

"Doctorants du sud" Call 2011 – PhD Topics list

| N° | Research Unit | PhD Topics | Southern University | Northern co-tutor institution | Northern "sandwich" location | Southern location | Phd director Cirad supervisor | Contact |
|-----|----------------------------------|---|---|--|---|---|--|--|
| 17 | Intertryp | "Genomic and transcriptomic characterization of the Tsetse fly symbiont <i>Sodalis glossinidius</i> : Identification of the genes involved in the vectoriel competence of the Tsetse flies, biological vector of Animal (AAT) and Human African Trypanosomosis (HAT)" | University Bobo-Dioulasso Burkina Faso | Montpellier 2 SIBAGHE | Montpellier UMR INTERTRYP | Cirdes | Bengaly Z. (Cirdes) Berthier D. (Cirad) Geiger A. (Cirad) | david.berthier@cirad.fr |
| 106 | BIOAGR | Modeling of coffee berry borer displacements in plot and landscape scales for the development of a "push-pull" method which would improve the trapping technique | Costa Rica CATIE | None | Montpellier UPR BIOAGR | CATIE | Hidalgo E (CATIE) Dufour B. (Cirad) | bernard.dufour@cirad.fr |
| 98 | RPB | Genetic bases and heterosis prediction in an allopolyploid species. Contributions to the coffee adaptation at the Agroforestry systems | Colombie University Caldas | None | Montpellier UMR RPB | Lab am. Génétique CENICAFE (H. Posade) | Posade H. (CENICAFE) Bertrand B. (Cirad) | benoit.bertrand@cirad.fr |
| 53 | PVBMT | Genetic diversity and selection of <i>Apis mellifera</i> unicolor against Varroa in Madagascar | University of Antananarivo | Université Réunion | UMR PVBMT | Université Antana (R. Ravaomana) | Ravaomana R. (U. Tana) Reynaud B. (Cirad) | helene.delatte@cirad.fr |
| 15 | CMAE | Diffusion of a virus and evolution of its genome in the domestic ruminant populations. Application to the molecular epidemiology and the survey of peste des petits ruminants | Sénégal UCAD | Montpellier 2 SIBAGHE | Montpellier UMR CMAEE | ISRA (Y. Thiongane) | Bada Alambedji R. (EISMV) Moulia C. (UM2) Libeau G. (Cirad) | genevieve.libeau@cirad.fr |
| 47 | Green | Relance of some different regulation tools for land tenure in West Africa, according to different sustainability paradigms | ED Géographie Univ G.Berger, Saint Louis, Senegal | None | None | Sénégal (DP PPZS) | Sidy Mohammed Seck (UGB) et P. d'Aquino (CIRAD). | patrick.d'aquino@cirad.fr |
| 85 | Innovation | Quality economics in emerging countries: multi-level stakeholders'learning and institutional innovations. The case of agri-food economy in Vietnam | Univ Agricole de Hanoi, Doctorat d'Economie Agricole Viet Nam | Univ de Corse, ED Environnement et Société | None | Vietnam (DP Malica) | Pr Vu Dinh Ton et D Sautier | denis.sautier@cirad.fr |
| 90 | G-Eau | Irrigated rice and Ecosystem services : economic valuation and payments in an open economy, the cas of Thailand ? | AIT Bangkok, ED Natural Resource Management Thailand | | France | Thaïlande (AIT) | D. Jourdain, S. Perret, Ganesh Shivakoti (AIT) | damien.jourdain@cirad.fr |
| 112 | Selmet | Impacts of the crop-livestock integration on the energy efficiency in the Sahelo-Sudanian agroecosystems | Univ Polytechnique Bobo- Dioulasso | None | France | Burkina Faso (DP ASAP) | Hassan Nacro BISMARCK (IDR) et P. Lecomte (co- dir) | philippe.lecomte@cirad.fr |
| 113 | Art-Dev | Relations between China and Africa in the agricultural sector | Institute of Afro-asian studies, Univ Pékin | Paris XI | None | Chine + Mali + Af. du Sud | Li Anshan (IAAS) et JJ Gabas, directeurs + W. Anseeuw, co-dir | jean-jacques.gabas@cirad.fr |
| 26 | Systèmes Bananes et Ananas | Natural control of <i>Cosmopolites sordidus</i> in multi-species cropping systems: population dynamics and food web structure | University of Buea (Cameroon), Department of Plant and Animal Science | Montpellier 2 SIBAGHE | Missions à Montpellier et aux Antilles | CARBAP | Dr Philippe Tixier (Ecologue/Agronome/Mod élisateur CIRAD UPR26) | philippe.tixier@cirad.fr |

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| 42 | Biomasse Energie | Parametric optimization of pyrolysis to improve the reactivity of charcoal as reducing agents : application to tropical biomass | Cotutelle à l'Ecole Doctorale du 2IE (Burkina Faso) et l'Ecole Doctorale « science forestière » de l'Université de Brasillia (Bresil) | Université de Perpignan ED Energie et Environnement | Afrique et Brésil | Burkina Faso et Brésil (un tiers du temps). L'étudiant sera basé au 2IE (LBEB) à Ouagadougou et deux séjours de 8 mois sont prévus au SFB (LPF) au Brésil | Dr Blin Joël, Cirad/2IE Co-directeur de thèse : Dr. Patrick Roussel, Cirad / SFB | joel.blin@cirad.fr |
| 78 | Recyclage et risque | Making intensification of periurban agriculture using organic inputs compatible with tropical agrosystems' sustainability. | University of Sénégal | Potential cosupervision | France | Sénégal | Au Sénégal, la direction de la thèse sera assurée par Y. Ndour-Badiane (ISRA, Dr) et D. Masse (IRD, HDR). Le rattachement à une seconde école doctorale en métropole pourra être réalisé sous la direction d'E. Doelsch (Cirad, UPR 78, HDR) | frederic.feder@cirad.fr |
| 95 | Qualisud | Effect of tropical food processing on dietary metabolites exposure | Université du Costa Rica | SupAgro Montpellier | INRA Clermont-Ferrand/Theix Cirad Umr Qualisud | Université Costa Rica | Fabrice Vaillant (Cirad) | fabrice.vaillant@cirad.fr |
| 102 | SCA | Consequences of the introduction of Conservation Agriculture systems mitigating climatic risks on farms performances in the Lake Alaotra region of Madagascar | ED Agronomie ESSA, Univ. Antananarivo | Montpellier 2 SIBAGHE | France Montpellier | Madagascar | Dir Thèse : P. Titonell Co-Dir thèse : E. Scopel | eric.scopel@cirad.fr |
| 103 | HortSys | Extension of a novel control technique against plant feeding mites. Environmental impact and complementarities with other protection techniques of horticultural crops. | University of Nairobi | None | France Montpellier | Kenya, Tanzanie et Bénin | Directeur de thèse : Dr Vitalis Wafula Wekesa, Department of Biological Sciences, South Eastern University College - Co-directeur : Dr Thibaud Martin (Cirad, UR HortSys) | martin.thibaud@cirad.fr |
| 105 | BESF | Seed dispersal dynamics impacted by human activities : a study-case of genus Adansonia, a botanic model in Western Madagascar | University of Antananarivo | None | Madagascar (DP Forêts Biodiversité) | | J. Tassin (co-dir), B. Rakouth (Univ Tana, co-dir) | jacques.tassin@cirad.fr |
| 51 | AMAP | Modeling structure-function relationships of planted Tectona grandis (Teck) in Togo for the estimate and optimization of wood quality | Togo Univ Lomé | Montpellier 2 SIBAGHE | Montpellier UMR AMAP | Labo Bot. Ecol. Vég Univ Lomé | Kokou K. (Univ. Lomé) Fourcaud T. (Cirad) | thierry.fourcaud@cirad.fr |