



CENS

Center for Ecological-Noosphere Studies
National Academy of Sciences, RA



NAS RA
INTERNATIONAL SCIENTIFIC
EDUCATIONAL CENTER



ERASMUS+KA107 CREDIT MOBILITY PROJECT

(APRIL 20 – JULY 20, 2017)

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ERASMUS+KA107 CREDIT MOBILITY PROJECT

Project were implemented between ISEC NAS RA /CENS and University of Tuscia

opportunity for students to study and train abroad

enrich cultural and professional level;

development new multidisciplinary skills.



Slide 2

- PW1** Erasmus+ KA107 Credit Mobility Project implemented between ISEC NAS RA and University of Tuscia ISEC
Пользователь Windows, 9/28/2017
- PW2** wide range of opportunities for students and staff to
study and train abroad
Пользователь Windows, 9/28/2017
- PW3** creation of mobility projects for study and co-operation outside the European
Union in Partner Countries Higher Education
Пользователь Windows, 9/28/2017



DAFNE
Dipartimento di Scienze Agrarie e Forestali
(Department of Agriculture and Forest Sciences)

GIS and remote sensing for the study of crop canopy

Supervisor-Professor Raffaele CASA



UAV and Satellite data

| | UAV | Satellite |
|---------------|--|---|
| Advantages | <ul style="list-style-type: none">• Easy mobilization to any site• Flexible flight planning• Capable resolutions of less than 1 centimeter• Highly accurate• Almost instant feedback... | <ul style="list-style-type: none">• Low cost over large areas (some satellite data are free)• Sensors are consistent (position and time) and accurate• No mobilization requirements• Systematic acquisition and rich time series |
| Disadvantages | <ul style="list-style-type: none">• It is cutting edge technology and some operators are still learning how to deliver acceptable data quality• More susceptible to wind condition• Generally restricted in operation over urban areas and controlled airspace | <ul style="list-style-type: none">• Limited spatial resolution• Can be affected by cloud and atmospheric conditions• Capture time restricted to a fixed satellite orbit path |

Landscape Lab – one of the technically best equipped lab in Italy



Unmanned Aerial Vehicles (UAVs)

- UAVs (principles of work with UAVs)
 - Acquisition of UAVs images
 - Programs and techniques of work with UAV images
 - Image preprocessing
-

Acquisition of statistical skills



Faculty of Agraria



DIBAF

INNOVATION IN BIOLOGICAL
SYSTEMS, FOOD AND
FORESTRY

With Dr. Roberto
Moschetti, PhD



Acquisition of statistical skills

populations and parameters and how they differ from samples and statistics,
confidence intervals and their interpretation,
hypothesis testing procedures, including the critical value approach and the P -value approach,,
tests of proportion

Basic of Statistics

Minitub

- Statistical program for data analysis

R statistic

- R is a language and environment for statistical computing and graphics



ERASMUS PROJECT AS A LINK AND OPPORTUNITY

h Dr. Carlo Calfapietra and Dr.
iara Baldaccini (National
search Council (CNR), Institute
Agro-Environmental & Forest
logy (IBAF))



Instituto di Superiore di Sanita



Centro Grandi Attrezzature



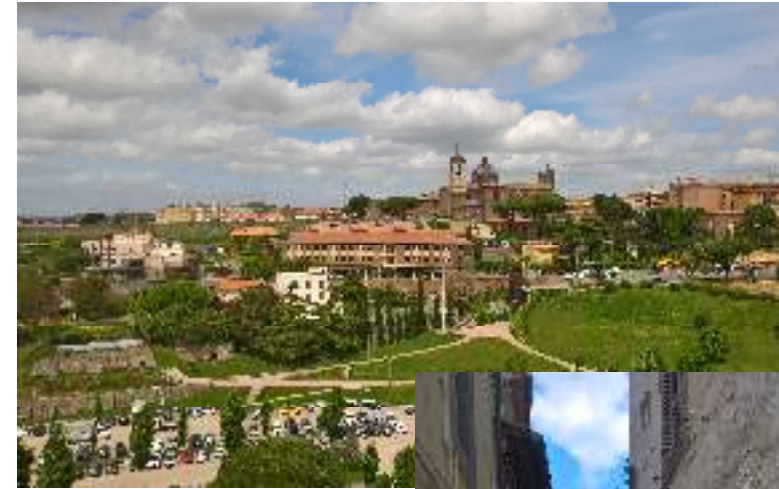
Sapienza –
Università di Roma



Discovering Italian Culture



VITERBO



San Pellegrino in fiore

Caffeina Festival



Discovering Italian Culture



Fontana di Trevi



Coliseo



Piazza Venezia



Palazzo di Giustizia

ROMA



Foro Romano



Basilica di San Pietro



Lungotevere

Discovering Italian Culture...

CIVITA DI BAGNOREG



Discovering Food Culture

