Genetic resources conservation and Molecular Markers
3. Forest pest and diseases
4. Geo-Statistical Analysis
5. Learning by doing in forestry: New tools for new challenges

Specialization: Adaptive forestry strategies



Specialization: Adaptive forestry strategies

MASTER ON FOREST MANAGEMENT BASED ON DATA SCIENCE



Course: Silviculture under multifunctional objectives

Focused on *Bioecological scientific principles as basis for the management of Mediterranean forests.*

Special emphasis on *Non woody productions, Wildlife, Water, Risk prevention*



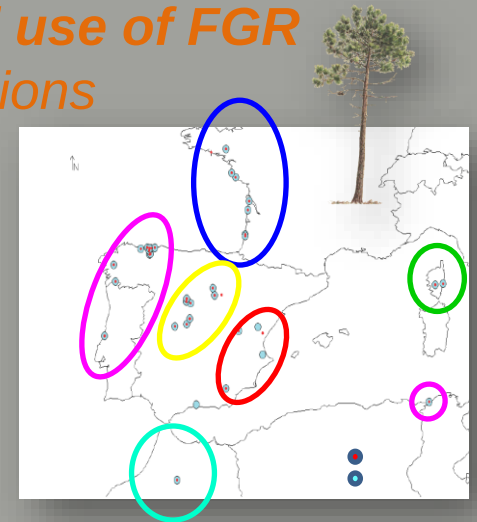
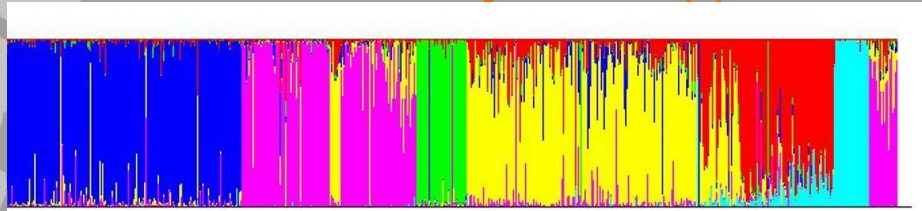
Subjects

- **Silvicultural diagnostic** of the forest ecosystem
- Tools for evaluate the **impacts and effects** of the silviculture on the forest ecosystem
- **Design silvicultural treatments** to attain specific objectives

Course: Genetic Resources Conservation and Molecular markers

Focused on

- i) Main problems and strategies for conservation and use of FGR*
- ii) Molecular tools to measure diversity and support decisions*



Subjects

- ✓ Evaluate the **need of conservation** of particular GR
- ✓ Decide the **strategy of conservation and use**
- ✓ Choose the **molecular tools** suitable to identify genotypes and measure diversity in forest species

Course: Forest Pest and Diseases

Focused on

identification, diagnostic and sustainable management of most relevant Forest Pest and Diseases in Mediterranean ecosystems

Subjects

- ✓ **Biology and dynamics** of main native and invasive insects
- ✓ **Sustainable management** of forests pest by semiochemicals
- ✓ **Biological control** of forest pests
- ✓ **Diagnostic of abiotic and biotic pathogens**
- ✓ **Management** the main forest pathogens from the Mediterranean forest



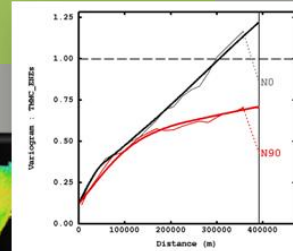
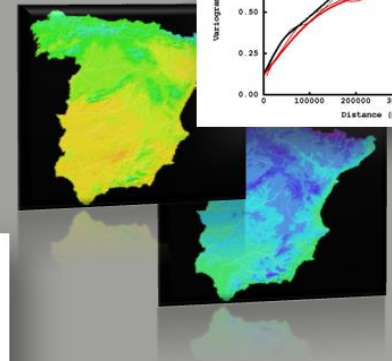
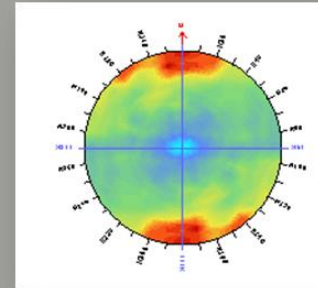
Course: Geo-Statistical Analysis

Focused on

Geo-statistical analyses applied to forest management
Data gathering (LiDAR, UAVs, Copernicus)
Q-GIS & R packages

Subjects

- ✓ Visualizing and exploring spatial data
- ✓ Point pattern analysis with “R”
- ✓ Unmarked, Multitype and marked point patterns
- ✓ Geostatistics: Univariate structural analysis and spatial prediction
- ✓ Geostatistics: Bivariate structural analysis and spatial prediction
- ✓ Spatial regression
- ✓ Data gathering: LiDAR (ALS, TLS), UAVs (Drones) and Copernicus



Learning by doing in forestry: New tools for new challenges

*Focused on
Adaptive forest management*

Subjects

- ✓ **Identify the main impacts of global change on forestry** and its opportunity to **mitigate** the Global Change effects
- ✓ Use different **quantitative approaches** to evaluate, monitor and design silvicultural methods
- ✓ Elaborate **models** to project silvicultural paths
- ✓ **Design experiments** to obtain useful information to operational forestry



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Palencia
University of Valladolid, Spain

Spanish language course



International field trip jointly with other masters programs
#DataForest, Montes...

Les Landes (France)

EFI Forest
plantations facility,
INRA,
Bordeaux Agriculture
and Forestry
School...



Field trip jointly with Oregon State University



Forest Resources Management in Spain

Cultural, Political and Biophysical Contexts



A highly qualified and
motivated Research &
Education Staff: UVa-INIA



SCAN ME

SCAN ME



Internships on different forest situations (ecosystems and social dimensions)



Internships on different forest situations (ecosystems and social dimensions)



**International
Model Forest
Network**

Internships on different forest situations (ecosystems and social dimensions)



Food and Agriculture Organization
of the United Nations

Earth Observation Experts

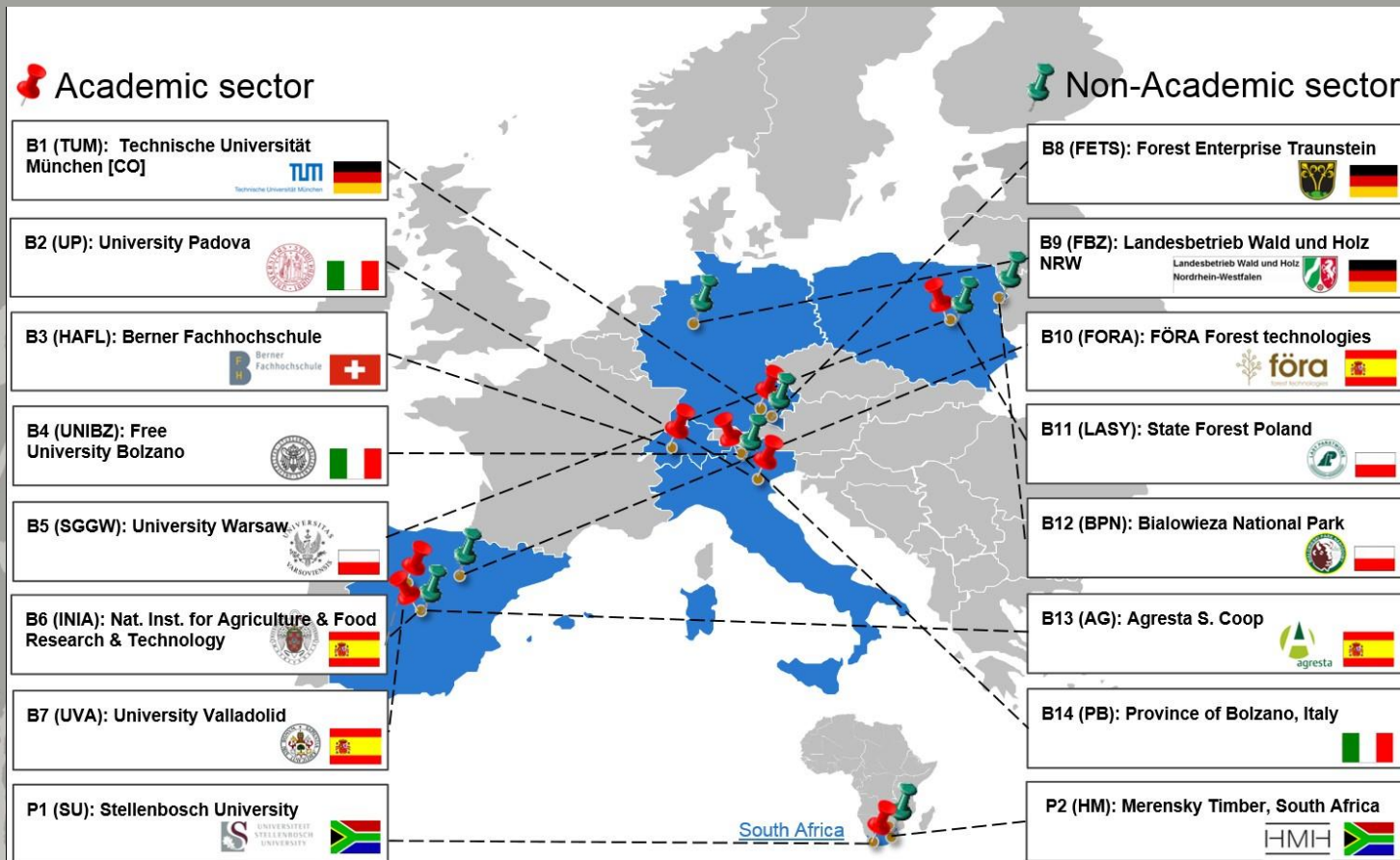
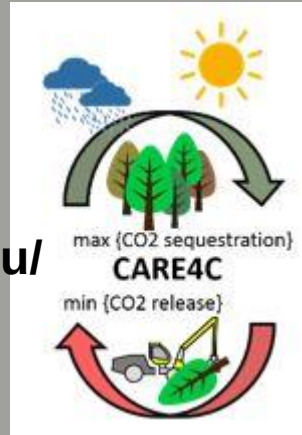


Connecting knowledge to action

The European Forest Institute is an international organisation established by European States. We conduct research and provide policy support on forest-related issues, connecting knowledge to action.

Internships on different forest situations (ecosystems and social dimensions)

<http://www.care4c.eu/>



Carbon matters in Forests – Participants of the CMF consortium

Internships on different forest situations (ecosystems and social dimensions)

Uva in Vietnam



Sustainability
effective and long-lasting

Caring for the future



Internationalization
diverse and multi-cultural

Capacity for students and staff

<http://vietnam.uva.es>



Investment in Sustainable
Forestry
organic and sustainable

Bridging economy and ecology



Internships on different forest situations (ecosystems and social dimensions)

UVa in Ethiopia



<https://sustfungi.com/>



1. የአስተዳደር ዕቅዶች አተገባበር

ተጨማሪ መረጃ



2. የተጠየቁ ዝርያዎችን ማልማት

ተጨማሪ መረጃ



3. የተፈጥሮ እና ሥነ-ምህዳራዊ ሀብቶች ጥበቃን ለማሳደግ የአካባቢ ጥበቃ ትምህርት መርሃ ግብር

ተጨማሪ መረጃ



4. የውጤቶች መግባባት ፣ ግንዛቤ እና ማስራጨት

ተጨማሪ መረጃ



Internships on different forest situations (ecosystems and social dimensions)

TROPICAL Forests



UNIVERSIDAD
NACIONAL
DE COLOMBIA



ሀዋሳ ዩኒቨርሲቲ
HAWASSA UNIVERSITY



MEDfOR

MASTER THESIS (30 ECTS)

Palencia

University of Valladolid, Spain

Forest risks & protection:

Fires, pests, diseases

Silviculture: Biodiversity,

REDD+,
Mushrooms,...

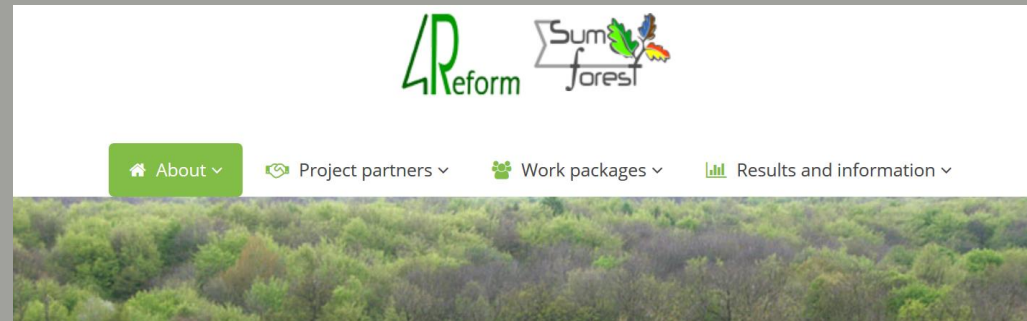
Modelling:

Growth, Spatial analysis, Cloud computing

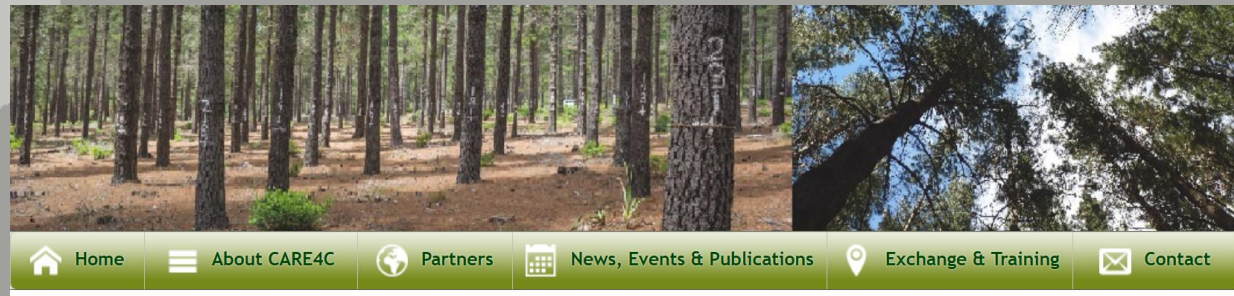
Genetics

Social forestry

Forest Citizen Science



<http://www.reform-mixing.eu/>



<http://www.care4c.eu/>

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Palencia

University of Valladolid, Spain

**MASTER
THESIS (30
ECTS)**

**Forest risks &
protection:**
Fires, pests, diseases

Silviculture:
Biodiversity, REDD+,
Mushrooms,...

Modelling:
Growth, Spatial analysis,
Cloud computing

Genetics



COST ACTION FP1203: EUROPEAN NON-WOOD FOREST PRODUCTS (NWFPs) NETWORK



PROPINEA

Proyecto

Recursos

El mundo del Piñón

Bosques de Valladolid

Boletines

Mapas

Investigación

Estudios de rendimiento y factores de producción



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**MASTER
THESIS (30
ECTS)**



TUM School of Life Sciences
Technical University of Munich

**Forest risks &
protection:**
Fires, pests, diseases



**WARSAW
UNIVERSITY
OF LIFE SCIENCES**

Silviculture:
Biodiversity, REDD+,
Mushrooms,...



المدرسة الوطنية الفابوية للمهندسين
•ΗΕΛΟΘ. •ΗΕΙΕ. •ΗΥ.ΘΕ. •ΗΗΕΦΙΛΘΞΙ
ECOLE NATIONALE FORESTIERE D'INGENIEURS

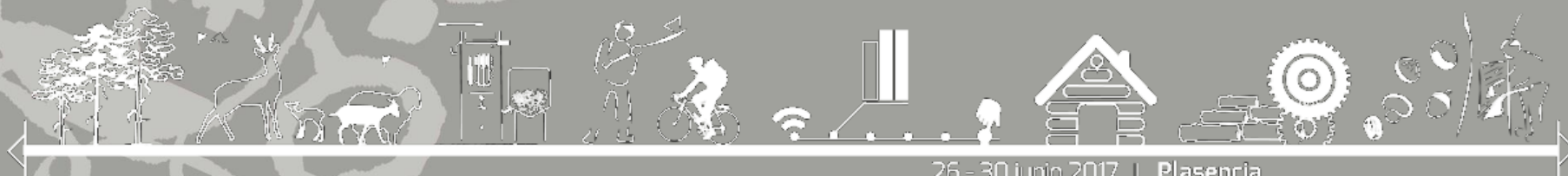
Modelling:
Growth, Spatial analysis,
Cloud computing

Genetics

It can be done by **SNGULAR**



Gestión del monte: servicios ambientales y bioeconomía



26 - 30 junio 2017

Plasencia
Cáceres, Extremadura

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And beyond the Master Thesis...



EUROPEAN FOREST INSTITUTE



Oregon State
UNIVERSITY

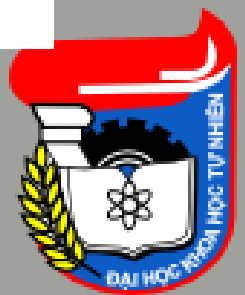


INTERNATIONAL UNION
OF FOREST RESEARCH
ORGANIZATIONS



ሀዋሳ ዩኒቨርሲቲ

HAWASSA UNIVERSITY



MEDfOR

Palencia
University of Valladolid, Spain

<http://relint.uva.es>

[https://youtu.be/Wsls -Vmaf0](https://youtu.be/Wsls-Vmaf0)

**See you back in
Palencia!!**

Thanks

felipe.bravo@uv

<https://www.linkedin.com/in/felinebravoovi>