Universidad de Valladolid

UVa

UniversidaddeValladolid

UVa

Eight Centuries of History

https://youtu.be/Wsls_-Vmaf0

UniversidaddeValladolid

UVa

Do you know that...?

13th century

Yes!
The UVa was established in 1241
We are one of the oldest universities in the world

+23,000 students every year

1.882 professors
374 researchers

54% female students

45% female professors

85.23% success rate
12.3 ratio student/teacher

We have...

4 campuses | **4** cities

Palencia, Valladolid, Soria, Segovia

24 faculties and technical schools

13,361,504€ derived from the investigation

18 research laboratories

12 University institutes

5 halls of residence and University apartments

14 libraries and study areas

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

you are *in*

UniversidaddeValladolid

UVa

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

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

learning **Spanish** at the UVa* each year

*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

Nearly **4,000** graduates per year

Área de Asuntos Sociales UVa 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.

health +

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

UVa **sport** services

12,451 participants in sports activities

+18,000 attendees of **cultural activities**

90,000€
Allocated to the Development Cooperation Fund

5,800 scholarships and grants granted **each year**

you are **in**

150 doctoral thesis defended

169 patents since 2007

Rankings

THE WORLD UNIVERSITY 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

ACADEMIC RANKING OF WORLD UNIVERSITIES

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

UniversidaddeValladolid

Campus de Palencia

UniversidaddeValladolid

Campus de Palencia

UVa PALENCIA

UniversidaddeValladolid

Campus de Palencia

UVa PALENCIA

Forests and Natural Resources

BACHELOR
Forestry

MASTER
Forest Engineering
MEDFOR
DATAFOREST

PhD
Forest Science

UniversidaddeValladolid

Campus de Palencia

UVa PALENCIA

Forests and Natural Resources

RESEARCHERS

~ 50 Senior

~ 50 PhD students (40% females)

PROJECTS

660 k €/year

48% international funds

PUBLICATIONS

~90 per year

Q1 80%

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

MEDfOR

UVa

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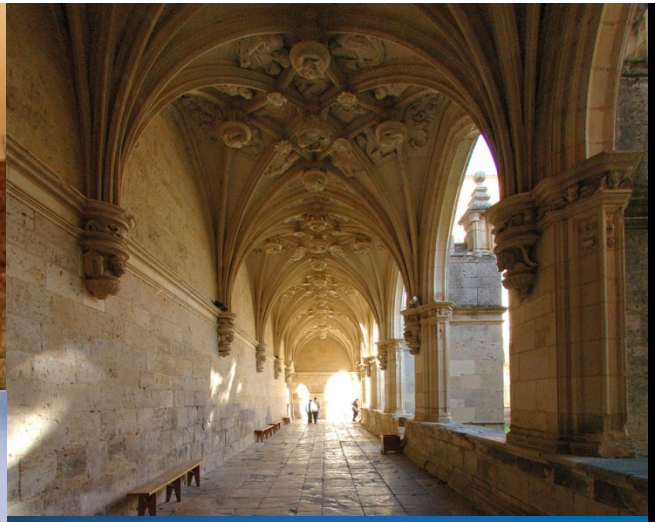
Palencia

University of Valladolid, Spain



Heritage

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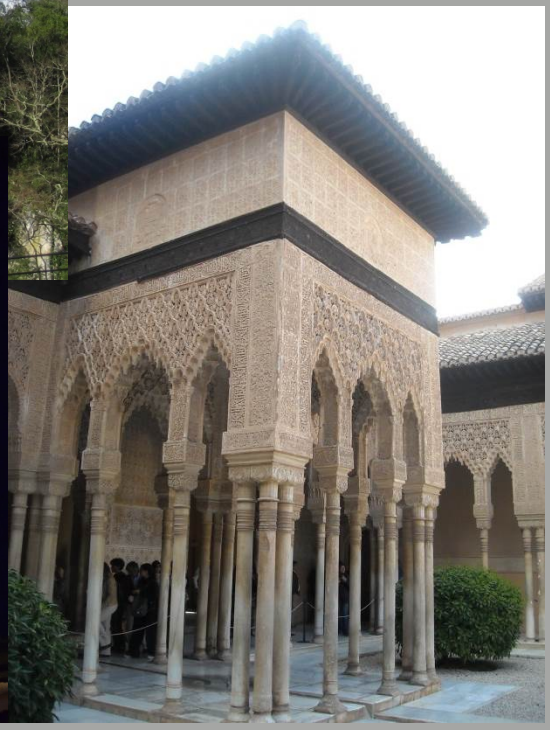
Palencia

University of Valladolid, Spain

Heritage



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Great diversity of forest ecosystems and plantations

Experience on multiple functionality and risks

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

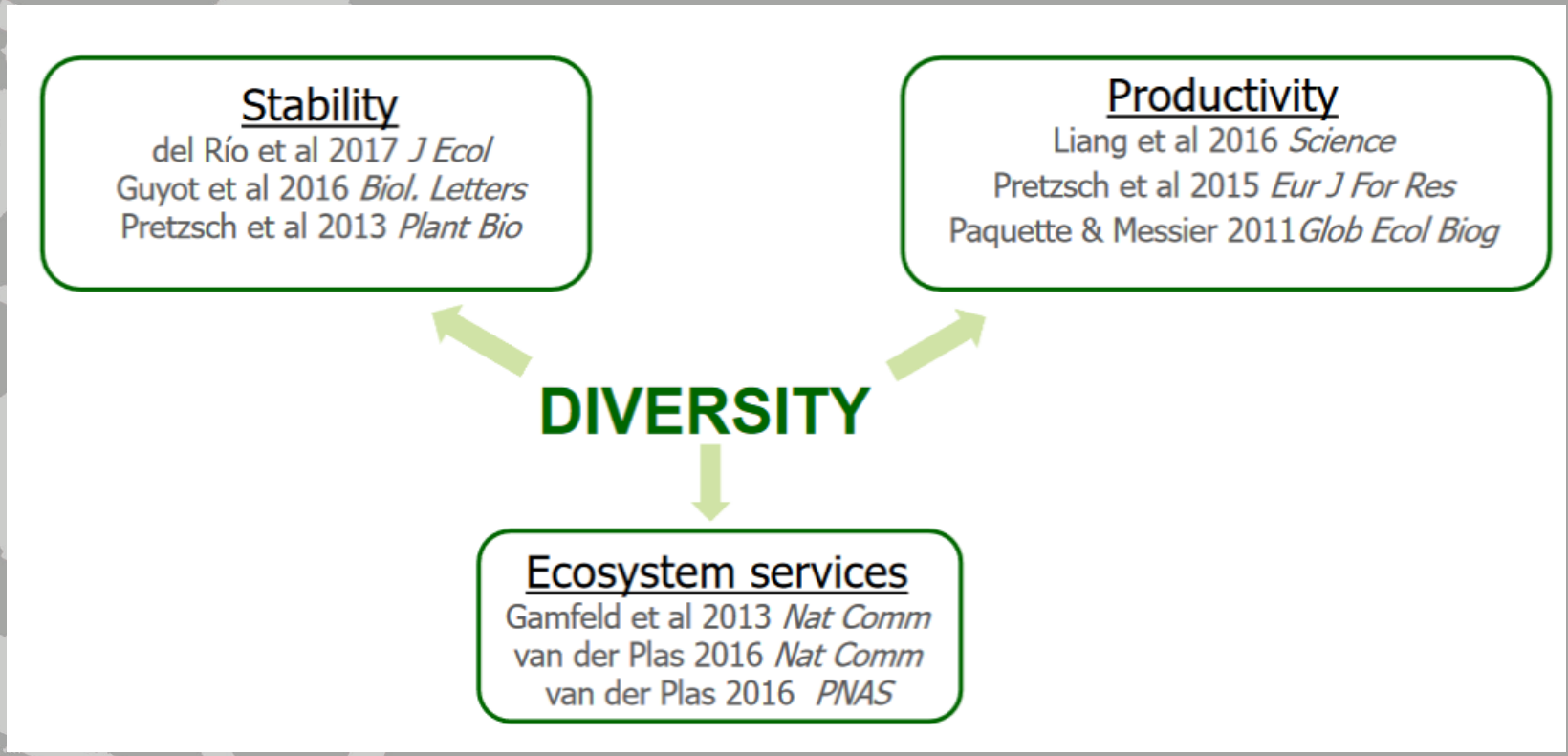
Adaptive forestry strategies to provide good and services while coping with global change challenge

➢ **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



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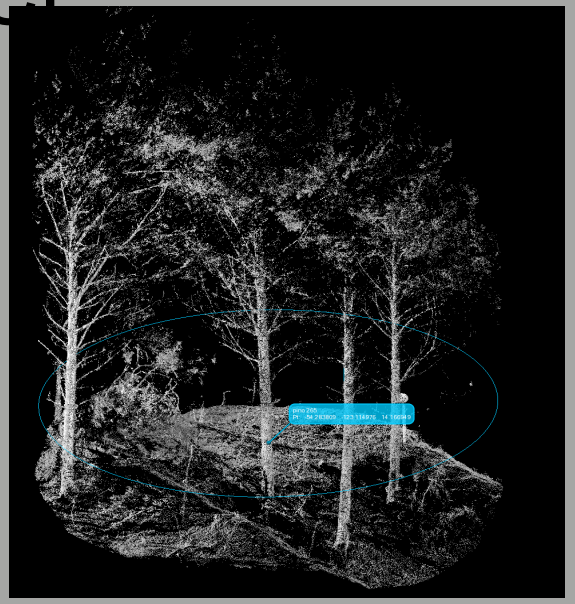
Specialization: Adaptive forestry strategies

MASTER ON FOREST MANAGEMENT BASED ON DATA SCIENCE



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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**

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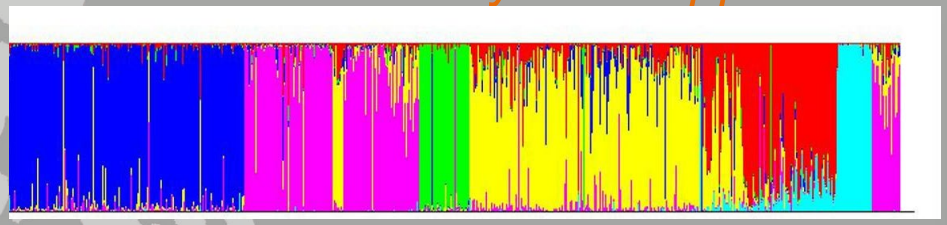
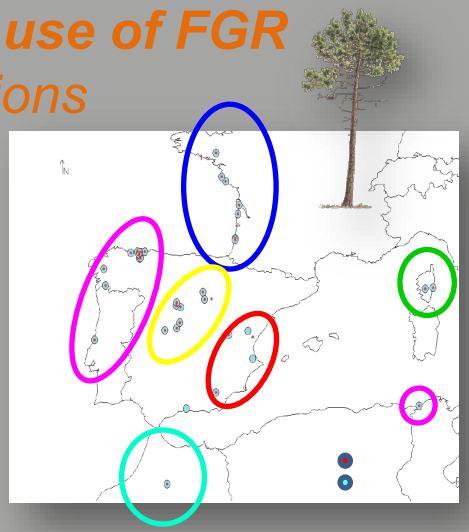
Course: Genetic Resources Conservation and Molecular markers

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

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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**

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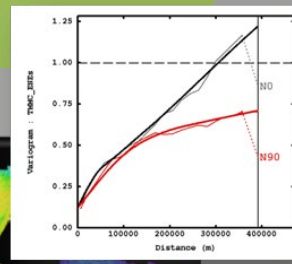
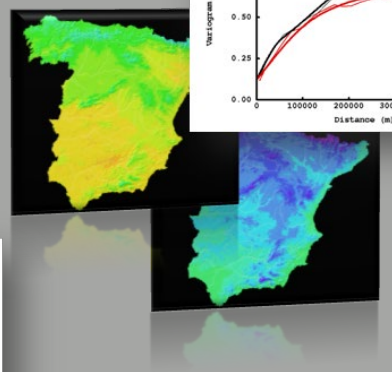
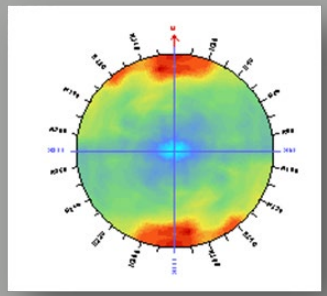
Course: Geo-Statistical Analysis





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**

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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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Spanish language course

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

Les Landes (France)

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

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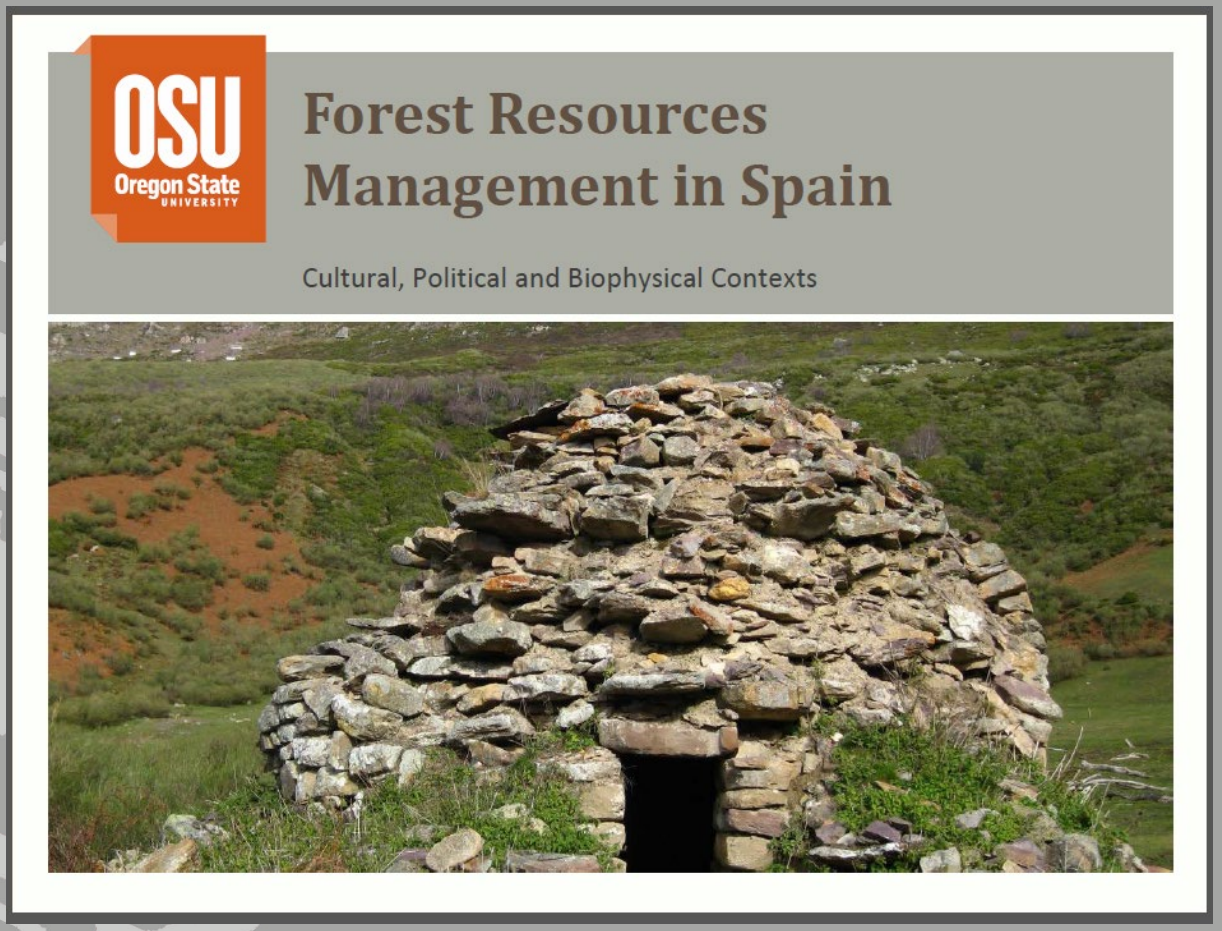
Field trip jointly with Oregon State University

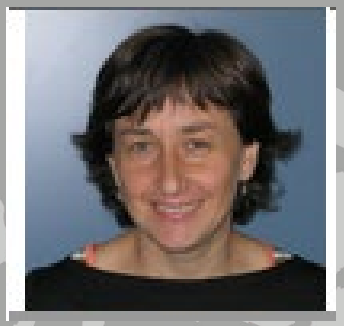


Instituto Universitario de Investigación iuFOR GESTIÓN FORESTAL SOSTENIBLE

Palencia

University of Valladolid, Spain

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



SCAN ME

SCAN ME

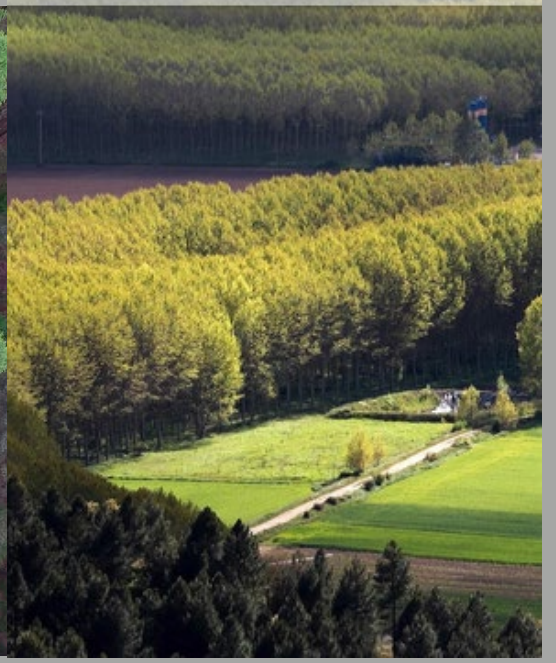
Interships *on different forest situations (ecosystems and social dimensions)*

föra
forest technologies

agresta

Interships on different forest situations (ecosystems and social dimensions)

BOSQUE MODEL PALENCIA



International Model Forest Network

***Interships** on different forest situations (ecosystems and social dimensions)*

Food and Agriculture Organization of the United Nations

Earth Observation Experts

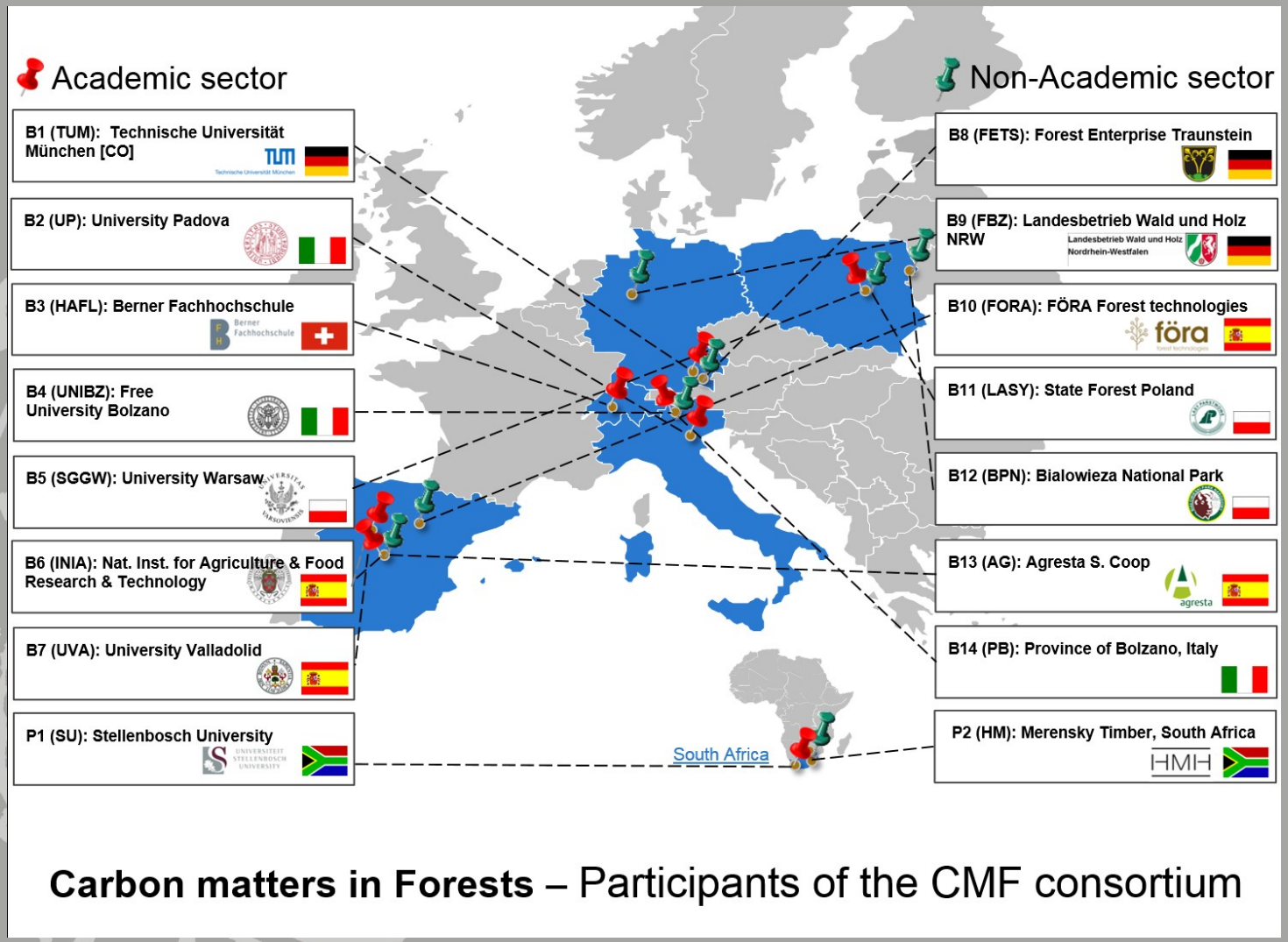
EFI

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

BioEcoN

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

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Internships ***on different forest situations (ecosystems and social dimensions)***

TROPICAL Forests

UNIVERSIDAD NACIONAL DE COLOMBIA

CATIE

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HAWASSA UNIVERSITY

MEDfOR

Palencia

University of Valladolid, Spain

MASTER THESIS (30 ECTS)

Forest risks & protection:
Fires, pests, diseases

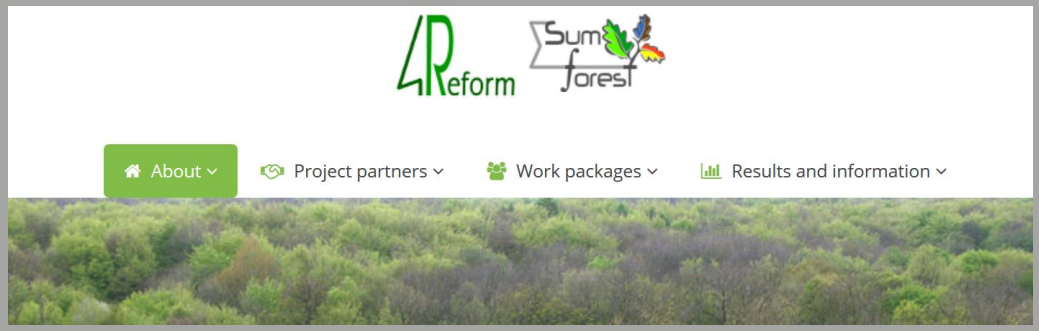
Silviculture: Biodiversity, REDD+,
Mushrooms,..

Modelling:
Growth, Spatial analysis, Cloud computing

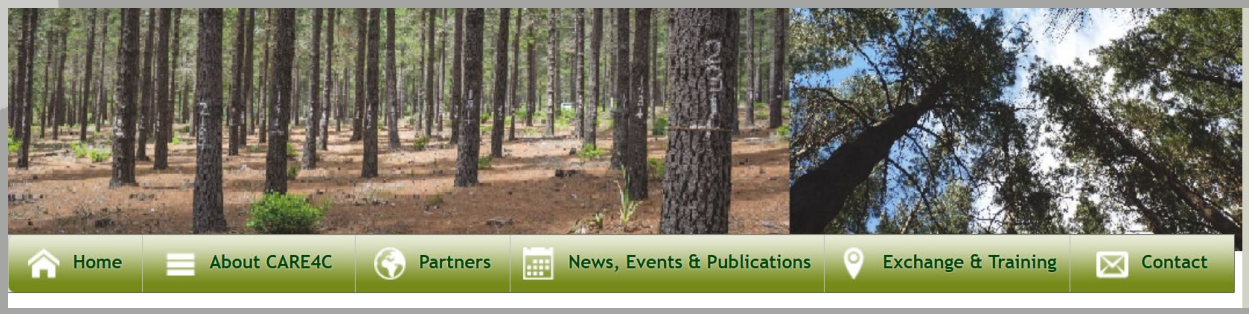
Genetics

Social forestry

Forest Citizen Science



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



http://www.care4c.eu/

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MASTER THESIS (30 ECTS)

Forest risks & protection:
Fires, pests, diseases

Silviculture:
Biodiversity, REDD+,
Mushrooms,..

Modelling:
Growth, Spatial analysis,
Cloud computing

Genetics

NWFP

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

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MASTER THESIS (30 ECTS)

Mediterranean Model Forest Network

TUM School of Life Sciences
Technical University of Munich

Forest risks & protection:
Fires, pests, diseases

IEFC
Institut Européen De La Forêt Cultivée

1816 SGGW
WARSAW UNIVERSITY OF LIFE SCIENCES

Silviculture:
Biodiversity, REDD+,
Mushrooms,..

المدرسة الوطنية الغابوية للمهندسين
ⴰⵍⵎⴷⵔⵙⴰ ⴰⵍⵓⵟⵏⵢⴰ ⴰⵍⵖⴰⴱⵓⵢⴰ ⵍⵓⵍⵎⵀⵏⴷⵙⵉⵏ
ECOLE NATIONALE FORESTIERE D'INGENIEURS

Modelling:
Growth, Spatial analysis,
Cloud computing

It can be done by **SNGULAR**

Genetics

SECF

Sociedad Española de Ciencias Forestales

Gestión del monte: servicios ambientales y bioeconomía

26 - 30 junio 2017 | Plasencia
Cáceres, Extremadura

And beyond the Master Thesis…

http://relint.uva.es

https://youtu.be/Wsls_-Vmaf0

fbravo@pvs.uva.es

https://www.linkedin.com/in/felipebravooviedo/