



cirad

AGRICULTURAL RESEARCH
FOR DEVELOPMENT

Vocational and e-learning trainings at CIRAD

FEBRUARY 2017



www.cirad.fr



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AGRICULTURAL RESEARCH
FOR DEVELOPMENT

Working together for
tomorrow's agriculture

Teaching and Training

Cirad – DGDRS

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FRANCE

www.cirad.fr



You Tube

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Foreword

CIRAD, a public institution under the dual supervision of the Ministry of National Education, Higher Education and Research and the Ministry of Foreign Affairs and International Development, is a French research center. In partnership with the countries of the south in their diversity, CIRAD produces and transmits new knowledge to accompany the agricultural development of these countries and to respond to the international stakes of agriculture.

Its activities relate to the life and earth sciences, social sciences and engineering sciences applied to agriculture, forestry, livestock, food, natural resources and rural territories.

CIRAD has among its missions to «contribute to the strengthening of the skills of the communities and the scientific networks of the south mobilized around the problems of development».

Anxious to develop a policy to strengthen the skills of its partners, CIRAD researchers are involved in many higher education courses but also in short vocational training courses or e-learning. CIRAD has a long tradition of supervising doctoral students and welcoming scientists from the South.

Recently, a strong investment came about through the involvement of CIRAD researchers in international Masters. In total, 8,800 hours of teaching and engineering training in Masters and Doctorates in Mediterranean and tropical countries are provided. CIRAD is already engaged in 40 international masters, alongside foreign universities in which 61 CIRAD researchers are employed, as consulting, associate, or visiting professors. This dynamic of strengthening the articulation between research and higher education is implemented within platforms co-built with its partners in the South and called «research and teaching facilities in partnership» [dP].



Training offer

This document presents **VOCATIONAL TRAINING** and **E-LEARNING** organized by CIRAD and available in English. They are open to everyone seeking to acquire new skills or build capacities.

They can be realized on fixed dates or adapted to the demand in terms of dates, contents and location.

CIRAD is not in a position to award scholarships. It is therefore appropriate for the candidate to submit, as soon as possible, an application to the competent authorities of his country which may grant scholarships to study in France; Cooperation and Cultural Action Services of the French Embassies (SCAC); International organizations ... Facilities are reserved for Southern partners involved in actions in cooperation with CIRAD.

Contacts and links

> VOCATIONAL TRAINING

@ florence.paulet@cirad.fr

<http://www.cirad.fr/en/teaching-training/available-training>

> E-LEARNING

@ magali.dufour@cirad.fr

<http://www.cirad.fr/en/teaching-training/e-learning>

> VOCATIONAL TRAINING

«Long-life training»

Main categories of provided vocational trainings

- Animal health and emerging diseases 6
- Cell biology 6
- Computer science, GIS and modeling 6
- Cotton 6
- Cultivated ecosystems 6
- Economics and management of natural resources 7
- Food safety and quality 7
- Plant protection 7
- Sugarcane 7
- Support to research 7



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- **Animal health and emerging diseases**

Diagnostic techniques for CBPP [and/or CCPP]

@ thiaucourt@cirad.fr

Diagnostic techniques for Peste des Petits Ruminants

@ genevieve.libeau@cirad.fr

Genotyping of parasites and vectors

@ sophie.ravel@cirad.fr

Serological and molecular diagnosis of trypanosomoses

@ For France

geraldine.bossard@cirad.fr

sophie.ravel@ird.fr

@ For Thailand

marc.desquesnes@cirad.fr

stephane.herder@ird.fr

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- **Cell biology**

Basics of animal cell culture

@ cecile.minet@cirad.fr

isabelle.chantal@cirad.fr

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- **Computer science, GIS and modeling**

Initiation to GALAXY, an online platform for bioinformatics analysis

@ gautier.sarah@supagro.inra.fr

From field data to online map

@ david.chavernac@cirad.fr

GIS applied to epidemiological surveillance

@ daouda.kassie@cirad.fr

MISS-ABMS 2017 – International Summer School on “Designing, Implementing and Running Agent-Based Models for Renewable Resources Management”

@ christophe.le_page@cirad.fr

Olympe, a tool for economic and technical modelling and simulation of a farm or a group of farms

@ didier.snoeck@cirad.fr

eric.penot@cirad.fr

Scientific databases design for analysis and modelling

@ sandrine.auzoux@cirad.fr

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- **Cotton**

Technology of cotton plant products

@ technologie.coton@cirad.fr

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- **Cultivated ecosystems**

Ecosystem natural capital accounts practice

@ didier.babin@cirad.fr

E-Plant training – Ecophysiological functioning of the whole plant

@ christophe.jourdan@cirad.fr

denis.fabre@cirad.fr

Insect exclusion netting for smallholder growers to produce healthy fruit and vegetables under tropical climates

@ thibaud.martin@cirad.fr

Inter GI – Geographical Indications: an approach for local development

@ intergi@cirad.fr

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- **Economics and management of natural resources**

Ecosystem natural capital accounts practice

@ didier.babin@cirad.fr

MISS-ABMS 2017 – International Summer School on “Designing, Implementing and Running Agent-Based Models for Renewable Resources Management”

@ christophe.le_page@cirad.fr

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- **Food safety and quality**

Impact of climatic variability and climate change on crops: crop monitoring and yield forecasting

@ christian.baron@cirad.fr

Insect exclusion netting for smallholder growers to produce healthy fruit and vegetables under tropical climates

@ thibaud.martin@cirad.fr

Training in food safety

@ didier.montet@cirad.fr
corinne.teyssier@cirad.fr

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- **Plant protection**

Insect exclusion netting for smallholder growers to produce healthy fruit and vegetables under tropical climates

@ thibaud.martin@cirad.fr

Molecular detection of sugarcane diseases

@ isabelle.guinet@cirad.fr

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- **Sugarcane**

Molecular detection of sugarcane diseases

@ isabelle.guinet@cirad.fr

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- **Support to research**

Distance – learning engineering

@ cecile.squarzonidiaw@cirad.fr
magali.dufour@cirad.fr

Ecosystem natural capital accounts practice

@ didier.babin@cirad.fr

Individual Emotions and Group Dynamics : Use it to overcome conflicts and strengthen cooperation

@ christophe.le_page@cirad.fr
yorck.von-korff@flow-ing.fr

Metrology in industry and laboratories

@ gilles.calchera@cirad.fr

MooSciTIC : a shot of science ! [Scientist’s toolbox for communicating and building projects]

@ estelle.jaligot@cirad.fr

Quality training in laboratories: standard ISO 17025

@ gilles.calchera@cirad.fr
christine.baudasse@cirad.fr

> E-LEARNING

E-learning offers everyone the opportunity to train from home, to break the distance, to create networks of knowledge, to extend and enrich one's own knowledge. To allow research teams to partially overcome geographical constraints and to increase the efficiency of its training offerings, CIRAD offers distance courses on an e-learning platform.

This mode of learning takes advantage of technological advances in the telecommunications sector (ICT). It is an undeniable asset for ecology and the spread of knowledge across geographical boundaries.

- **Strengthen** and **support** existing training
- **Distribute** the acquisition of the theoretical knowledge over longer periods and adapted to various schedules
- **Reduce** the training time of researchers and trainees
- **To apprehend** geographically dispersed learners and teachers and significantly extend the scope of training
- **Involve** Southern partners in training efforts
- **Densify** and **retain** partner networks
- **Contribute** to the development of South - South partnership networks.

For any request, please contact
magali.dufour@cirad.fr

E-learning platform <https://elearning.cirad.fr/>

Main categories of provided e-learning trainings

- Animal Health
- Epidemiology
- Humanities and Social Sciences
- Information system, data collection and data management
- Quality Assurance

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• Animal Health

« La Peste des Petites Ruminants »

@ georgette.charbonnier@cirad.fr

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• Epidemiology

Ranema – Africa: A training module in basic epidemiology for animal diseases (African background)

@ cecile.squarzonidiaw@cirad.fr
magali.dufour@cirad.fr

Ranema – Asia: A training module in basic epidemiology for animal diseases (Asian context)

@ cecile.squarzonidiaw@cirad.fr
magali.dufour@cirad.fr

Ranema-Flu: A training module on the prevention and control of Highly Pathogenic Avian Influenza

@ cecile.squarzonidiaw@cirad.fr
magali.dufour@cirad.fr

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Humanities and Social Sciences

Qualitative survey methods applied to natural resource management

@ magali.dufour@cirad.fr

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• Information system, data collection and data management

General knowledges about IS, data collection, new technologies

@ david.chavernac@cirad.fr

Create a mobile application to collect data on field

@ david.chavernac@cirad.fr

Use a database management system

@ david.chavernac@cirad.fr

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• Quality Assurance

AMIQUALSUD – Self-study module to support the implementation of quality assurance (ISO/IEC 17025 standard) of animal health laboratories in countries of the South

@ cecile.squarzonidiaw@cirad.fr
david.chavernac@cirad.fr