




Agripolis Campus, Legnaro
3rd October, 2016


**Welcome to the
4 PhD Programs of the
School of Agricultural Science and Veterinary Medicine**



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

Outline

- The School of Agricultural Sciences and Veterinary Medicine (Giuseppe Radaelli)
- The campus “Agripolis” (Susanne Klöhn)
- The 4 PhD programs (the 4 representatives of the programs)
- Your rights and duties (Davide Pettenella)
- Your future expected skills (Riccardo Da Re and Giulia Roder)
- Looking after the doctorate, in November 2009 ... (Francesco Benozzo and Laura Bano)






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**The School of Agricultural
Sciences and Veterinary
Medicine**

www.agrariamedicinaveterinaria.unipd.it

Giuseppe Radaelli



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
**School of Agricultural Sciences
and Veterinary Medicine**


DAFNAE Department of Agronomy, Food, Natural
resources, Animals, Environment

BA Department of Comparative Biomedicine and
Food Science

MAPS Department of Animal Medicine, Production
and Health

TESAF Department of Land, Environment, Agriculture
and Forestry








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School of Agricultural Sciences
and Veterinary Medicine

The **School** of Agriculture Sciences and Veterinary Medicine coordinates **courses that were formerly included in the Faculties** and are now assigned to the four Departments of the Agripolis campus.

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School of Agricultural Sciences
and Veterinary Medicine

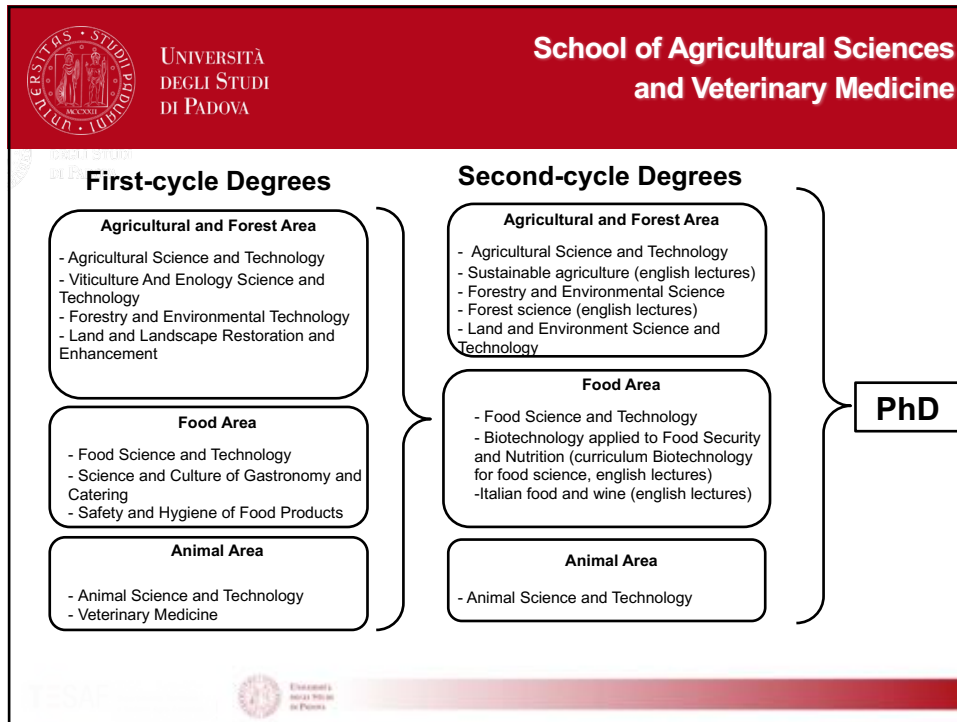
Our teaching programs cover 3 main fields of interest:

- agriculture and forestry
- food
- animal science.

The school coordinates the teaching activity of:

- 8 first cycle** level degrees,
- 9 second cycle** level degrees and
- 1 single cycle** level degree (veterinary medicine)

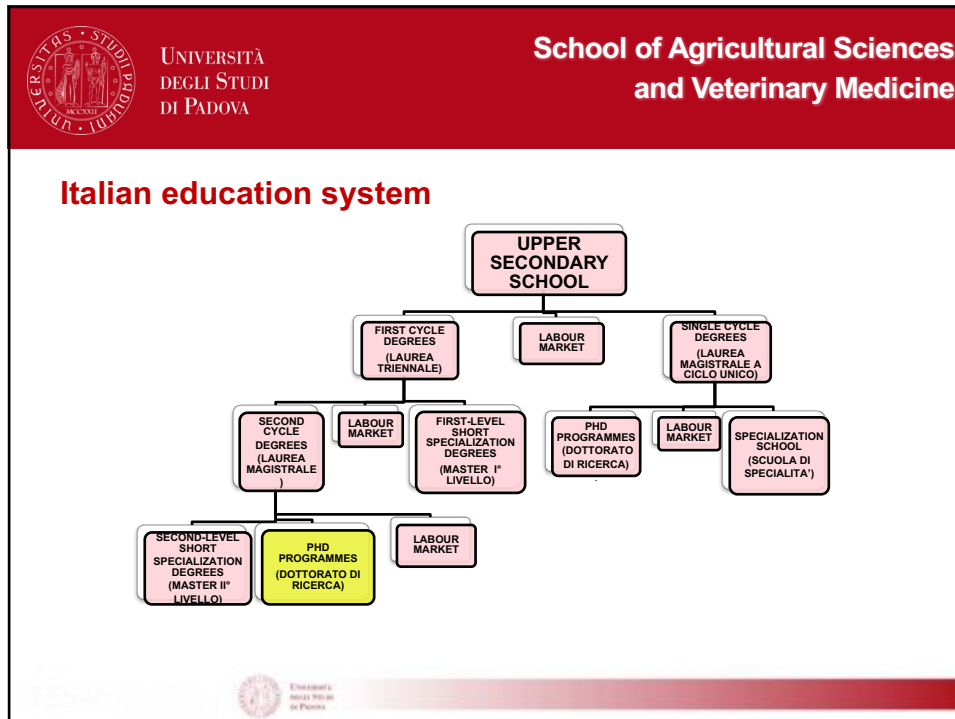





UNIVERSITÀ DEGLI STUDI DI PADOVA **School of Agricultural Sciences and Veterinary Medicine**

Since one of the main topics of the University of Padua is the internationalization, our school coordinates the teaching activity of four master degree entirely taught in English:

- Land, forest, resources & health
- Sustainable agriculture
- Biotechnologies for food science
- Italian food and wine



**School of Agricultural Sciences
and Veterinary Medicine**

The university tutor in Italy offers **a variety of services** to help students with their orientation and general academic efforts, to facilitate their active participation in the learning process, and to overcome any obstacles that could hinder their academic success.

TESAP



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School of Agricultural Sciences
and Veterinary Medicine

The **junior tutor**, is a graduate, post-graduate or PhD student who has been selected and trained to facilitate freshmen as they embark on their university journey and throughout their course of studies and, in particular, when their progression is slow or difficult.

The **selection** of Junior Tutors in Padua takes place in July and the training will take in **early September**.





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School of Agricultural Sciences
and Veterinary Medicine

tel. 049 827 2544-2605
e-mail: tutor.agrariamedicinaveterinaria@unipd.it

   Much used service

 Skype (tutorjunior.amv): a service no much used






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School of Agricultural Sciences and Veterinary Medicine

PhD students may be involved as **Teaching Assistant** (didactic support). A teaching assistant is an academic appointment in support of the practice of a course. Teaching assistants may assist in teaching a section of a course, lead discussions, and/or lead laboratory sections.

Teaching assistants average **no more than 20 hours**.

The **selection** for the applicants takes place in **September**.

TESAF



Dipartimento
Scienze Agrarie
e Veterinarie

[A video-guide to the campus](#)

TESAF

Dipartimento Territorio
e Sistemi Agro-Forestali



Dipartimento
Scienze Agrarie
e Veterinarie



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The campus “Agripolis”

www.agrariamedicinaveterinaria.unipd.it

Susanne Klöhn

Erasmus Office “Agripolis”



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History


- University of Padova (founded in 1222)
- Faculty of Agriculture (established in 1946)
- Faculty of Veterinary Medicine (established in 1994)
- Campus Agripolis since 1994





- Faculties closed in 2011
- New **School of Agricultural Science and Veterinary Medicine**




SCHOOL OF AGRICULTURAL SCIENCES
AND VETERINARY MEDICINE




Departments


 <p>DIPARTIMENTO DI MEDICINA ANIMALE PRODUZIONI E SALUTE - MAPS</p> <p><i>DEPARTMENT OF ANIMAL MEDICINE, PRODUCTION AND HEALTH</i></p>	 <p>DIPARTIMENTO DI BIOMEDICINA COMPARATA ED ALIMENTAZIONE - BCA</p> <p><i>DIPARTIMENTO DI BIOMEDICINA COMPARATA ED ALIMENTAZIONE</i></p>
 <p>DIPARTIMENTO DI AGRONOMIA ANIMALI ALIMENTI RISORSE NATURALI E AMBIENTE</p> <p><i>DEPARTMENT OF AGRONOMY, FOOD, NATURAL RESOURCES, ANIMALS AND THE ENVIRONMENT - DAFNAE</i></p> <p>SCHOOL OF AGRICULTURAL SCIENCES AND VETERINARY MEDICINE</p>	 <p>DIPARTIMENTO DI TERRITORIO E SISTEMI AGRO-FORESTALI - TESAF</p> <p><i>DEPARTMENT OF LAND, ENVIRONMENT, AGRICULTURE AND FORESTRY</i></p>




The campus "Agripolis"







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"Stecche"


"Stecca" - *Stick, wrong note (music), billiard cue, splint*

DAFNAE





Seconda Stecca
2nd Stecca
Lecture rooms: **SS**

TESAF



Prima Stecca
1st Stecca
Lecture rooms: **PS**







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Museum and Clinics

- Department BCA
- Vet didactic museum
- "Sala necro" and other Vet laboratories
- Vet hospital











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"Pentagono" Pentagon building



- Main lecture room (Aula magna)
- Lecture rooms
- Laboratories and Study rooms
- Wireless internet
- Computer Labs
- Library

Login and password for computer
you can receive from the Erasmus Office

Wifi "STUDENTI"
pw: agripolis









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Pentagon building Library "Pietro Arduino"





Same login and password
for library and lab
computers like wifi
"STUDENTI"

All students can have access to all the University libraries and
study rooms with their student cards
University Library System:
<http://bibliotecadigitale.cab.unipd.it/en/>
Study Rooms: <http://www.unipd.it/en/services/study-and-multimedia-facilities>




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CG - Cà Gialla

- Cafeteria/canteen (Mensa)
- Lecture rooms - CG
- AUSF
- Didactic secretary of the School
- Erasmus Office
- Student tutors






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Erasmus+ and other

- Erasmus+ studies
 - Based on bilateral agreement
 - Call for a.y. 2016/2017 in January
 - + Students get enrolled at the host university
- Erasmus+ for placement/tirocinio
 - Carrier Service: www.unipd.it/stage
 - Call for 2015/2016 is open
 - Ad hoc traineeship agreements with universities or research centres
 - + No enrolment as Erasmus student, but assurance covered by the university
- Internships without scholarship also outside Europe with support from the Carrier service**







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Erasmus+ Office

Susanne Kloehn

tel. 049 827.2538

fax 049 827.2529

e-mail:

erasmus.agripolis@unipd.it

Tuesday and Thursday:
9.30 – 12.30 or after
appointment

We *all* live under the same **sky**,
but **not all** of us have the **same horizon**.




Viviamo *tutti* sotto lo stesso **cielo**,
ma **non tutti** abbiamo lo **stesso orizzonte**.

(ANONIMO)



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The 4 PhD Programs



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The 4 PhD Programs

- **Animal and Food Science**
Coordinator: Stefano Schiavon

- **Land, Environment, Resources and Health**
Coordinator: Davide Pettenella

- **Veterinary Sciences**
Coordinator: Alessandro Zotti

- **Crop Science**
Coordinator: Antonio Berti



The 4 PhD Programs

<http://agrariamedicinaveterinaria.unipd.it/en/>



The screenshot shows the website interface for the School of Agricultural Sciences and Veterinary Medicine. At the top, there is a navigation bar with the university name and various links. Below it, a search bar is present. The main navigation menu includes 'SCHOOL', 'COURSES', 'STRUCTURES', 'SERVICES', 'DISCOVERING PADOVA', and 'INTERNATIONAL AREA'. The 'COURSES' menu is expanded, showing 'Courses', 'Degree programs', and 'PhD programs'. A red arrow points to the 'PhD programs' option. The main content area features a large image of the Agripolis campus with a red arrow pointing to the right. Below this, there are sections for 'INFO', 'OPPORTUNITIES', and 'NEWS', each with a right-pointing arrow. At the bottom, there are links for 'LECTURES ROOMS AND LABS' and 'MOODLE', also with right-pointing arrows. The University of Padua logo is visible in the bottom right corner.

PhD Course in Animal and Food Science



PHD COURSE IN ANIMAL & FOOD SCIENCE

Ph.D. ANIMAL & FOOD SCIENCE
UNIVERSITY OF PADOVA


DAFNAE  MAPS

http://webservice.dafnae.unipd.it/phdanim_food/en/



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Ph.D. ANIMAL & FOOD SCIENCE
UNIVERSITY OF PADOVA




INTRODUCTION

The post-graduate course in Animal and Food Science offers one of the best PhD degree courses in Italy.

DAFNAE is ranked first in Italy for the research quality in animal and food science.

The Course is located in the middle of a region characterized by intensive farming and animal rearing and by an extremely specialized food industry for the production of high quality Italian food and wine.

Three departments involved: BCA DAFNAE MAPS



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Ph.D. ANIMAL & FOOD SCIENCE
UNIVERSITY OF PADOVA



SCHOLARSHIPS AND OPPORTUNITIES

Programs and research activities in the fields of

- *Animal Science (genetics, feeding and nutrition, and management)
- *Food Science (food, wine and beverage processing, conservation, microbiology, sensory evaluation, and food safety).

The PhD course offers 7 to 10 scholarships/year, granted from different public and private institutions.

The CARIPARO bank foundation offers additional opportunity to participate to a call for foreign students.


The course, together with the China Scholarship Council (CSC), offers 2 scholarships to candidates from the People's Republic of China.



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Ph.D. ANIMAL & FOOD SCIENCE
UNIVERSITY OF PADOVA



TEACHING MODULES

First year:

- General and specific teachings
- Definition of the research project and beginning of research activity


Second year:

- Research activity
- Stage abroad for a period of 4 to >6 months

Third year:

- Research activity
- Write papers for international scientific journals
- The thesis consist in a collection of the published papers

Researchers from different countries are routinely invited to present seminars in the field of animal and food sciences.



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CURRENT RESEARCH TOPICS

Animal Science

- Advanced in vitro methodologies to evaluate the impact of feeds and additives.
- Genetic improvement of beef and milk quality traits using near-infrared spectroscopy and genomic tools.
- Pig production and quality.
- Genetic evaluation of small autochthonous cattle and horse breeds.
- Wild animals in extreme alpine habitats.
- LCA approaches in sustainable livestock farming systems.
- Rabbit and poultry science and aquaculture.

Food Science

- Phenotyping and genetic aspects of whey proteins and other functional whey compounds.
- Reducing alcohol content in wine by using non conventional yeast.
- Infrared Technologies: innovative traits in dairy and meat industries
- Exploiting agro-industry by-product.


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The Land, Environment, Resources and Health (LERH) PhD Program

Unipd.it
Departments
Libraries
Contacts
IT EN
Webmail
Univel



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TESAF DEPARTMENT OF LAND, ENVIRONMENT,
AGRICULTURE AND FORESTRY

DEPARTMENT
COURSES
RESEARCH
SERVICES
DISCOVERING PADOVA
INTERNATIONAL AREA

Home > Research > PhD LERH Program

PhD LERH Program

- About the PhD Program
- LERH
- Governance
- Teachers and students
- Priority research topics
- How to apply
- Teaching
- Documents
- Links
- Research groups
- Research centers



LERH Land Environment Resources and Health PhD Program

Doctoral Degrees - PhD LERH Program

- + About LERH
- + Governance
- + Teachers and students
- + Priority research topics
- + How to apply
- + Teaching
- + Documents
- + Links

<http://www.tesaf.unipd.it/en>


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LERH PhD Program The mission

LERH Program mission is to define integrated strategies for the **management of natural resources**, for promoting an **intersectoral rural development** and associated **bio-based economic activities** using advanced knowledge and expertise.



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LERH PhD Program Research areas

5 Research areas:

- Agriculture, forest and food **economics and policy** (13 topics)
- Research area Forest **ecology** and forest **management** (14 topics)
- **Hydrology, water resources**, land and soil conservation (9 topics)
- Agriculture and forest **mechanization** and **operations management** (6 topics)
- Viticulture and **enology**, **food quality** and **nutrition** (4 topics)

<http://www.tesaf.unipd.it/en/research/doctoral-degrees-phd-lerh-program/priority-research-topics>





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LERH PhD Program International network

We have also special agreements for the joint or double PhD degree based on co-supervision with the following academic institutions:

- [Universitat de Lleida, Spain, PhD "Gestió Forestal i del Medi Natural"](#)
- [Universidad Austral di Valdivia, Chile, PhD "Ciencias Forestales"](#)
- [Universidad Politecnica di Madrid, Spain, PhD "Ingenieria Forestal"](#)
- [Universidad Nacional di Cuyo, Mendoza, Argentina, PhD "Agronomia"](#)
- [Universidade Federal de Santa Maria, Brasil, PhD "Engenharia Florestal"](#)


The PhD course is also participating to the following International programs for the students and scientists mobility:

- Chinese Scholarship Council (China)
- Ciencia sem Fronteiras (Brasil)
- [Coimbra Group Scholarship Programme for Young African Researchers \(Africa\)](#)
- [Coimbra Group Scholarship Programme for Young Researchers from European Neighbouring Countries](#)
- [Erasmus Mundus Action 2 SILKROUTE \(Central Asia\)](#)
- Erasmus Mundus Action 2 El Idrisi (North Africa)

LERH is participating to the Erasmus Mundus program Forest and Nature for Society ([FONASO](#)) supported by the EC. Our partner institutions are:


- [University of Copenhagen, Denmark](#)
- [The Swedish University of Agricultural Sciences, Sweden](#)
- [Bangor University, UK](#)
- [Dresden University, Germany](#)
- [University of Göttingen, Germany](#)
- [AgroParisTech, France](#)





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Veterinary Science PhD Program




Doctoral Course in Veterinary Science

MISSION

RESEARCH TOPICS

ENROLLMENT

EDUCATION




It is not going to be three years of your life... ,


NEWS

DOCTORAL COURSE IN VETERINARY SCIENCE XXXII SERIES - SCORE OF APPLICANTS OF THE ORAL EXAMINATION


ORGANIZATION



PHD STUDENTS




ACTIVITY



FORMS AND DEADLINES >


USEFUL LINKS >

http://www.dottorato.veterinaria.unipd.it


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Veterinary Science PhD Program


Prof. Zotti
Coordinator




Prof. Frangipane




Prof. Aresu




Prof. Gabai




Prof. Vianello



Dr. Milani



Administrative Office: Anna Schiavon

 UNIVERSITÀ DEGLI STUDI DI PADOVA

Veterinary Science PhD Program

Research Topics

- Comparative Neuroanatomy and Neuroendocrinology
- Small molecules to rescue folding-defective apolipoproteins: in vivo assessment of novel therapeutic strategies
- Stem cell - Veterinary Services
- Laboratory of Applied Ethology
- Laboratory of Veterinary Physiology
- Mammary cancer lab
- Canine Leishmania Genomics & Epidemiology Group
- Aquatic Animals Health Laboratory
- Food Molecular Microbiology
- USP - Food sciences (including food technology, nutrition)
- Microbiology
- Virology and biotechnology
- Veterinary Microbiology and Biotechnology
- Pharmacogenetics and Toxicogenetics Lab
- LCMS-MS and Ecotoxicity Test Lab
- Ruminant Health Management
- Cardiovascular disease in small animals
- Diagnostic Imaging in Animals
- Animal Pain assessment and management
- Regenerative medicine: strategies to improve the tissue healing process
- Small Animal Reproduction
- Large Animal Reproduction
- Parasitology and Parasitic Diseases
- Fish and shellfish genetics
- Biochemistry and nanobiotechnology

- **Veterinary basic sciences**
- **Veterinary epidemiology, hygiene and public health**
 - **Food safety**
 - **Animal diseases**
- **Comparative Animal Models**


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The Crop Science
PhD Program



Italian version The PhD Contacts Downloads

FEATURED

PhD in Crop Science at UNIPD: a sustainable agriculture for the future



The post-graduate course in Crop Science offers one of the best PhD degree courses in Italy. The University of Padova is, in fact, **ranked first in Italy** for the research quality in agriculture and animal rearing. For further information you can visit [this page](#) of our website or download the leaflet below, now translated also for Chinese students!!!

Continue reading

Posted in [Communications](#) | Tagged [Chinese students](#), [phd in crop science](#)

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9

0

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2

in

Get in News

POSTS


- Cells and jobs
- Communications
- Courses and seminars
- General posts

RECENT POSTS

- Course "On Top Of Genetics - NGS for epigenetics"
- PhD in Crop Science at UNIPD: a sustainable agriculture for the future

<http://www.sciproveg.com/eng/>




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The Crop Science
PhD Program

1. Agrobiotechnologies



Plant genetics and breeding, genomics and proteomics of processes involved in the regulation of cell cycle, reproductive systems, seed development and fruit maturation and adaptation to environmental stresses; selection and genetic improvement of microorganisms for the conversion of residual biomass into high added value products; mechanism involved in resistance to agrochemicals.


2. Plant-environment interaction

Crop ecophysiology and management; plant-insect, plant-pathogen and plant-weeds interactions; role of micro-organisms in symbiotic associations with plants, anti-oxidation systems and environmental stress.

3. Ecosystem management

Human impact on ecological equilibrium; control of non-point pollution; soil and SOC evolution and management, Integrated Pest Management, use of plants and micro-organisms in ecosystem processes, including removal of pollutants; post-harvest management



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The Crop Science PhD Program


Specific activity for the first and second year



Winter School

Held in Paluzza (UD), at the Centro Servizi per le foreste e le attività della montagna – CESFAM.

3^d week of January (to be defined in the next weeks) – from Monday afternoon to Thursday morning

- Seminars on the specific subject of the Winter School
- Group work by PhDs to identify research gaps and opportunities
- Final presentations of your vision on the Winter School subject





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Who are the main actors?

You!



- Introduce briefly yourselves:
 - Where do you come from
 - Your background (where you got your Master)
 - Your PhD program
- Your future research topic





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Your rights and duties



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Your rights

- You have the right to carry on **independent, supervised advanced research**; you have a supervisor for your thesis work and two revisers from the PhD program
- You have the right to a **working position** with full access to the **research facilities**
- You are strongly recommended to have **an experience abroad** (6 months minimum - a right but also a duty!), normally starting from the 2nd year; for your staying abroad you have a (limited) extra compensation
- You can access all the **services ordinary provided to the UNIPD students** (housing and canteen, sport facilities, health care, psychological support, ombudsman, ...)



On-line resources

The screenshot shows the University of Padua website with the following content:

- Header:** "UNIVERSITÀ DEGLI STUDI DI PADOVA" with navigation links for Schools, Departments, Libraries, Contacts, and language options (IT, EN). A search bar is also present.
- Navigation:** A menu bar with categories: UNIVERSITY, COURSES, RESEARCH, SERVICES, DISCOVERING PADOVA, INTERNATIONAL AREA, BING PADOVA, and INTERNATIONAL AREA.
- Main Content:**
 - Libraries:** A sidebar menu with options like "On-line Resources", "Study and Multimedia Facilities", "Special needs", "Housing and Canteen facilities", "Health, Sports and Recreation", "Media and Events", and "General Information Offices".
 - Services:** A central text block stating: "Sixtyfour thousand students, more than 25% of the town's population, every day crowd the five main poles of the University of Padova (Science and Technology, Humanities, Medicine, Law and Social and Political Sciences), the Agriscola campus, and 10 decentralized branches in other provinces of the Veneto region." It also mentions "Over 2 million books are available in the libraries..." and "Administration work covers student services, library administration and maintenance, international relations, dialogue with employers, and management of the University hospital and astronomic observatory. This complex organisation controls a budget of 607 million 60 thousand euros."
 - Right Side Promotions:**
 - "COURSES HELD IN ENGLISH" with a red button.
 - "HOW TO APPLY FOR Y. 2013-14 COURSES" with a yellow button.
 - "LEARN ITALIAN AT CLA" with a red button.
 - "VISITING THE UNIVERSITY" with a red button.
- Footer:** A list of links including "Courses", "Language courses for Scholars", "Entry procedures, visas and residence permits", "International Mobility - Scholars", "Key Academic Dates", "Interaction with work environment", "Funding Research", "Professional and Continuing Education", and "Parents".

www.unipd.it/en/



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- You can access all the **services ordinary provided to the UNIPD students** (housing and canteen, sport facilities, health care, psychological support, ombudsman, ...)
- Beside the grant, you have **some research funds** to be spent in the 2nd and 3rd year (at least 10% of the grant have been allocated)



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How to use the funds

1	Participation to congresses	The student has to present some research results	Authorized by the Coordinator
2	Participation to seminars and workshops	Travel costs and accommodation (outside Padova)	Authorized by the Coordinator
3	Field data collection	When PhD grants are paid by external organizations, a limited extra contribution by the PhD Council can be given	Authorized by the Coordinator
4	Courses, workshops, stages	Cost reimbursement decided on case to case basis by the PhD Council	Authorized by the PhD Council (also on line)
5	Staying abroad	Travel costs and accommodation	Authorized by the PhD Council (also on line)
6	Others	E.g.: courses or workshop organization, books, equipment, ...	Authorized by the PhD Council (also on line)



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Internal rules for travel cost reimbursement

- **External activities:** fill out the **travel form** and give it to the secretary office of the Department **before each external activity**: mandatory for insurance and to have your money back!
- **Department cars:** fill out the **authorisation form** that will be valid until you are in the PhD Course; each time you need to use a car, it has to be **requested by your supervisor**
- If the Department's cars are not available **you can use your own car** (authorisation required)
- If an external activity has to be refunded on **PhD Program funds** you must attach a request signed by your supervisor; if it has to be paid on **supervisor's research funds** your request form must indicate which fund has to be charged
- **Experiences abroad: until 6 months** of staying you need an authorisation by the coordinator, for **more than 6 months** the request form must be presented to the Program Council; the request should be presented before you leave Padova, attaching a request letter by the supervisor and the letter of acceptance by the foreign institution (<http://www.unipd.it/node/8608> - still in Italian... Sorry!)





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Your duties

- Your main duty is to **produce good pieces of scientific research** in the field of science you have agreed with your supervisor and that has been approved by the PhD Program
- You will **work full time** at the Program. Your physical presence at the university is requested
- You must **remain at the academic siege** at each stage of your Learning program **in the 1st year**
- You have to prove your scientific productivity **updating your profile in the open access research catalogue IRIS, the "PADUA RESEARCH ARCHIVE"**
www.research.unipd.it



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PhD program procedures: first step

An **individual working plan for the 3 years**, agreed with your supervisor, has to be presented and formally approved by the PhD Council; you will receive a request in 2-3 months time.

The plan will describe:

- a. Your **research project**
- b. Your individual **learning program**

A template will be available

The **learning program** is based on 3 type of activities →






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Learning activities

- **Compulsory courses of the 1st year**
- Courses defined on a voluntary basis and agreed with your supervisor

A final assessment of your learning level will be requested
- Internal seminars, workshops, conferences, ...

Your 3-years learning and research program should be approved by your PhD Council

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Courses of the 1st year

A. Compulsory activities

B. Other optional learning activities

B.1 Research organization and communication



B.2 Research quantitative methods

B.3 Other courses

[A short look at](#)

Please note that compulsory for th

- Module 1 - Categorical data analysis
- Module 2 - Multivariate analysis
- Module 3 - Epidemiology, longitudinal data
- Module 4 - Non-linear models
- Module 5 - Introduction to GIS
- Module 6 - Spatial Statistics
- Module 7 - Introduction to network analysis
- Module 8 - Introduction to programming in Python
- Module 9 - Application of Bayesian statistics
- Module 10 - Introduction to Linux
- Module 11 - Introduction to machine-learning for data analysis
- Module 12 - Participatory approaches in data collection



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Admission procedures

- At the end of each year of the Program you have to present a **Report** (approved by your supervisor) to the Council. In the Report you are asked to give evidence of:
 - Your learning activities (only at the end of the 1st year)
 - Your research advancement
 - All other relevant information about your work: publications, papers and posters presented to congress, participation to scientific events, ...
- You will be asked to make an **oral presentation** of your annual work to the Program Council that will decide about your admission to the following year or to the final examination

Don't give for granted your admission to the 2nd and 3rd year!



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Admission procedure to the final exam

- The **structure of the thesis** can be **agreed** with the supervisor and the Council (monograph, set of papers with an introduction to frame your work)
- Your PhD Program Council may define **special requirements**, e.g. at least one publication in a peer review (international) journal
- Towards the end of the 3rd year you will have to present your thesis approved by the supervisor, by the PhD Council and **checked by two external reviewers peer reviewers**
- Considering the evaluation made by the peer reviewers a **oral presentation and discussion** of the thesis will be made in front of an **external commission**



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Prolongation

- You are **not allowed** to request a **prolongation** of your research activities of the **3rd year**
- **6 months can be requested by the reviewers if they ask for a relevant improvement of the thesis**
- **No grant** will be provided for the prolongation period
- **Maternity leave** and prolongation for **health reasons** are of course allowed



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Your future expected skills

The Programs will develop your integrated research, language, communication and environment skills, especially in an international context.



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Your future

The most recent survey at national (i.e. Italian) level:

After 3 years from the graduation: 93% employment rate

- 48% doing research activities as prevalent activity

- 27% doing some research activity
- 24% working, but without any research component

very few positions in the Italian universities.

→ be realistic and pragmatic: your future will be outside the Italian University system:

- research organizations abroad
- non academic research organizations (public and private) in Italy
- good positions as managers in private and public organizations





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Your (expected) future skills



«Researchers are professionals engaged in the conception or creation of new knowledge, products, processes, methods and systems and also in the management of the projects concerned»

Source: EU - Directorate General for Research & Innovation. Towards a European Framework for Research Careers. 21st July 2011





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Your (expected) future skills

In the EU a distinction is made between Early-Stage Researcher and Experienced Researchers:

- The term **Early-Stage Researcher** refers to researchers in the first four years (full-time equivalent) of their research activity, including the period of research training.
- **Experienced Researchers** are defined as researchers having at least four years of research experience (full-time equivalent)

You are now an **Early-Stage Researcher** and you are considered a **key actor** in the **EU 2020 strategy**



European Commission

A special attention by the EU to Early-Stage Researcher:
the **EUROAXESS – Research in Motion** initiative



<http://ec.europa.eu/euraxess>

Euroaxess local point at University of Padova



Euraxess è una rete di oltre 200 centri situati in 35 paesi europei creata dalla Commissione Europea al fine di contribuire a sviluppare un ambiente favorevole per la mobilità dei ricercatori e incrementare lo sviluppo delle relazioni scientifiche.

L'Università di Padova è uno dei Local Contact Points (LoCP) di EURAXESS.

Il LoCP:

- fornisce assistenza ai ricercatori in entrata o in uscita dall'Università di Padova
- offre supporto su questioni di carattere locale
- mantiene i contatti con i ricercatori e/o le loro famiglie

Per informazioni: mobility@unipd.it

- + **Euraxess Jobs**
- + **Euraxess Rights**
- + **Euraxess Services**
- + **Euraxess Links**

<http://www.unipd.it/ricerca/finanziamenti/finanziamenti-internazionali/euraxess>

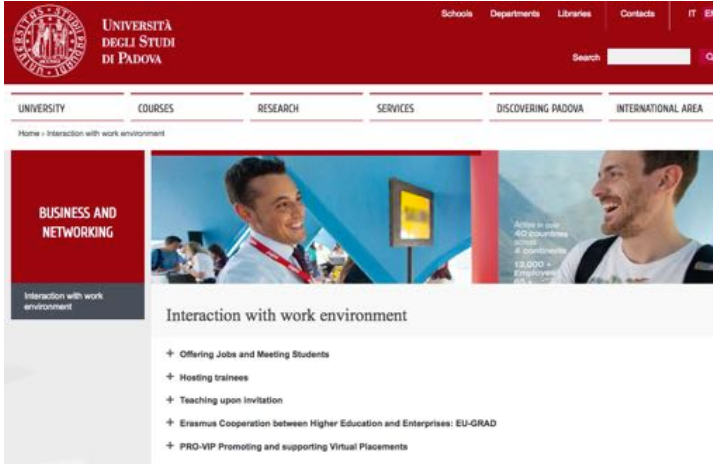
TESAF

Dipartimento Territorio e Sistemi Agro-Forestali



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Have a look to the web site: Interaction with the work environment



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Schools Departments Libraries Contacts IT EN

Search

UNIVERSITY COURSES RESEARCH SERVICES DISCOVERING PADOVA INTERNATIONAL AREA

Home > Interaction with work environment

BUSINESS AND NETWORKING

Interaction with work environment

Interaction with work environment

- + Offering Jobs and Meeting Students
- + Hosting trainees
- + Teaching upon invitation
- + Erasmus Cooperation between Higher Education and Enterprises: EU-GRAD
- + PRO-VIP Promoting and supporting Virtual Placements

www.unipd.it/en/interaction-work-environment-0



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The “soft skills”

“Change mentality” (*metanoèite*; Mt 4,17):

- be pro-active
- develop new ideas, new approaches
- build your network
- ...

“Imagination is power”

This is why the PhD program should try not only to enhance your **technical knowledge** (“hard skills”), but also your **“soft skills”**




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The “soft skills”

List of soft skills compiled by Eastern Kentucky University:

- **Communication** – oral, speaking capability, written, presenting, listening.
- **Courtesy** – manners, etiquette, business etiquette, gracious, says please and thank you, respectful.
- **Flexibility** – adaptability, willing to change, lifelong learner, accepts new things, adjusts, teachable.
- **Integrity** – honest, etcal, high morals, has personal values, does what’s right.
- **Interpersonal skills** – nice, personable, sense of humour, friendly, nurturing, empathetic, has self-control, patient, sociability, warmth, social skills.
- **Positive attitude** – optimistic, enthusiastic, en, happy, confident.
- **Professionalism** – businesslike, well-dressed, appearance, poised.
- **Responsibility** – accountable, reliable, gets the job done, resourceful, self-disciplined, wants to do well, conscientious, common sense.
- **Teamwork** – cooperative, gets along with others, agreeable, supportive, helpful, collaborative.
- **Work ethic** – hard working, willing to work, loyal, initiative, self-motivated, on time, good attendance.




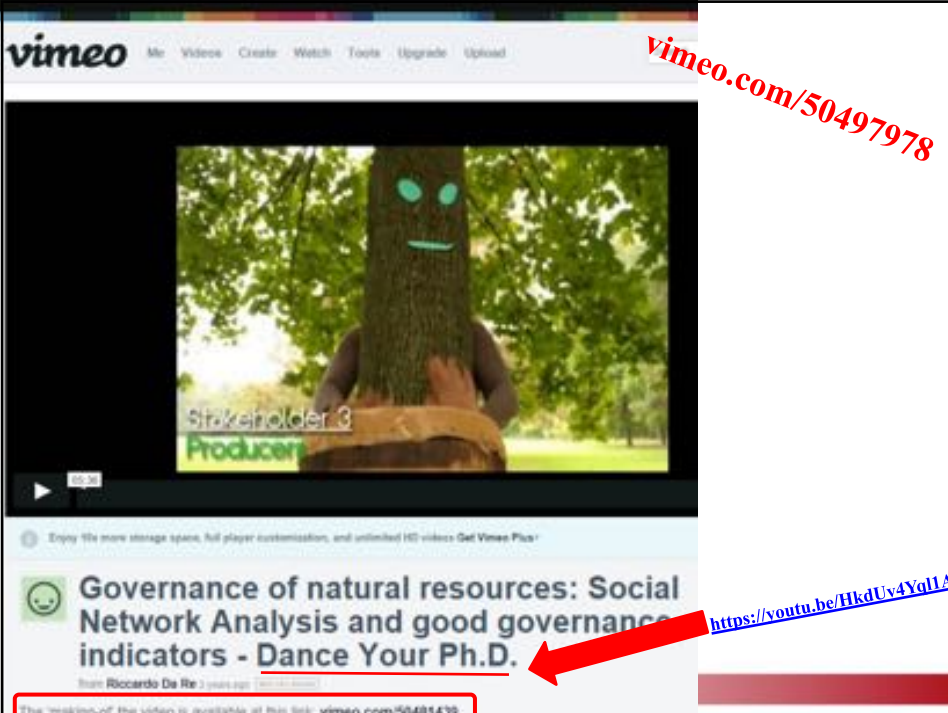


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Communication skills

Two examples:

- “[Dance your PhD](#)” competition by the journal Science (video – 5 min.) (thanks Ricky!)
- 3-minutes thesis competition (thanks Giulia!)

vimeo Me Videos Create Watch Tools Upgrade Upload

vimeo.com/50497978

Stakeholder 3
Producers


Enjoy 10x more storage space, full player customization, and unlimited HD videos. Get Vimeo Plus!

Governance of natural resources: Social Network Analysis and good governance indicators - Dance Your Ph.D.

from Riccardo De Rita · 1 year ago · 100% completed

<https://youtu.be/HkdUv4Yq1IA>

The making-of the video is available at this link: vimeo.com/50481439



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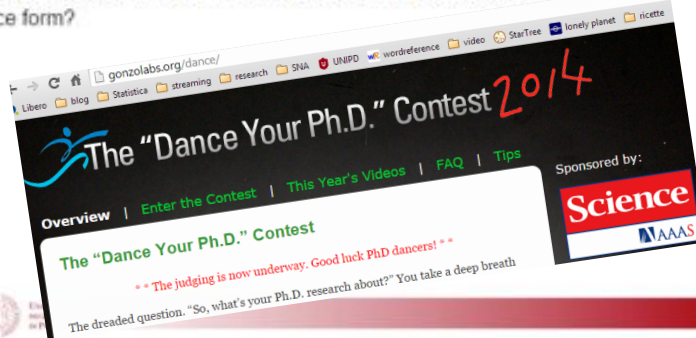
Announcing ...

the 2014 Dance Upur PhD contest

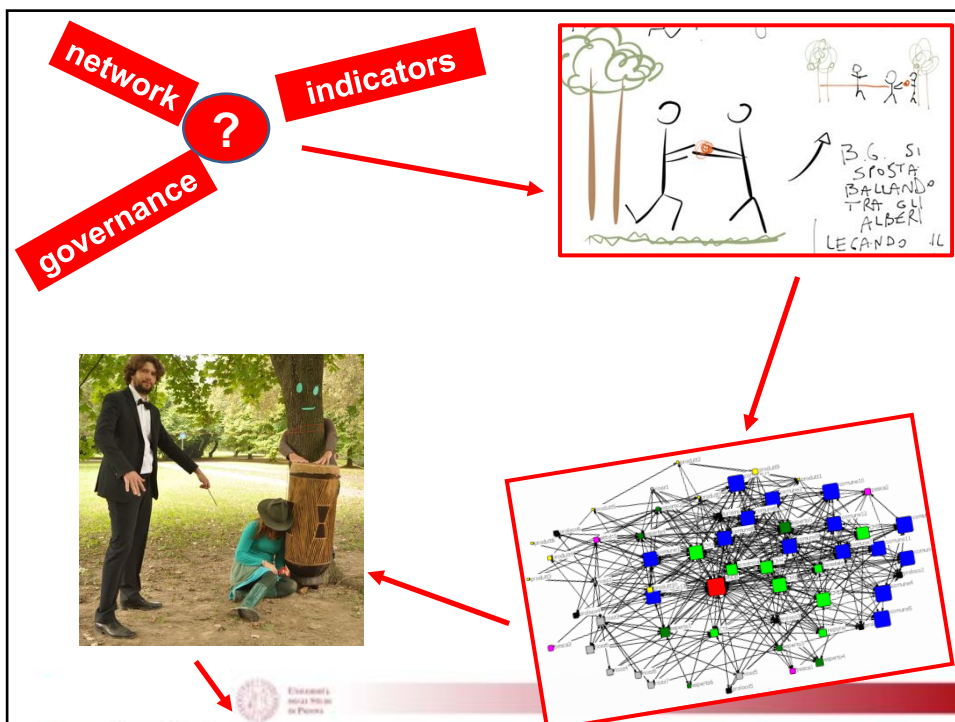
By John Bohannon | 21 May 2014 5:15 pm | 0 Comments

The dreaded question. "So, what's your Ph.D. research about?" You take a deep breath and launch into the explanation. People's eyes begin to glaze over ...

At times like these, don't you wish you could just turn to the nearest computer and show people a video of your Ph.D. thesis interpreted in dance form?



The screenshot shows a browser window with the URL gonzolabs.org/dance/. The page title is "The 'Dance Your Ph.D.' Contest 2014". Navigation links include Overview, Enter the Contest, This Year's Videos, FAQ, and Tips. A red banner states: "The judging is now underway. Good luck PhD dancers! **". Below it, the dreaded question is repeated: "The dreaded question. 'So, what's your Ph.D. research about?' You take a deep breath". The page is sponsored by Science and MAAS.



The "Dance Your Ph.D." Contest 2012

TesAF **Science**
Project of GONZO LABS

We are glad to announce...
 We won the **"Dance Your Ph.D. Contest 2012"**
 (within Social Science category)

The NetWork Scientist

Thanks to the **"Holy NetWork"**, the **"Good Governance"**, all the **"NetWork Dancers"** & the **"NetWork Supporters & Believers"**

Category Winner

WE DID IT!

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Stakeholders contacts

New friends

Mass media contacts

Why?

Which impacts?

Conceptualization

Lessons learned

Scientific contacts

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3-minutes thesis

UBC100 THE UNIVERSITY OF BRITISH COLUMBIA
Vancouver Campus

Graduate and Postdoctoral Studies
Three Minute Thesis (3MT)

Home About 3MT Schedule Participate Testimonials Videos + Images News Sponsors Contact

Listen. Learn. Absorb.

Be fascinated by graduate student discoveries.

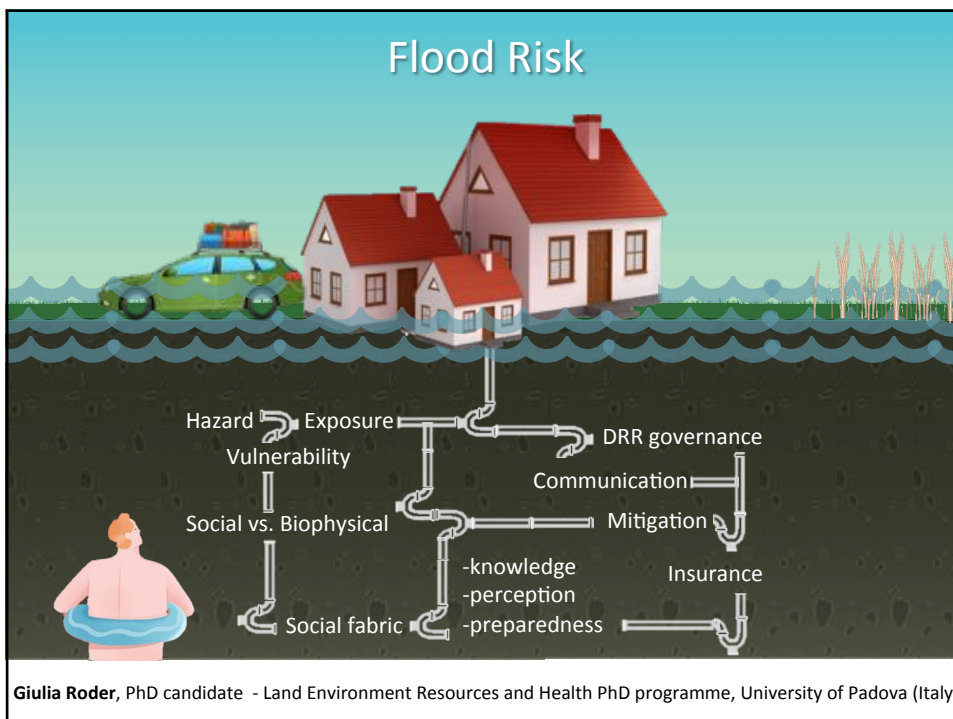
Join the audience
Interested in becoming an audience member for 3MT? Learn how at 3mt.grad.ubc.ca/join-the-audience

Latest News

- Contest winners: [Craig Jones](#) for winning Western 3MT Regional!
- [Craig Jones, Geographtu](#), to represent UBC-V in the Western 3MT Regional this Friday!
- [Final Results, UBC 3MT 2016](#)

The Three Minute Thesis (3MT) is an academic competition that assists current graduate students with fostering effective presentation and communication skills. Participants have just three minutes to explain the breadth and significance of their research project to a non-specialist audience. In 2012, over 30 universities across Australia, New Zealand, Hong Kong and the South Pacific participated in this fun, highly informative and very entertaining event. UBC is one of the first Universities in North America to host a 3MT competition.


<http://3mt.grad.ubc.ca/>





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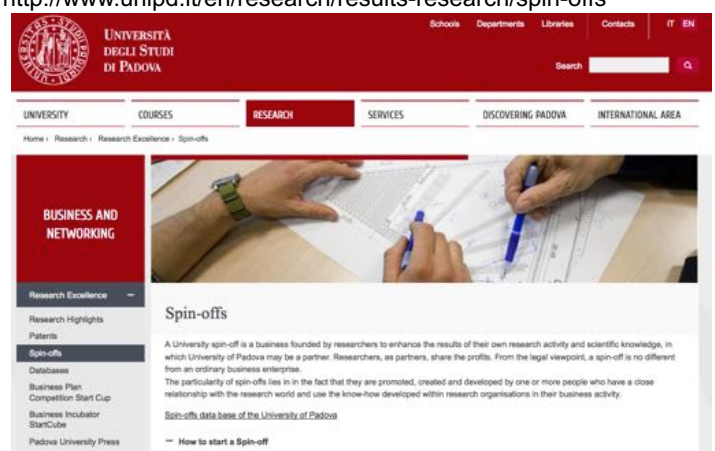
Looking ahead: after the doctorate, in November 2009...


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One option for your future: start up a spin off

<http://www.unipd.it/en/research/results-research/spin-offs>



The screenshot shows the website's navigation menu with 'RESEARCH' selected. The main content area features a 'BUSINESS AND NETWORKING' sidebar and a central section titled 'Spin-offs' with a photograph of hands reviewing documents. The text below the photo explains that a spin-off is a business founded by researchers to enhance their research results, and that the University of Padua acts as a partner. It also mentions a 'Spin-offs data base of the University of Padua' and a 'How to start a Spin-off' link.



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Spin off: some examples in Agripolis



www.etifor.com/



<http://www.panspinoff.com>



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GraiNit srl

Over 20 years of NIRS experience at
your service



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GraiNit srl

- Spin-off of the University of Padua
- Started in 2007
 - International patent on continuous scanning of grain using near infrared transmission (NIT)
 - Partners: Pioneer Hi-Bred Italia, and 6 private ‘investors’;
- Production and installation of NIT system for grain combines till 2014
- Development and commercialization of Handheld NIRS



Organization

- Legal site – Padua
 - 2 people for software and calibration support
- Operation site - Milan
 - Two technical service people
 - Parts Storage



First product



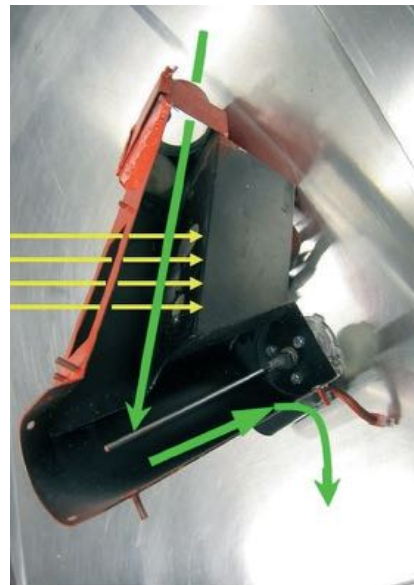
Application on the combine:
1 – grain by pass



Application on the combine:
1 – grain by pass



Application on the combine:
2 – scanning chamber

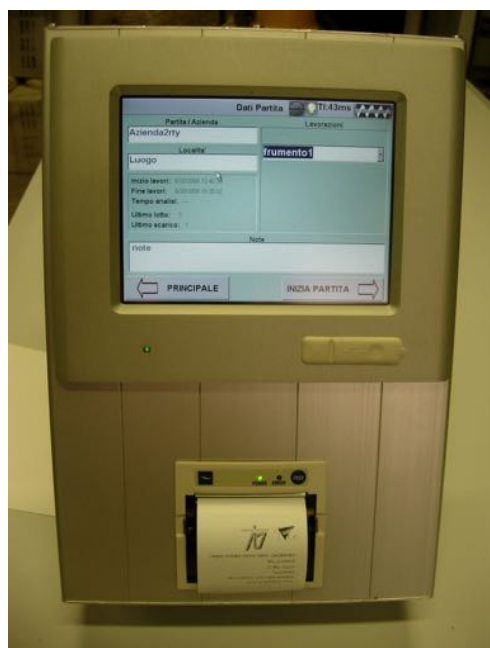


Rx-Grain Specs

- Sensor:
 - Diode array with 256 pixels, Zeiss MMS-1 enh
 - Spectral range 400 e 1100 nm.
- IR source:
 - Halogen lamp 20W
- Automatic Reference:
 - Neutral density filter
- Others:
 - Industrial with XP embedded, dedicated software, printer, Fiber optic cable (VIS-NIR), collimating lens
- Calibrated for
 - wheat, maize (soybean)



In the cabin



DATA: 6/19/2008 16:43:45

AZIENDA AGRICOLA: Azienda Luogo

PRODOTTO: frumento

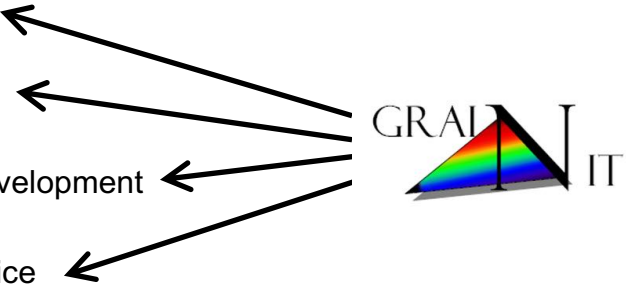
LOTTO: 1

SCARICO: 1

PARAMETRO	medio	minimo	massimo	StdDev
Umidità	11.5	11.4	11.7	0.0
Proteina	14.4	13.7	15.1	0.2
Glutine	30.9	29.7	32.3	0.8
Amido	57.2	56.6	57.7	0.1



What GraiNit can provide...

- Hardware:
 - Software
 - Calibration development
 - Analytical advice
- 
- The diagram shows the GraiNit logo, which consists of a rainbow-colored triangle with the word 'GRAI' to its left and 'IT' to its right. Four black arrows originate from the right side of the logo and point towards the four bullet points listed on the left.



Current product



On farm feed and forage analysis



What GraiNit can provide...

■ NIR needs:

- Hardware:
- Software
- Calibration development
- Analytical advice



We don't make NIRS hardware. We work closely with Zeiss to define specs and testing



Zeiss InProcess for instrument operation
Unity UCAL for Calibration development
Oursourcing the development of P mobile Apps



20 years of experience on FOSS, UNITY and Zeiss instruments, with single and multiple instruments calibration managment



Through personal relationship we can advise lab service, in Italy, Germany, Spain, South Africa and USA



What GraiNit can provide...

Training

- Training is our strength, we have been training in the use of NIRS instruments and in calibration development for over 15 years.
- Aurora training – it requires between 4 and 8 hours depending on the customer experience. Our distributors and GraiNit personnel can provide on-site training in agreement with the customers
- Calibration workshops – it requires 12-16 hours depending on the customer experience. Experienced NIR user can learn UCAL in less than 8 hours



GraiNit srl

*Over 20 years of NIRS experience at
your service*





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SmartUnipd

A service for your future working activities
SmartUnipd

<http://www.smartunipd.it/>



**Final wish to you as a PhD student
in Padova**

“REDIBO PLENIOR”

“I shall come back richer, more mature”
motto by G.V. Pinelli, second half of XVI Century

