



**cirad**

AGRICULTURAL RESEARCH  
FOR DEVELOPMENT

# Vocational and e-learning training at CIRAD

JANUARY 2018



[www.cirad.fr](http://www.cirad.fr)



# cirad

AGRICULTURAL RESEARCH  
FOR DEVELOPMENT

Working together for  
tomorrow's agriculture

Teaching and Training

Cirad – DGDRS

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FRANCE

## Contents

Foreword and contacts	3
Vocational training	5
Distance learning	10

[www.cirad.fr](http://www.cirad.fr)



CIRAD is a founding member of:



## FOREWORD

CIRAD, a public institution under the dual supervision of the Ministry of National Education, Higher Education, Research and Innovation and the Ministry of Europe and Foreign Affairs, is a French research center which is approved to organize professional training.

In partnership with a diversity of Southern countries, CIRAD generates and transmits new knowledge to support the agricultural development of these countries and tackle the global issues 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 areas.

CIRAD has among its missions "to contribute to building skills within the communities and scientific networks in the South mobilized around development issues».

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

## CUSTOMIZED TRAININGS TO MEET YOUR NEEDS

We are at your disposal for:

- Carry out the diagnosis of your training needs and write a list of specifications.
- Co-build a training content with your teams that meets your expectations. Then, training is implemented either in our premises or at a location of your choice.

Organization Referred DATADOCK ID 0022209



Training organization declared: 11 75 P018475.

Organization Referred complying with 6 quality standards

# Training offer

This document presents **PROFESSIONAL TRAINING** and **DISTANCE LEARNING COURSES** organized by CIRAD and available in English. They are open to everyone seeking to acquire new skills or build capacities. **They can be completed on fixed dates or tailored to demand in terms of dates, contents and location.**

CIRAD is not in a position to award scholarships. Candidate should therefore submit, as soon as possible, an application to the appropriate authorities of their country which may grant scholarships to study in France; Cooperation and Cultural Action Services of the French Embassies (SCAC); International organizations, etc...

Special conditions apply to southern partners involved in joint operations with CIRAD.

## Contacts and links

### > PROFESSIONAL TRAINING

**Contact** > [florence.paulet@cirad.fr](mailto:florence.paulet@cirad.fr)

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

#### How to do when one is interested?

##### > By an already existing session identified in the online catalog

- Contact the contact person posted under the title of the training in order to validate the registration.
- To take charge of your training by an OPCA or Employment Center: get in touch with the contacts at your local branches as soon as possible to apply for a grant or support.
- Terms of sale are posted on the site:  
<http://www.cirad.fr/en/teaching-training/available-training>

##### > If there is no scheduled session

- Contact the contact person posted under the title of the training to validate the registration.
- If you represent a group, the session can be set up for your company and be carried out at CIRAD or on your premises after agreement on the specifications (content, duration, price, number of participants, place ...).
- If you are an individual, the session may be set up at CIRAD as soon as a minimum number of people are registered. The procedure then returns to that of the point presented above.

### > DISTANCE LEARNING

**Contact** > [magali.dufour@cirad.fr](mailto:magali.dufour@cirad.fr)

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

## > VOCATIONAL TRAINING

«Lifelong  
training»

Online catalog

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

### Main categories of training:

- Animal and plant genetic
- Animal health and emerging diseases
- Cell biology
- Computer science, GIS, modelling and statistic
- Cotton
- Cultivated ecosystems
- Economics and management of natural resources
- Food safety and quality
- Livestock farming
- Plant protection
- Research support
- Sugarcane
- Vegetal anatomy



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## • Animal and plant genetic

### **Genotyping of parasites and vectors**

Scientific contact: sophie.ravel@cirad.fr  
Administrative contact:  
formation-emvt-fvi@cirad.fr

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## • Animal health and emerging diseases

### **African Trypanosomoses and leishmanioses**

Scientific contacts: david.berthier@cirad.fr  
philippe.solano@cirad.fr  
Administrative contact:  
formation-emvt-fvi@cirad.fr

### **Diagnostic techniques for CBPP (and/or CCPP)**

Scientific contact: thiaucourt@cirad.fr  
Administrative contact:  
formation-emvt-fvi@cirad.fr

### **Diagnostic techniques for Peste des Petits Ruminants**

Scientific contact: genevieve.libeau@cirad.fr  
Administrative contact:  
formation-emvt-fvi@cirad.fr

### **Genotyping of parasites and vectors**

Scientific contact: sophie.ravel@cirad.fr  
Administrative contact:  
formation-emvt-fvi@cirad.fr

### **GIS applied to epidemiological surveillance**

Scientific contact: daouda.kassie@cirad.fr  
Administrative contact:  
formation-emvt-fvi@cirad.fr

### **Information systems applied to epidemiological surveillance**

Scientific contacts: xavier.juanes@cirad.fr  
david.chavernac@cirad.fr  
daouda.kassie@cirad.fr  
Administrative contact:  
formation-emvt-fvi@cirad.fr

### **Integrated management of wildlife and their health risks in countries of the South**

Scientific contact: ferran.jori@cirad.fr  
Administrative contact:  
formation-emvt-fvi@cirad.fr

### **Methodology of epidemiological surveillance**

Scientific contacts: marisa.peyre@cirad.fr  
cecile.squarzonidiaw@cirad.fr  
Administrative contact:  
formation-emvt-fvi@cirad.fr

### **One Health and Eco Health approaches**

Scientific contact: julien.cappelle@cirad.fr  
Administrative contact:  
formation-emvt-fvi@cirad.fr

### **Qualitative Risk Mapping Analysis Optimization of monitoring systems on transboundary diseases (delivered in English)**

Scientific contacts: caroline.coste@cirad.fr  
cecile.squarzoni\_diaw@cirad.fr  
Administrative contact:  
formation-emvt-fvi@cirad.fr

### **Serological and molecular diagnosis of trypanosomoses**

Contacts: geraldine.bossard@cirad.fr  
sophie.ravel@ird.fr (for France)  
marc.desquesnes@cirad.fr  
stephane.herder@ird.fr (for Thailand)

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## • Cell biology

### **Basics of animal cell culture**

Scientific contacts: cecile.minet@cirad.fr  
isabelle.chantal@cirad.fr

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- **Computer science, GIS, modeling and statistic**

**Acquisition of the basic functions of Olympe software**

Scientific contacts: didier.snoeck@cirad.fr  
eric.penot@cirad.fr

**Applied training «bases in statistical analysis with R»**

Scientific contact: sophie.thevenon@cirad.fr  
Administrative contact:  
formation-emvt-fvi@cirad.fr

**Information systems applied to epidemiological surveillance**

Scientific contacts:david.chavernac@cirad.fr  
daouda.kassie@cirad.fr  
xavier.juanes@cirad.fr  
Administrative contact:  
formation-emvt-fvi@cirad.fr

**Initiation to GALAXY, an online platform for bioinformatics analysis**

Contact: gautier.sarah@supagro.inra.fr

**Interactive R: building web applications with Shiny**

Scientific contact: sylvain.falala@cirad.fr  
Administrative contact:  
formation-emvt-fvi@cirad.fr

**From field data to online map**

Scientific contact: david.chavernac@cirad.fr  
Administrative contact:  
formation-emvt-fvi@cirad.fr

**GIS applied to epidemiological surveillance**

Scientific contact: daouda.kassie@cirad.fr  
Administrative contact:  
formation-emvt-fvi@cirad.fr

**Management of data applied to the epidemiological surveillance**

Scientific contact: david.chavernac@cirad.fr  
xavier.juanes@cirad.fr  
Administrative contact:  
formation-emvt-fvi@cirad.fr

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

Contacts: christophe.le\_page@cirad.fr  
miss-abms\_organizers@commod.org

**Qualitative Risk Mapping Analysis Optimization of monitoring systems on transboundary diseases (delivered in English)**

Scientific contacts: caroline.coste@cirad.fr  
cecile.squarzeni\_diaw@cirad.fr  
Administrative contact:  
formation-emvt-fvi@cirad.fr

**Scientific databases design for analysis and modelling**

Scientific contact: sandrine.auzoux@cirad.fr  
Administrative contact:  
brigitte.giudicelli@cirad.fr

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- **Cotton**

**Cotton plant product technology**

Scientific contact: bruno.bachelier@cirad.fr  
Administrative contact:  
jocelyne.sallin@cirad.fr

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- **Cultivated ecosystems**

**Cotton plant product technology**

Scientific contact: bruno.bachelier@cirad.fr  
Administrative contact:  
jocelyne.sallin@cirad.fr

## **Ecosystem natural capital accounts practice**

Contact : didier.babin@cirad.fr

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

Contact : thibaud.martin@cirad.fr

## **Inter GI – Geographical Indications: an approach for local development**

Scientific contact: denis.sautier@cirad.fr

Administrative contact:

danielle.gandroz@cirad.fr

## **• Economics and management of natural resources**

### **Acquisition of the basic functions of Olympe software**

Scientific contacts: didier.snoeck@cirad.fr

eric.penot@cirad.fr

## **Ecosystem natural capital accounts practice**

Contact: didier.babin@cirad.fr

## **Integrated management of wildlife and their health risks in countries of the South**

Scientific contact: ferran.jori@cirad.fr

Administrative contact:

formation-emvt-fvi@cirad.fr

## **International negotiations, economic and legal instruments for climate change mitigation, adaptation and biodiversity conservation"**

Scientific contact: alain.karsenty@cirad.fr

Administrative contact: nathalie.rovis@cirad.fr

## **Inter GI – Geographical Indications: an approach for local development**

Scientific contact: denis.sautier@cirad.fr

Administrative contact:

danielle.gandroz@cirad.fr

## **MISS-ABMS 2017 – International Summer School on «Designing, Implementing and Running Agent-Based Models for Renewable Resources Management»**

Contacts: christophe.le\_page@cirad.fr

miss-abms\_organizers@commod.org

## **Pastoralisms**

Scientific contact: johann.huguenin@cirad.fr

Administrative contact:

formation-emvt-fvi@cirad.fr

## **• Food safety and quality**

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

Contact: thibaud.martin@cirad.fr

### **Training in food safety for the Southern countries**

Scientific contacts: didier.montet@cirad.fr

corinne.teyssier@cirad.fr

Administrative contact:

nathalie.paillusson@cirad.fr

## **Livestock farming**

### **Pastoralisms**

Scientific contact: johann.huguenin@cirad.fr

Administrative contact:

formation-emvt-fvi@cirad.fr

### **Livestock systems in the world: dynamic and analysis tools**

Scientific contact:

charles-henri.moulin@supagro.fr

Administrative contact:

formation-emvt-fvi@cirad.fr



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## • Plant protection

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

Contact: thibaud.martin@cirad.fr

## **Molecular detection of sugarcane diseases**

Scientific contact: isabelle.guinet@cirad.fr

Administrative contact:

florence.barthod@cirad.fr

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## • Research support

### **Distance – learning engineering**

Scientific contacts:

cecile.squarzonidiaw@cirad.fr

magali.dufour@cirad.fr

Administrative contact:

formation-emvt-fvi@cirad.fr

### **Ecosystem natural capital accounts practice**

Contact: didier.babin@cirad.fr

**Intellectual property of innovations and creation of value: the challenges of commercial exploitation of results from agronomic research for the development of Southern countries**

Contact: sloan.saletes@cirad.fr

Administrative contact: claire.teissier@cirad.fr

**International negotiations, economic and legal instruments for climate change mitigation, adaptation and biodiversity conservation”**

Scientific contact: alain.karsenty@cirad.fr

Administrative contact: nathalie.rovis@cirad.fr

### **Metrology in industry and laboratories**

Contact: gilles.calchera@cirad.fr

**MooSciTIC: a shot of science! (Scientist’s toolbox for communicating and building projects)**

Contact: estelle.jaligot@cirad.fr

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## • Sugarcane

### **Molecular detection of sugarcane diseases**

Scientific contact: isabelle.guinet@cirad.fr

Administrative contact:

florence.barthod@cirad.fr

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## **Vegetal anatomy**

**Vegetal histo-cytology techniques and plant anatomy**

Scientific contact: jean-luc.verdeil@cirad.fr

## > DISTANCE LEARNING

E-learning offers everyone the opportunity to train from home, overcome distances, create knowledge networks and extend and enrich their 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.

- **Strengthening** and **supporting** existing training
- **Distributing** the acquisition of theoretical knowledge over longer periods adapted to various schedules
- **Reducing** training times for researchers and trainees
- **Reaching** geographically dispersed learners and teachers and **significantly extending the scope of training**
- **Involving** southern partners in training efforts
- **Densifying** and **maintaining** partner networks
- **Contributing** to 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 distance learning modules:

- Animal Health
- Epidemiology
- Humanities and Social Sciences
- Information system
- Quality Assurance

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## • Animal Health

### « La Peste des Petits Ruminants »

<https://elearning.cirad.fr/course/index.php?categoryid=16>

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## • Epidemiology

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

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

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

<https://elearning.cirad.fr/course/index.php?categoryid=16>

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## Humanities and Social Sciences

### Qualitative survey methods applied to natural resource management

<https://elearning.cirad.fr/course/index.php?categoryid=9>

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## Information systems

### « Field Data Collection and Data Management »

<https://elearning.cirad.fr/course/index.php?categoryid=23>

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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 southern countries**

<https://elearning.cirad.fr/course/index.php?categoryid=15>