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## Etude bibliométrique du CGIAR 2003-2012

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# Etude bibliométrique du CGIAR 2003-2012

Odile Bédu (Agreenium), Dominique Fournier (Inra)

31/03/2014

# Objectifs

- Etude du CGIAR au travers de ses publications scientifiques
- Cartographie des instituts du CGIAR (implantations, thématiques et collaborations)
- Cartographie des collaborations du CGIAR
- Place de la France dans les collaborations internationales du CGIAR
- Place des membres d'Agreenium dans ces collaborations
- Cartographie des entités Inra co-publiant avec le CGIAR
- Visibilité internationale des publications

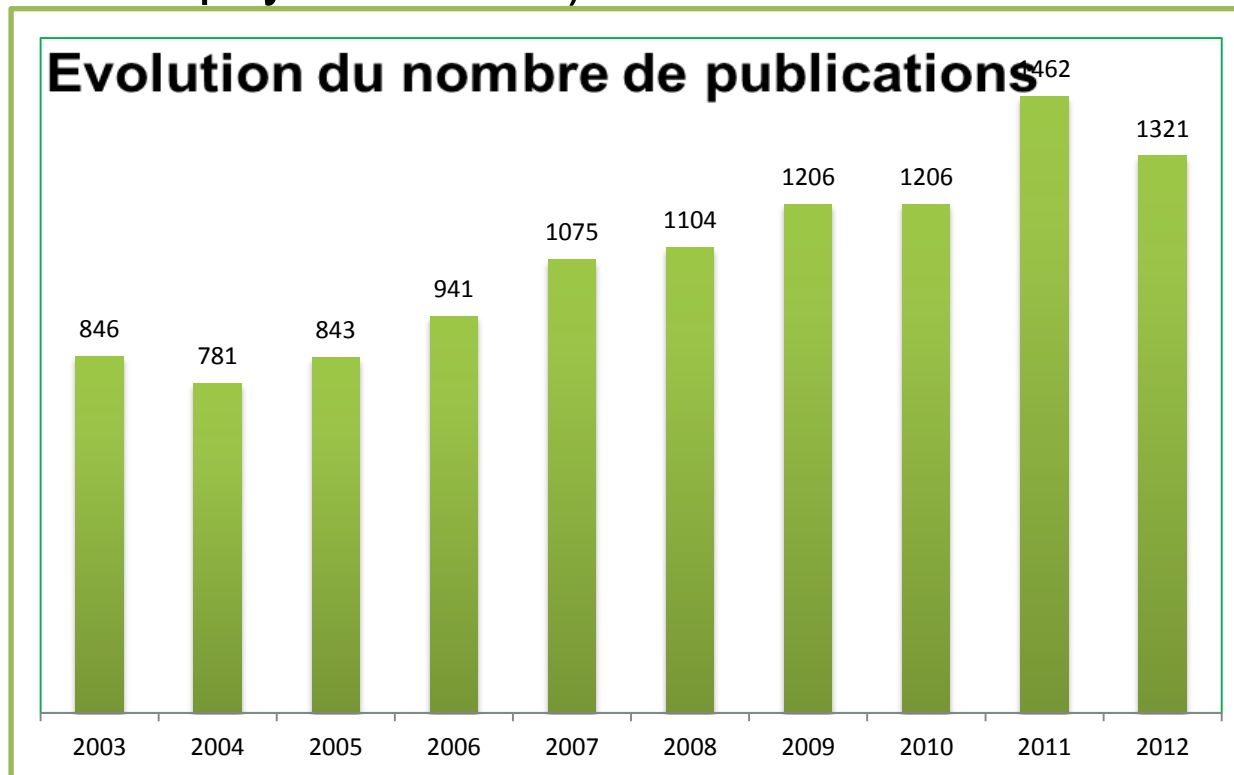
# Méthodologie

- Interrogation du Web of Science<sup>®</sup> (séries SCIE et SSCI),
- Téléchargement des références et traitement avec le logiciel le Sphinx Plus<sup>2</sup> (analyse statistique et lexicale).
- Analyse du champ « Author Adresses = C1 » afin d'identifier :
  - les pays
  - les principales institutions des CGIAR
  - les principales institutions étrangères partenaires
- Analyse des notoriétés des publications

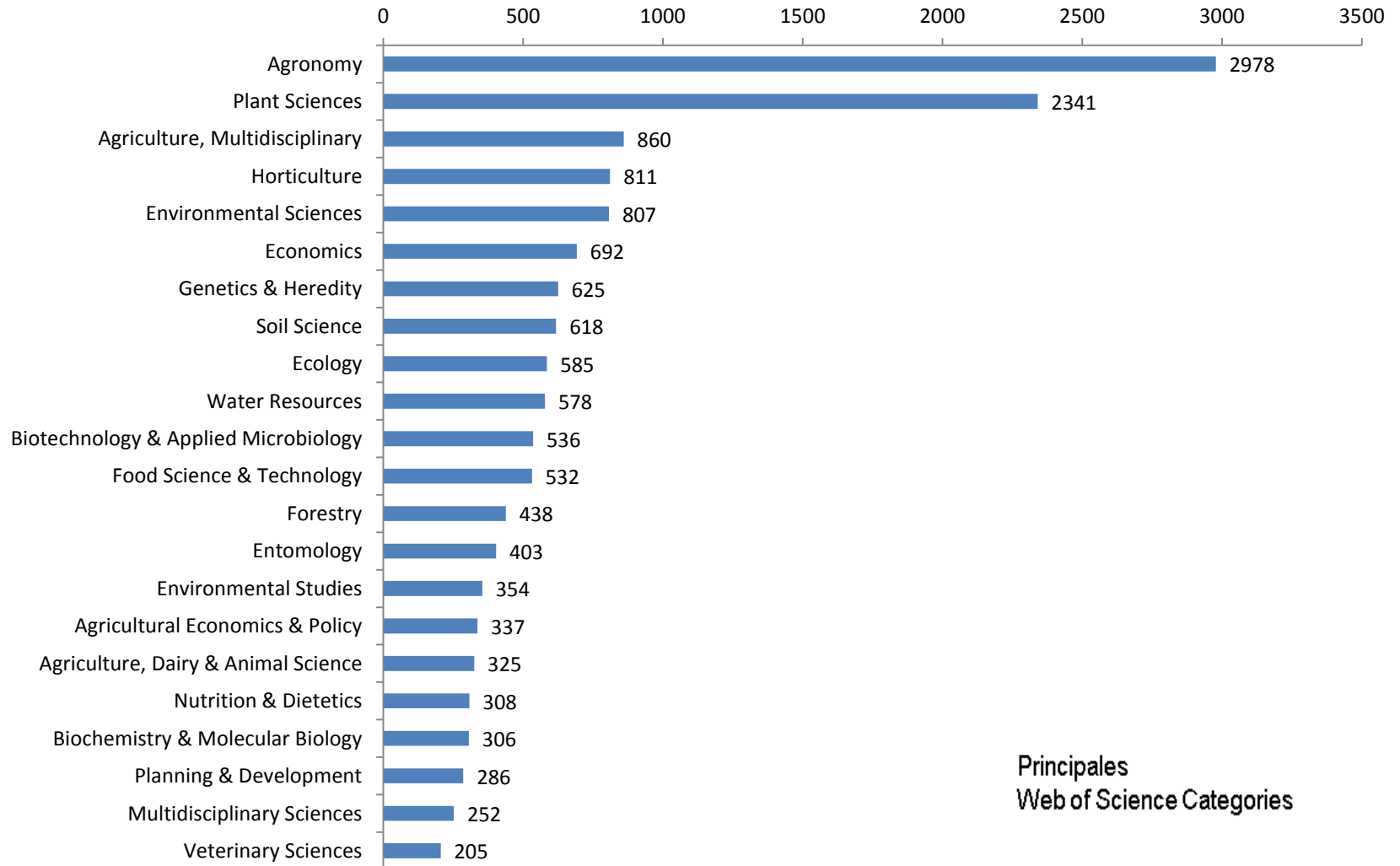
# **DONNÉES GLOBALES DU CGIAR AU TRAVERS DE SES PUBLICATIONS SCIENTIFIQUES**

# Publications du CGIAR

- 10 785 publications de 2003 à 2012
- Variation sur 10 ans : 71%
- 71 % de co-publications internationales (2 partenaires de 2 pays différents)

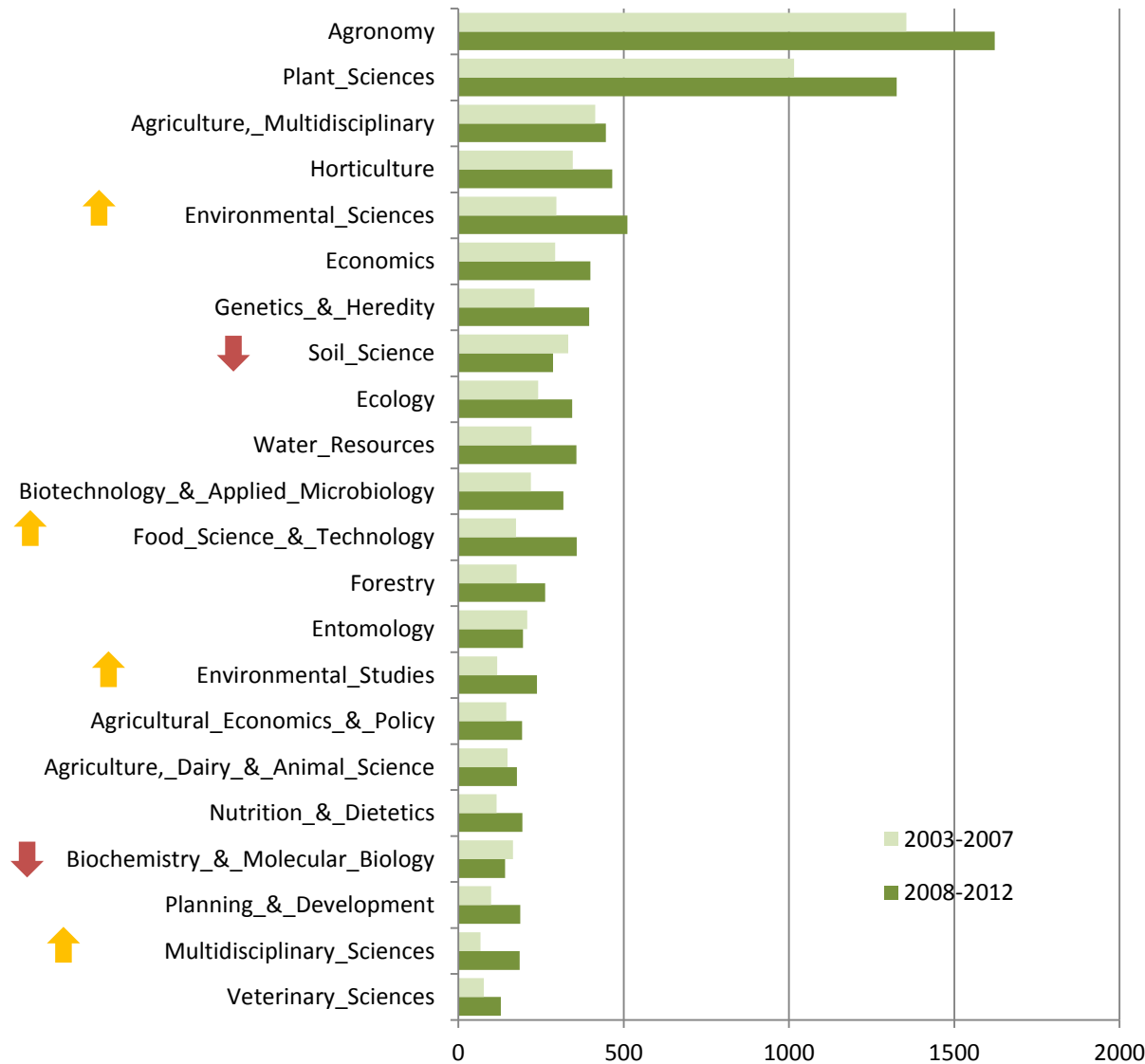


# Profil thématique de l'ensemble des centres internationaux



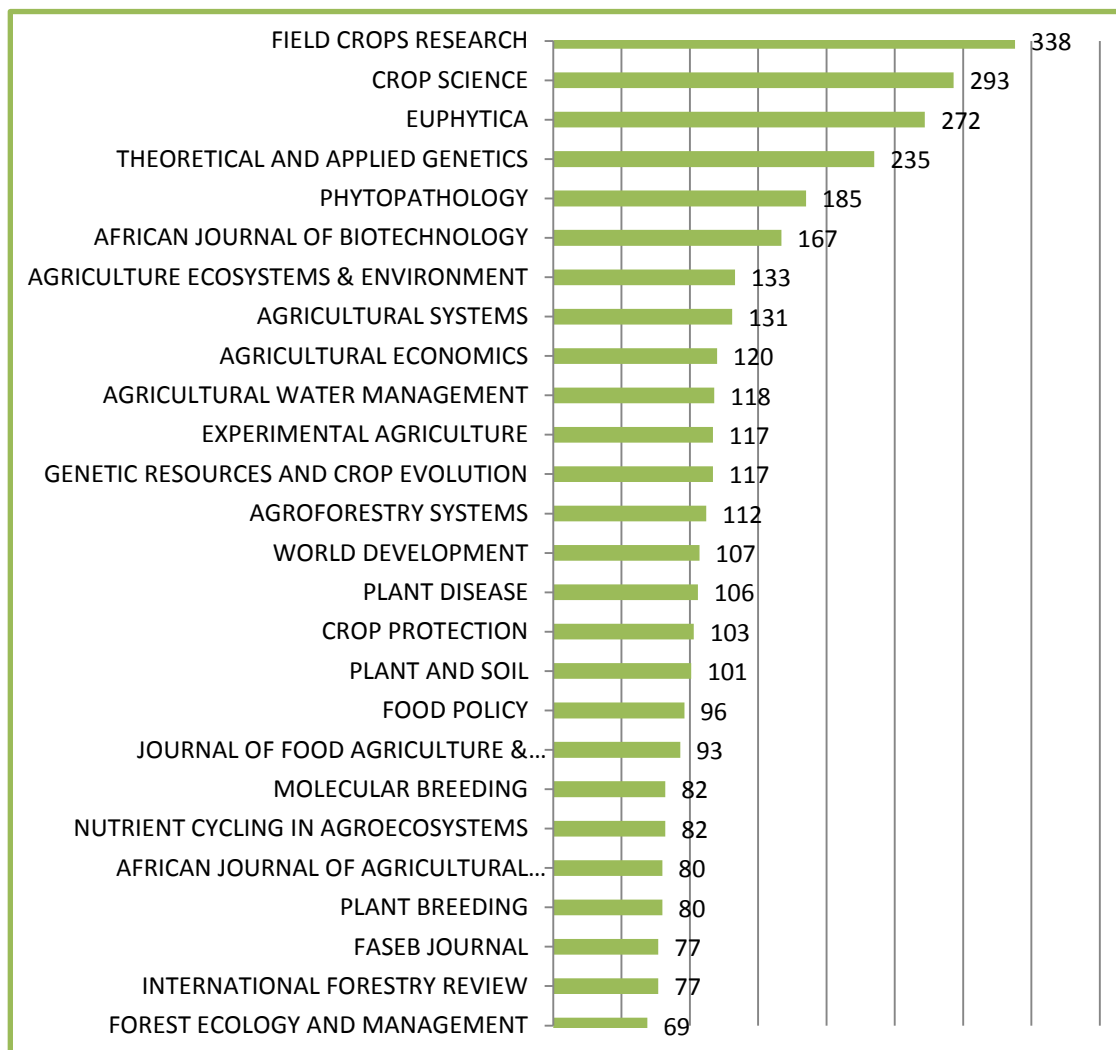
Principales  
Web of Science Categories

# Evolution du profil thématique de l'ensemble des centres internationaux





# Principales revues de publications des instituts du CGIAR



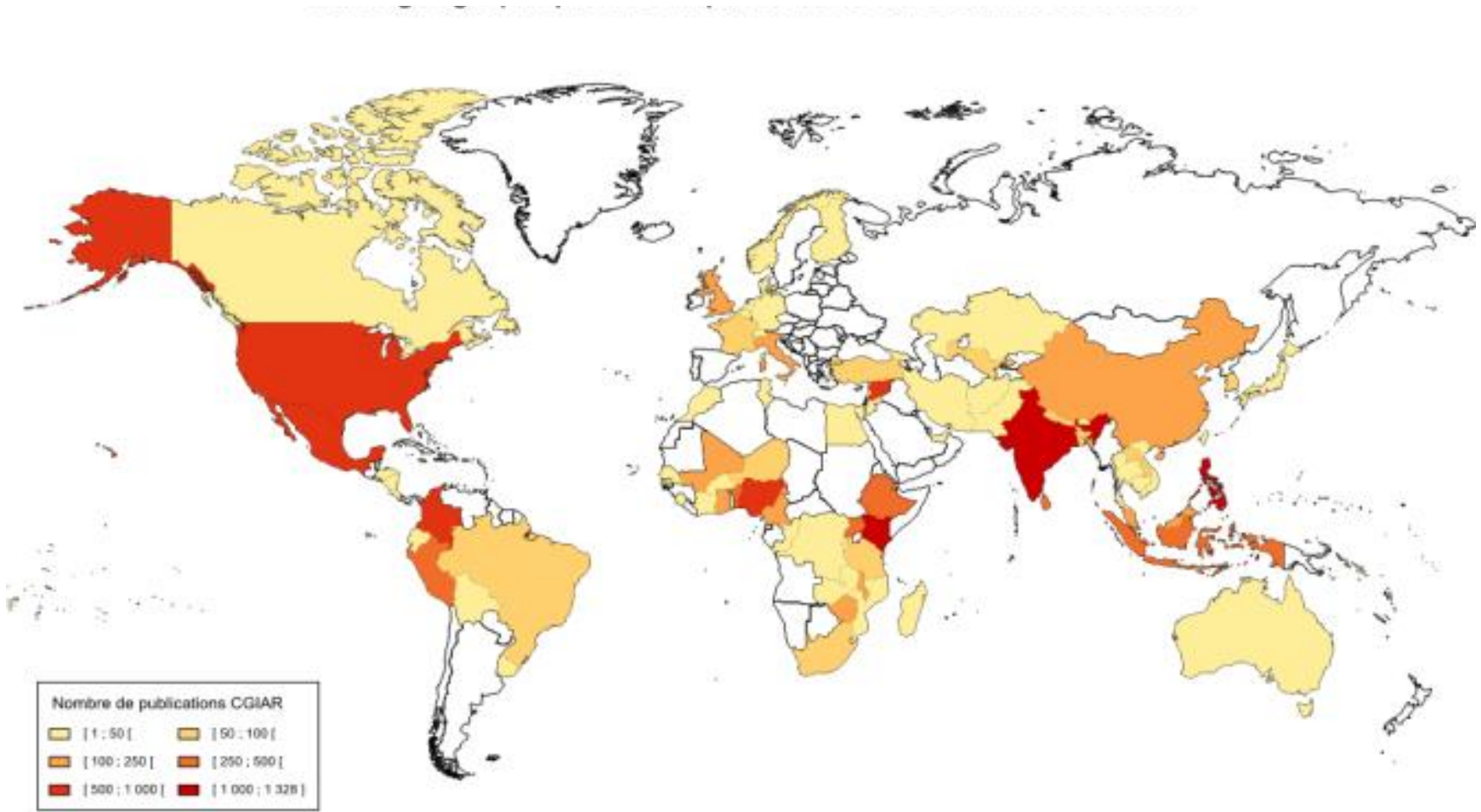
# Revue en Open Access

- 6,7% des publications dans des revues en OA (moyenne sur 2003-2012)
- 8,7% des publications 2012 dans des revues en OA

| Principales Revues OA  | Nb publications CGIAR |
|--|-----------------------|
| AFRICAN JOURNAL OF BIOTECHNOLOGY   | 79                    |
| PLOS ONE   | 58                    |
| CURRENT SCIENCE  | 41                    |
| BMC PLANT BIOLOGY  | 36                    |
| MOUNTAIN RESEARCH AND DEVELOPMENT  | 31                    |
| PLANT PRODUCTION SCIENCE   | 31                    |
| BMC GENOMICS   | 26                    |
| AFRICAN JOURNAL OF AGRICULTURAL RESEARCH   | 22                    |
| BREEDING SCIENCE   | 18                    |
| JOURNAL OF AGRICULTURE AND RURAL DEVELOPMENT IN THE TROPICS AND SUBTROPICS           | 17                    |
| MALARIA JOURNAL  | 14                    |
| JOURNAL OF AGRICULTURAL SCIENCE  | 14                    |
| HEREDITAS  | 13                    |
| INTERNATIONAL JOURNAL OF PLANT PRODUCTION  | 12                    |
| JARQ-JAPAN AGRICULTURAL RESEARCH QUARTERLY   | 12                    |
| AGROCIENCIA  | 11                    |
| ECOLOGY AND SOCIETY  | 11                    |
| JOURNAL OF INSECT SCIENCE  | 10                    |
| <i>Données DOAJ - Traitements Inra Crebi Noria du 06/12/2013 - CGIAR [2003-2012]</i> |                       |

# **CARTOGRAPHIE DES INSTITUTS DU CGIAR**

# Implantation géographique du CGIAR

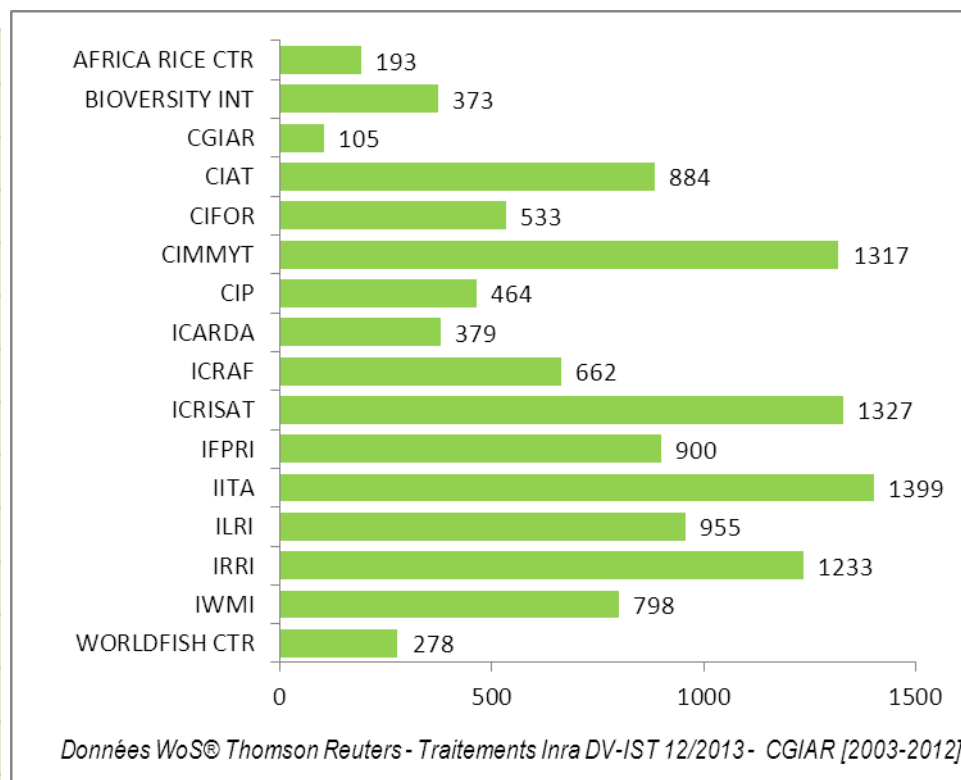


Données WoS® Thomson Reuters – Traitement Inra DV-IST décembre 2013 - CGIAR 2003-2012

# Répartition des publications par instituts

| instituts du CGIAR | Nb publications 2003-2012 |
|--------------------|---------------------------|
| AFRICA RICE CTR    | 193                       |
| BIOVERSITY INT     | 373                       |
| CGIAR              | 105                       |
| CIAT               | 884                       |
| CIFOR              | 533                       |
| CIMMYT             | 1317                      |
| CIP                | 464                       |
| ICARDA             | 379                       |
| ICRAF              | 662                       |
| ICRISAT            | 1327                      |
| IFPRI              | 900                       |
| IITA               | 1399                      |
| ILRI               | 955                       |
| IRRI               | 1233                      |
| IWMI               | 798                       |
| WORLDFISH CTR      | 278                       |

Données WoS® Thomson Reuters - Traitements Inra DV-IST 12/2013 - CGIAR [2003-2012]



# Caractéristiques de l'IITA

| Principaux partenaires IITA               | Nb. cit.  |
|---|-----------|
| Univ Ibadan - NG                          | 128       |
| USDAARS - US                              | 62        |
| <b>Cirad - FR</b>                         | <b>48</b> |
| Wageningen Univ and Res Ctr WUR - NL      | 46        |
| Univ Abomey Calavi UAC - BJ               | 34        |
| Univ Greenwich - UK                       | 34        |
| Katholieke Univ Leuven - BE               | 33        |
| Makerere Univ - UG                        | 33        |
| Cornell Univ - US                         | 19        |
| Univ Bonn - DE                            | 17        |
| Purdue Univ - US                          | 17        |
| Univ Illinois - US                        | 16        |
| Washington State Univ - US                | 15        |
| Univ Gottingen - DE                       | 15        |
| KARI Kenya Agr Res Inst - KE              | 14        |
| Univ Copenhagen - DK                      | 12        |
| Kansas State Univ - US                    | 12        |
| <b>INRA - FR</b>                          | <b>12</b> |
| Chinese Acad Agr Sci CAAS - CN            | 11        |
| Oregon State Univ - US                    | 10        |
| BBSRC Biotech & Biol Sci Res Council - UK | 9         |
| Univ Hohenheim - DE                       | 9         |
| Univ London - UK                          | 9         |
| Univ Calif Davis - US                     | 9         |

| WoS Categories                            | Nb. cit. |
|---|----------|
| Agronomy                                  | 375      |
| Plant Sciences                            | 352      |
| Entomology                                | 180      |
| Food Science & Technology                 | 152      |
| Biotechnology & Applied Microbiology      | 144      |
| Agriculture, Multidisciplinary            | 143      |
| Horticulture                              | 107      |
| Soil Science                              | 94       |
| Ecology                                   | 56       |
| Environmental Sciences                    | 53       |
| Genetics & Heredity                       | 49       |
| Economics                                 | 34       |
| Nutrition & Dietetics                     | 33       |
| Zoology                                   | 33       |
| Chemistry, Applied                        | 32       |
| Forestry                                  | 29       |
| Agricultural Economics & Policy           | 28       |
| Biochemistry & Molecular Biology          | 27       |
| Virology                                  | 21       |
| Computer Science, Artificial Intelligence | 17       |
| Multidisciplinary Sciences                | 16       |
| Microbiology                              | 14       |
| Planning & Development                    | 12       |
| Mycology                                  | 11       |
| Toxicology                                | 10       |

# Caractéristiques de l'Icrisat

| Principales partenaires Icrisat           | Nb. cit.  |
|---|-----------|
| ICAR Indian Council Agr Res - IN          | 71        |
| Univ Hohenheim - DE                       | 38        |
| <b>Cirad - FR</b>                         | <b>37</b> |
| Univ Agr Sci Bangalore - IN               | 36        |
| USDAARS - US                              | 35        |
| Wageningen Univ and Res Ctr WUR - NL      | 28        |
| Univ Western Australia - AU               | 28        |
| Univ Georgia - US                         | 27        |
| Univ Calif Davis - US                     | 21        |
| CSIRO - AU                                | 20        |
| Univ Florida - US                         | 18        |
| KARI Kenya Agr Res Inst - KE              | 17        |
| Chinese Acad Agr Sci CAAS - CN            | 17        |
| Japan Int Res Ctr Agr Sci JIRCAS - JP     | 16        |
| Cornell Univ - US                         | 16        |
| Washington State Univ - US                | 15        |
| Univ Copenhagen - DK                      | 14        |
| Kansas State Univ - US                    | 14        |
| BBSRC Biotech & Biol Sci Res Council - UK | 12        |
| Univ Greenwich - UK                       | 10        |
| Univ Bonn - DE                            | 9         |
| <b>IRD - FR</b>                           | <b>9</b>  |
| Purdue Univ - US                          | 9         |
| <b>INRA - FR</b>                          | <b>7</b>  |
| Univ Gottingen - DE                       | 7         |
| Oregon State Univ - US                    | 7         |

| WoS Categories                       | Nb. cit. |
|--------------------------------------|----------|
| Agronomy                             | 661      |
| Plant Sciences                       | 533      |
| Horticulture                         | 240      |
| Genetics & Heredity                  | 195      |
| Agriculture, Multidisciplinary       | 123      |
| Biotechnology & Applied Microbiology | 86       |
| Food Science & Technology            | 69       |
| Soil Science                         | 65       |
| Economics                            | 44       |
| Agricultural Economics & Policy      | 37       |
| Multidisciplinary Sciences           | 28       |
| Biochemistry & Molecular Biology     | 27       |
| Environmental Sciences               | 26       |
| Nutrition & Dietetics                | 21       |
| Ecology                              | 20       |
| Chemistry, Applied                   | 15       |
| Entomology                           | 14       |
| Biology                              | 13       |
| Planning & Development               | 11       |
| Water Resources                      | 10       |

# Caractéristiques du Cimmyt

| Principaux partenaires CIMMYT                      | Nb. cit.  |
|--|-----------|
| Chinese Acad Agr Sci CAAS - CN                     | 176       |
| USDAARS - US                                       | 66        |
| INIFAP Natl Inst Forestry Agr & Livestock Res - MX | 65        |
| ICAR Indian Council Agr Res - IN                   | 54        |
| CSIRO - AU   | 54        |
| Cornell Univ - US                                  | 38        |
| Katholieke Univ Leuven - BE                        | 36        |
| China Agr Univ CAU - CN                            | 33        |
| Univ Calif Davis - US                              | 30        |
| Univ Minnesota - US                                | 28        |
| KARI Kenya Agr Res Inst - KE                       | 27        |
| Kansas State Univ - US                             | 27        |
| Univ Hohenheim - DE                                | 27        |
| Washington State Univ - US                         | 26        |
| BBSRC Biotech & Biol Sci Res Council - UK          | 20        |
| Univ Georgia - US                                  | 18        |
| Univ Wisconsin - US                                | 17        |
| <b>INRA - FR</b>                                   | <b>17</b> |
| Wageningen Univ and Res Ctr WUR - NL               | 17        |
| Chinese Acad Sci CAS - CN                          | 16        |
| Univ Agr Sci Bangalore - IN                        | 16        |
| Swedish Univ Agr Sci SLU - SE                      | 15        |
| FAO - IT   | 15        |
| Univ Queensland - AU                               | 15        |
| Univ Illinois - US                                 | 15        |

| WoS Categories                       | Nb. cit. |
|--------------------------------------|----------|
| Agronomy                             | 661      |
| Plant Sciences                       | 533      |
| Horticulture                         | 240      |
| Genetics & Heredity                  | 195      |
| Agriculture, Multidisciplinary       | 123      |
| Biotechnology & Applied Microbiology | 86       |
| Food Science & Technology            | 69       |
| Soil Science                         | 65       |
| Economics                            | 44       |
| Agricultural Economics & Policy      | 37       |
| Multidisciplinary Sciences           | 28       |
| Biochemistry & Molecular Biology     | 27       |
| Environmental Sciences               | 26       |
| Nutrition & Dietetics                | 21       |
| Ecology                              | 20       |
| Chemistry, Applied                   | 15       |
| Entomology                           | 14       |
| Biology                              | 13       |
| Planning & Development               | 11       |
| Water Resources                      | 10       |



# Caractéristiques de l'IRRI

| Principaux partenaires IRRI           | Nb. cit.  |
|---------------------------------------|-----------|
| Chinese Acad Agr Sci CAAS - CN        | 94        |
| Univ Philippines - PH                 | 72        |
| ICAR Indian Council Agr Res - IN      | 65        |
| Japan Int Res Ctr Agr Sci JIRCAS - JP | 51        |
| Wageningen Univ and Res Ctr WUR - NL  | 46        |
| Huazhong Agr Univ - CN                | 38        |
| <b>Cirad - FR</b>                     | <b>36</b> |
| Cornell Univ - US                     | 34        |
| Univ Calif Davis - US                 | 32        |
| CSIRO - AU                            | 31        |
| USDAARS - US                          | 31        |
| China Agr Univ CAU - CN               | 26        |
| Chinese Acad Sci CAS - CN             | 25        |
| Colorado State Univ - US              | 25        |
| Kansas State Univ - US                | 23        |
| Univ Nebraska - US                    | 21        |
| Univ Western Australia - AU           | 20        |
| Univ Queensland - AU                  | 18        |
| <b>IRD - FR</b>                       | <b>15</b> |
| <b>INRA - FR</b>                      | <b>15</b> |
| Michigan State Univ - US              | 12        |
| Univ Florida - US                     | 12        |
| Univ Georgia - US                     | 12        |
| Univ Agr Sci Bangalore - IN           | 10        |

| Principales WoS Categories           | Nb. cit. |
|--------------------------------------|----------|
| Agronomy                             | 661      |
| Plant Sciences                       | 533      |
| Horticulture                         | 240      |
| Genetics & Heredity                  | 195      |
| Agriculture, Multidisciplinary       | 123      |
| Biotechnology & Applied Microbiology | 86       |
| Food Science & Technology            | 69       |
| Soil Science                         | 65       |
| Economics                            | 44       |
| Agricultural Economics & Policy      | 37       |
| Multidisciplinary Sciences           | 28       |
| Biochemistry & Molecular Biology     | 27       |
| Environmental Sciences               | 26       |
| Nutrition & Dietetics                | 21       |
| Ecology                              | 20       |
| Chemistry, Applied                   | 15       |
| Entomology                           | 14       |
| Biology                              | 13       |
| Planning & Development               | 11       |
| Water Resources                      | 10       |

# Caractéristiques de l'ILRI

| Principaux partenaires ILRI          | Nb. cit. |
|--------------------------------------|----------|
| Univ Nairobi - KE                    | 62       |
| Univ Edinburgh - UK                  | 56       |
| Wageningen Univ and Res Ctr WUR - NL | 54       |
| Univ Hohenheim - DE                  | 41       |
| KARI Kenya Agr Res Inst - KE         | 40       |
| Cornell Univ - US                    | 27       |
| Haramaya Univ - ET                   | 24       |
| Univ Nottingham - UK                 | 23       |
| Colorado State Univ - US             | 22       |
| Makerere Univ - UG                   | 22       |
| Addis Ababa Univ - ET                | 21       |
| USDAARS - US                         | 21       |
| Univ Liverpool - UK                  | 21       |
| Swedish Univ Agr Sci SLU - SE        | 21       |

| WoS Categories                       | Nb. cit. |
|--------------------------------------|----------|
| Agriculture, Dairy & Animal Science  | 221      |
| Veterinary Sciences                  | 173      |
| Agronomy                             | 89       |
| Parasitology                         | 86       |
| Agriculture, Multidisciplinary       | 78       |
| Ecology                              | 73       |
| Environmental Sciences               | 71       |
| Genetics & Heredity                  | 63       |
| Economics                            | 62       |
| Immunology                           | 44       |
| Biotechnology & Applied Microbiology | 40       |
| Plant Sciences                       | 36       |
| Agricultural Economics & Policy      | 33       |
| Environmental Studies                | 33       |
| Infectious Diseases                  | 33       |
| Biochemistry & Molecular Biology     | 30       |
| Food Science & Technology            | 30       |
| Multidisciplinary Sciences           | 25       |
| Microbiology                         | 23       |
| Tropical Medicine                    | 21       |

# Caractéristiques de l'IFPRI

| Principaux partenaires IFPRI         | Nb. cit. |
|--------------------------------------|----------|
| Cornell Univ - US                    | 59       |
| World Bank - US                      | 51       |
| Univ Calif Davis - US                | 35       |
| Wageningen Univ and Res Ctr WUR - NL | 24       |
| Michigan State Univ - US             | 20       |
| Tufts Univ - US                      | 20       |
| Univ Illinois - US                   | 19       |
| Univ London - UK                     | 19       |
| Univ Calif Berkeley - US             | 15       |
| Univ Minnesota - US                  | 15       |
| INSP Natl Inst Publ Hlth - MX        | 14       |
| Chinese Acad Agr Sci CAAS - CN       | 14       |
| Univ S Carolina - US                 | 14       |
| Univ Wisconsin - US                  | 14       |
| Univ N Carolina - US                 | 12       |
| Univ Oxford - UK                     | 12       |
| Emory Univ - US                      | 11       |
| Univ Copenhagen - DK                 | 11       |
| Makerere Univ - UG                   | 10       |
| USDAARS - US                         | 10       |
| Univ Gottingen - DE                  | 10       |

| WoS Categories                              | Nb. cit. |
|---|----------|
| Economics                                   | 398      |
| Agricultural Economics & Policy             | 159      |
| Planning & Development                      | 152      |
| Nutrition & Dietetics                       | 147      |
| Food Science & Technology                   | 101      |
| Environmental Studies                       | 63       |
| Biology                                     | 52       |
| Environmental Sciences                      | 51       |
| Cell Biology                                | 49       |
| Public, Environmental & Occupational Health | 49       |
| Biochemistry & Molecular Biology            | 48       |
| Water Resources                             | 42       |
| Agriculture, Multidisciplinary              | 33       |
| Agronomy                                    | 31       |

# Caractéristiques du CIAT

| Principaux partenaires du CIAT  | Nb publis |
|---|-----------|
| Univ Nacl Colombia - CO   | 62        |
| Wageningen Univ and Res Ctr WUR - NL  | 59        |
| Cornell Univ - US   | 40        |
| ETH Zurich Swiss Fed Inst Technol Zurich - CH   | 38        |
| <b>Cirad - FR</b>   | <b>38</b> |
| USDAARS - US  | 38        |
| Univ Calif Davis - US   | 31        |
| <b>INRA - FR</b>  | <b>25</b> |
| Univ Hohenheim - DE   | 23        |
| Univ del Valle - CO   | 22        |
| <b>IRD - FR</b>   | <b>22</b> |
| <i>Données WoS® Thomson Reuters - Traitements Inra DV-IST 12/2013 - CGIAR [2003-2012]</i> |           |

| Principales WoS Categories - CIAT   | nb publis |
|---|-----------|
| Agronomy  | 257       |
| Plant Sciences  | 231       |
| Soil Science  | 133       |
| Agriculture, Multidisciplinary  | 117       |
| Environmental Sciences  | 74        |
| Horticulture  | 68        |
| Ecology   | 67        |
| Genetics & Heredity   | 60        |
| Entomology  | 54        |
| Food Science & Technology   | 46        |
| Biochemistry & Molecular Biology  | 42        |
| Biotechnology & Applied Microbiology  | 35        |
| Agriculture, Dairy & Animal Science   | 29        |
| Nutrition & Dietetics   | 29        |
| Economics   | 21        |
| Biology   | 20        |
| Cell Biology  | 20        |
| Chemistry, Applied  | 20        |
| <i>Données WoS® Thomson Reuters - Traitements Inra DV-IST 12/2013 - CGIAR [2003-2012]</i> |           |

# Caractéristiques de l'IWMI

| Principaux partenaires IWMI          | Nb. cit.  |
|--------------------------------------|-----------|
| Univ Copenhagen - DK                 | 42        |
| <b>IRD - FR</b>                      | <b>38</b> |
| UNESCO - NL                          | 27        |
| Delft Univ Technol - NL              | 26        |
| Univ Peradeniya - LK                 | 21        |
| Wageningen Univ and Res Ctr WUR - NL | 20        |
| ICAR Indian Council Agr Res - IN     | 18        |
| US GS US Geol Survey - US            | 18        |
| Univ Melbourne - AU                  | 17        |
| CSIRO - AU                           | 17        |
| Cornell Univ - US                    | 15        |
| Katholieke Univ Leuven - BE          | 13        |
| <b>INRA - FR</b>                     | <b>13</b> |
| Univ Bonn - DE                       | 11        |
| WaterWatch - NL                      | 11        |
| Univ London - UK                     | 10        |
| Univ Maryland - US                   | 10        |

| WoS Categories                              | Nb. cit. |
|---|----------|
| Water Resources                             | 378      |
| Agronomy                                    | 165      |
| Environmental Sciences                      | 156      |
| Geosciences, Multidisciplinary              | 80       |
| Engineering, Civil                          | 77       |
| Tropical Medicine                           | 56       |
| Environmental Studies                       | 47       |
| Soil Science                                | 46       |
| Public, Environmental & Occupational Health | 45       |
| Remote Sensing                              | 38       |
| Meteorology & Atmospheric Sciences          | 37       |
| Agriculture, Multidisciplinary              | 36       |
| Ecology                                     | 30       |
| Engineering, Environmental                  | 27       |
| Parasitology                                | 26       |
| Imaging Science & Photographic Technology   | 24       |
| Economics                                   | 22       |
| Agricultural Engineering                    | 21       |

# Caractéristiques de l'ICRAF

| Principaux partenaires ICRAF         | Nb. cit.  |
|--------------------------------------|-----------|
| Chinese Acad Sci CAS - CN            | 33        |
| Wageningen Univ and Res Ctr WUR - NL | 33        |
| Cornell Univ - US                    | 21        |
| Conservat Int - US                   | 20        |
| Univ Tasmania - AU                   | 18        |
| Katholieke Univ Leuven - BE          | 17        |
| Columbia Univ - US                   | 16        |
| Kenyatta Univ - KE                   | 16        |
| Univ Hohenheim - DE                  | 15        |
| Ghent Univ - BE                      | 15        |
| Univ Nairobi - KE                    | 13        |
| Univ Copenhagen - DK                 | 13        |
| Bangor Univ - UK                     | 13        |
| James Cook Univ JCU - AU             | 13        |
| Univ Calif Davis - US                | 12        |
| KEFRI Kenya Forestry Res Inst - KE   | 12        |
| NatureServ - US                      | 12        |
| <b>IRD - FR</b>                      | <b>11</b> |
| NERC Nat Env Res Council - UK        | 11        |
| Univ Cambridge - UK                  | 10        |
| KARI Kenya Agr Res Inst - KE         | 10        |

| Principales WoS Categories           | Nb. cit. |
|--------------------------------------|----------|
| Forestry                             | 175      |
| Agronomy                             | 157      |
| Environmental Sciences               | 126      |
| Ecology                              | 103      |
| Agriculture, Multidisciplinary       | 86       |
| Soil Science                         | 68       |
| Plant Sciences                       | 41       |
| Environmental Studies                | 33       |
| Biodiversity Conservation            | 32       |
| Multidisciplinary Sciences           | 31       |
| Biotechnology & Applied Microbiology | 24       |
| Food Science & Technology            | 22       |
| Horticulture                         | 20       |
| Entomology                           | 15       |
| Water Resources                      | 15       |

# Caractéristiques du CIFOR

| Principaux partenaires CIFOR                  | Nb. cit.  |
|---|-----------|
| <b>Cirad - FR</b>                             | <b>53</b> |
| Wageningen Univ and Res Ctr WUR - NL          | 28        |
| Swedish Univ Agr Sci SLU - SE                 | 21        |
| Australian Natl Univ ANU - AU                 | 21        |
| Charles Darwin Univ - AU                      | 15        |
| ETH Zurich Swiss Fed Inst Technol Zurich - CH | 15        |
| So Cross Univ - AU                            | 15        |
| Univ Autonoma Madrid UAM - ES                 | 15        |
| Univ Oxford - UK                              | 14        |
| Bogor Agr Univ - ID - ID                      | 14        |
| Univ Leeds - UK                               | 14        |
| Inst Trop Forest Conservat - UG               | 14        |
| Conservat Int - US                            | 13        |
| Duke Univ - US                                | 13        |
| Mbarara Univ Sci & Technol - UG               | 13        |
| Univ Edinburgh - UK                           | 13        |
| Univ Queensland - AU                          | 13        |
| Univ Cambridge - UK                           | 11        |
| Univ Florida - US                             | 11        |
| Nat Conservancy Indonesia Program - ID        | 11        |
| <b>CNRS - FR</b>                              | <b>11</b> |
| <b>IRD - FR</b>                               | <b>11</b> |
| Univ E Anglia UEA - UK                        | 11        |
| Univ Illinois - US                            | 11        |

| Principales WoS Categories         | Nb. cit. |
|------------------------------------|----------|
| Forestry                           | 191      |
| Ecology                            | 126      |
| Environmental Sciences             | 125      |
| Environmental Studies              | 83       |
| Biodiversity Conservation          | 58       |
| Economics                          | 31       |
| Planning & Development             | 29       |
| Sociology                          | 21       |
| Plant Sciences                     | 18       |
| Geography                          | 17       |
| Anthropology                       | 15       |
| Multidisciplinary Sciences         | 15       |
| Geosciences, Multidisciplinary     | 14       |
| Agriculture, Multidisciplinary     | 13       |
| Meteorology & Atmospheric Sciences | 12       |

# Caractéristiques du CIP

| Principaux partenaires CIP           | Nb. cit. |
|--------------------------------------|----------|
| Wageningen Univ and Res Ctr WUR - NL | 33       |
| Cornell Univ - US                    | 30       |
| Univ Wisconsin - US                  | 26       |
| USDAARS - US                         | 22       |
| Univ Copenhagen - DK                 | 15       |
| NARL Natl Agr Res Labs - UG          | 14       |
| Swedish Univ Agr Sci SLU - SE        | 14       |
| Univ Hohenheim - DE                  | 13       |
| Univ Nacl Agr La Molina UNALM - PE   | 13       |
| Univ Catholique Louvain - BE         | 12       |
| Makerere Univ - UG                   | 12       |
| Univ Greenwich - UK                  | 11       |
| Univ Calif Davis - US                | 10       |
| Kansas State Univ - US               | 10       |
| Univ Nacl Altiplano - PE             | 9        |
| Univ Nacl Mayor San Marcos - PE      | 8        |
| N Carolina State Univ - US           | 7        |
| Michigan State Univ - US             | 6        |
| Univ Gottingen - DE                  | 6        |
| Univ Liege ULg - BE                  | 6        |
| KARI Kenya Agr Res Inst - KE         | 6        |

| Principales WoS Categories           | Nb. cit. |
|--------------------------------------|----------|
| Plant Sciences                       | 134      |
| Agronomy                             | 109      |
| Horticulture                         | 52       |
| Agriculture, Multidisciplinary       | 50       |
| Food Science & Technology            | 42       |
| Nutrition & Dietetics                | 37       |
| Entomology                           | 28       |
| Genetics & Heredity                  | 28       |
| Biotechnology & Applied Microbiology | 25       |
| Environmental Sciences               | 20       |
| Chemistry, Applied                   | 18       |
| Geography, Physical                  | 17       |
| Biochemistry & Molecular Biology     | 16       |
| Virology                             | 15       |
| Ecology                              | 14       |
| Cell Biology                         | 13       |
| Biology                              | 11       |
| Evolutionary Biology                 | 11       |



# Caractéristiques de l'ICARDA

| Principaux partenaires ICARDA                 | Nb. cit.  |
|---|-----------|
| Wageningen Univ and Res Ctr WUR - NL          | 14        |
| Univ Nat Resources & Appl Life Sci BOKU - AT  | 13        |
| EIAR Ethiopian Inst Agr Res - ET              | 12        |
| Cukurova Univ - TR                            | 11        |
| Washington State Univ - US                    | 10        |
| <b>INRA - FR</b>                              | <b>10</b> |
| CRA Agr Res Council - IT                      | 9         |
| Univ Bonn - DE                                | 9         |
| USDAARS - US                                  | 9         |
| Univ Lleida UdL - ES                          | 8         |
| CIHEAM Int Ctr Adv Medit Agron Stud - IT      | 7         |
| CRIFC Cent Res Inst Field Crops - TR          | 7         |
| James Hutton Inst - UK                        | 7         |
| Univ Barcelona UB - ES                        | 7         |
| Oregon State Univ - US                        | 6         |
| CSIC Spanish Natl Res Council - ES            | 6         |
| ETH Zurich Swiss Fed Inst Technol Zurich - CH | 6         |
| FAO - IT                                      | 6         |
| Univ Aleppo - SY                              | 6         |
| Univ Western Australia - AU                   | 6         |

| Principales WoS Categories           | Nb. cit. |
|--------------------------------------|----------|
| Agronomy                             | 185      |
| Plant Sciences                       | 113      |
| Agriculture, Multidisciplinary       | 41       |
| Horticulture                         | 40       |
| Agriculture, Dairy & Animal Science  | 33       |
| Water Resources                      | 31       |
| Soil Science                         | 24       |
| Biotechnology & Applied Microbiology | 22       |
| Environmental Sciences               | 22       |
| Genetics & Heredity                  | 17       |
| Food Science & Technology            | 13       |
| Ecology                              | 11       |
| Chemistry, Analytical                | 8        |
| Forestry                             | 8        |
| Agricultural Engineering             | 7        |
| Entomology                           | 7        |
| Veterinary Sciences                  | 7        |
| Biochemistry & Molecular Biology     | 6        |
| Environmental Studies                | 5        |

# Caractéristiques de Bioversity Int

| Principaux partenaires Bioversity Int | Nb. cit.  |
|---------------------------------------|-----------|
| <b>IRD - FR</b>                       | <b>33</b> |
| <b>Cirad - FR</b>                     | <b>22</b> |
| Katholieke Univ Leuven - BE           | 18        |
| Univ Abomey Calavi UAC - BJ           | 17        |
| Wageningen Univ and Res Ctr WUR - NL  | 14        |
| FAO - IT                              | 11        |
| Ghent Univ - BE                       | 10        |
| USDA ARS - US                         | 10        |
| <b>CNRS - FR</b>                      | <b>6</b>  |
| <b>INRA - FR</b>                      | <b>6</b>  |
| Univ Cambridge - UK                   | 6         |
| Univ Bonn - DE                        | 6         |
| Univ Liege ULg - BE                   | 6         |
| Columbia Univ - US                    | 5         |

| Principales WoS Categories           | Nb. cit. |
|--------------------------------------|----------|
| Plant Sciences                       | 102      |
| Agronomy                             | 94       |
| Horticulture                         | 60       |
| Environmental Sciences               | 37       |
| Ecology                              | 36       |
| Biology                              | 35       |
| Physiology                           | 31       |
| Agriculture, Multidisciplinary       | 26       |
| Genetics & Heredity                  | 23       |
| Economics                            | 22       |
| Forestry                             | 22       |
| Agricultural Economics & Policy      | 19       |
| Biotechnology & Applied Microbiology | 18       |
| Biodiversity Conservation            | 17       |
| Multidisciplinary Sciences           | 17       |
| Biochemistry & Molecular Biology     | 14       |
| Nutrition & Dietetics                | 13       |
| Food Science & Technology            | 11       |
| Evolutionary Biology                 | 10       |

# Caractéristiques de WorldFish Ctr

| Principaux partenaires Worldfish Ctr   | Nb. cit. |
|--|----------|
| Wageningen Univ and Res Ctr WUR - NL   | 15       |
| Univ E Anglia UEA - UK                 | 14       |
| Univ Stirling - UK                     | 12       |
| James Cook Univ JCU - AU               | 8        |
| CEFAS Ctr Env Fish & Aquacult Sci - UK | 7        |
| FAO - IT                               | 7        |
| NOAA - US                              | 6        |
| Univ Connecticut - US                  | 6        |
| <b>IRD - FR</b>                        | <b>6</b> |
| CSIRO - AU                             | 5        |
| Australian Inst Marine Sci AIMS - AU   | 5        |
| Helmholtz Assoc - DE                   | 5        |
| Univ Queensland - AU                   | 5        |

| Principales WoS Categories  | Nb. cit. |
|-----------------------------|----------|
| Fisheries                   | 122      |
| Marine & Freshwater Biology | 85       |
| Environmental Sciences      | 40       |
| Environmental Studies       | 32       |
| Ecology                     | 25       |
| Water Resources             | 17       |
| International Relations     | 14       |
| Oceanography                | 14       |
| Economics                   | 11       |
| Planning & Development      | 11       |

# Caractéristiques d'Africa Rice Ctr

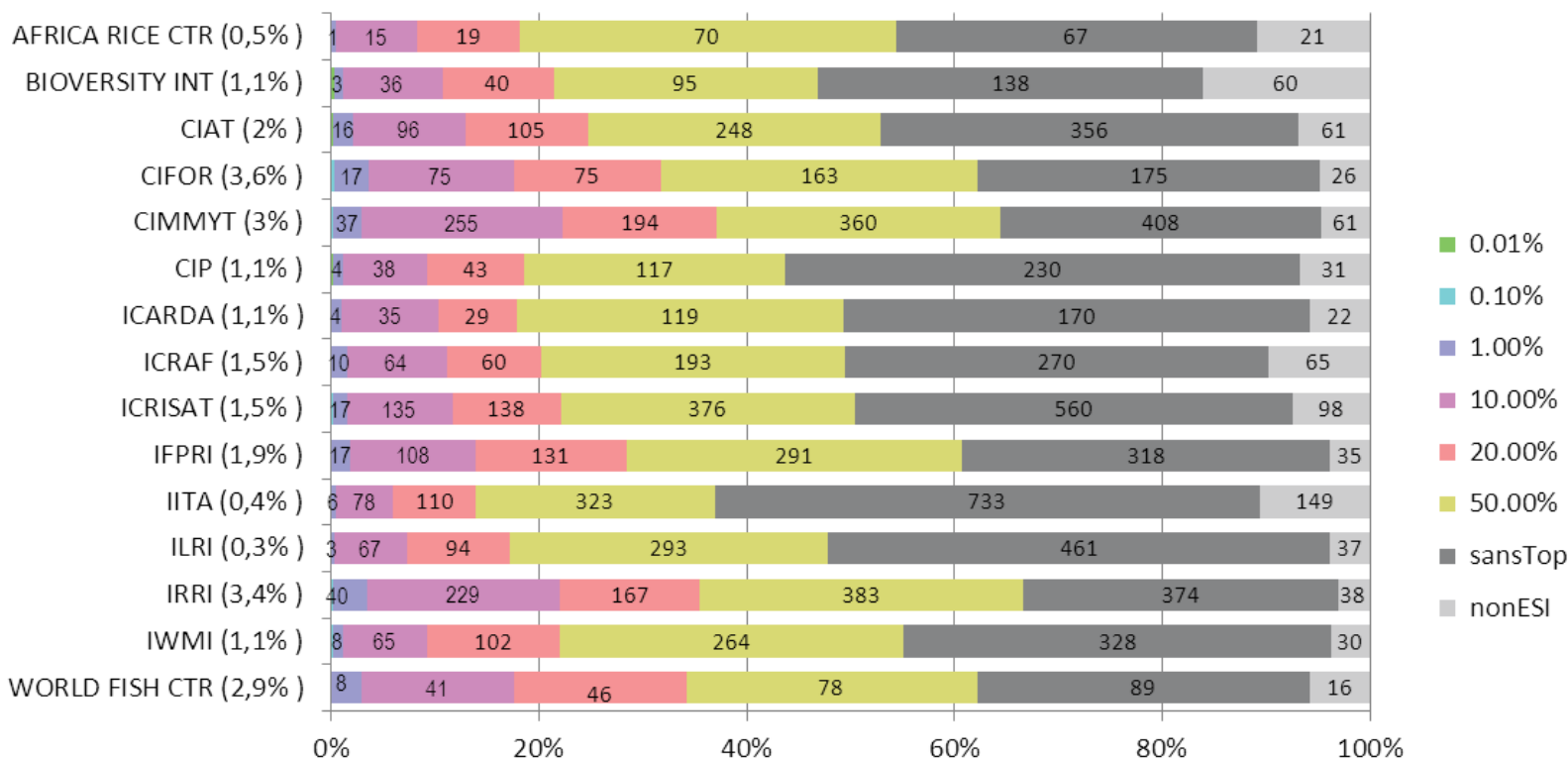
| Principaux partenaires AfricaRice Ctr | Nb. cit.  |
|---------------------------------------|-----------|
| Wageningen Univ and Res Ctr WUR - NL  | 16        |
| <b>IRD - FR</b>                       | <b>15</b> |
| <b>Cirad - FR</b>                     | <b>14</b> |
| Univ Abomey Calavi UAC - BJ           | 14        |
| Katholieke Univ Leuven - BE           | 10        |
| Kinki Univ - JP                       | 9         |
| Univ Bonn - DE                        | 7         |
| Kyoto Univ - JP                       | 7         |
| Univ Calif Davis - US                 | 5         |

| Principales WoS Categories           | Nb. cit. |
|--------------------------------------|----------|
| Agronomy                             | 76       |
| Plant Sciences                       | 35       |
| Soil Science                         | 29       |
| Agriculture, Multidisciplinary       | 26       |
| Biotechnology & Applied Microbiology | 17       |
| Food Science & Technology            | 13       |
| Economics                            | 10       |
| Entomology                           | 9        |
| Agricultural Economics & Policy      | 8        |
| Ecology                              | 8        |

# **VISIBILITE DES PUBLICATIONS DU CGIAR**

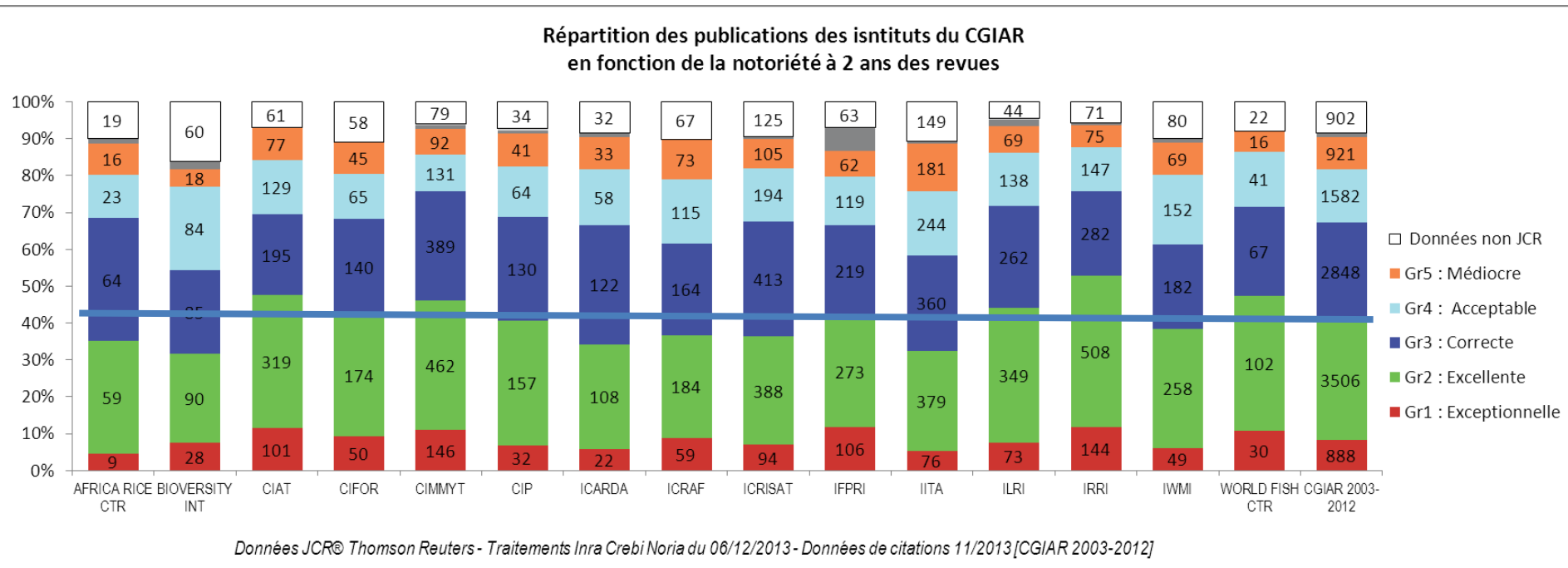
# Analyse des citations

- 1,6% des publications dans les tops les + sélectifs (top 0,01%, 0,1% et 1% des articles les + cités)
- CIFOR, IRRI, CIMMYT ont + de 3% de publications qui figurent dans les tops les plus sélectifs (0,01%, 0,1% et 1%)

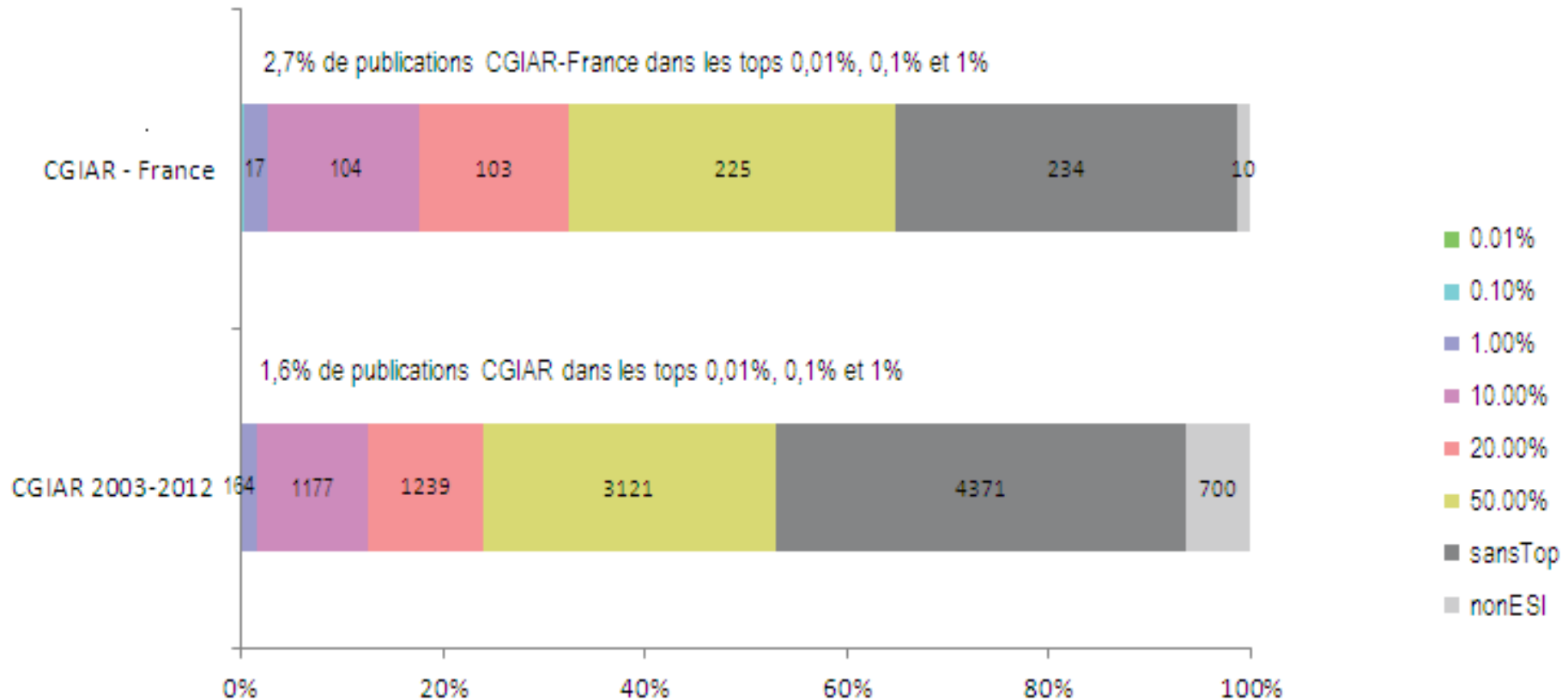


# Notoriétés des revues

- 40,7% de publications publiées dans des revues de notoriété Exceptionnelle ou Excellente



# Analyse des citations des co-publications CGIAR-France



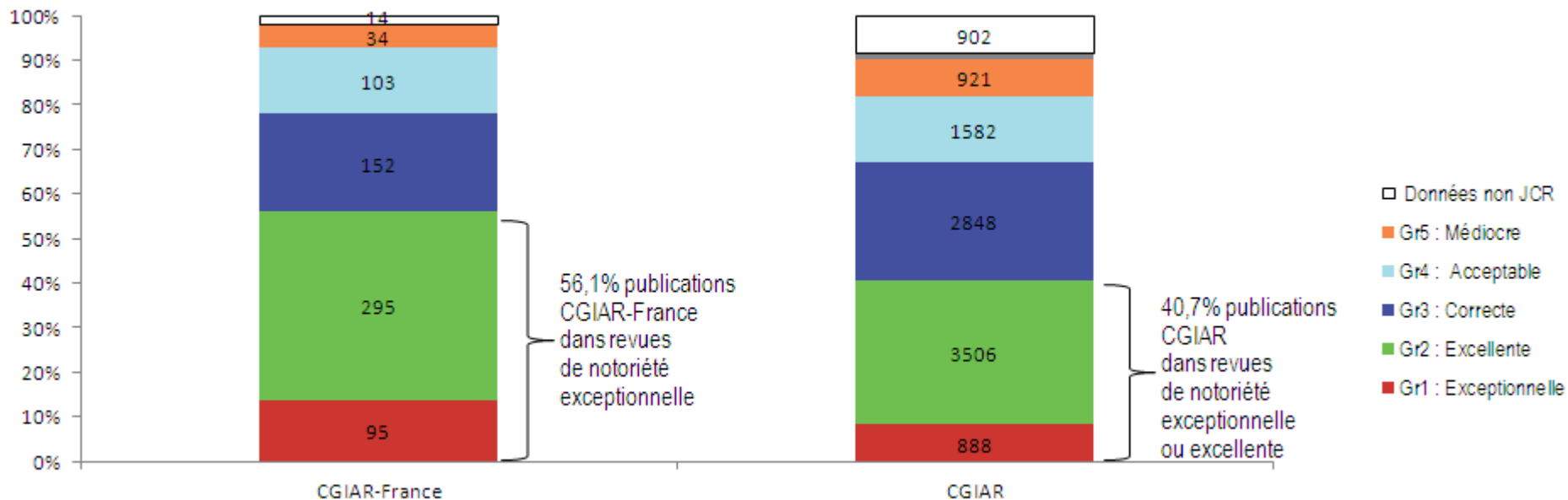
[ Données ESI Thomson Reuters - Traitements Inra Crebi Noria du 17/12/2013 - CGIAR [2003-2012]



# Notoriétés des revues des co-publications CGIAR-France

- 56,1% des publications CGIAR-France sont publiées dans des revues de notoriété Exceptionnelle ou Excellente

Répartition des publications du CGIAR (tout instituts confondus)  
en fonction de la notoriété à 2 ans des revues



Données JCR® Thomson Reuters - Traitements Inra Crebi Noria du 17/12/2013 - Données de citations 11/2013 - CGIAR [2003-2012]

# COLLABORATIONS DU CGIAR

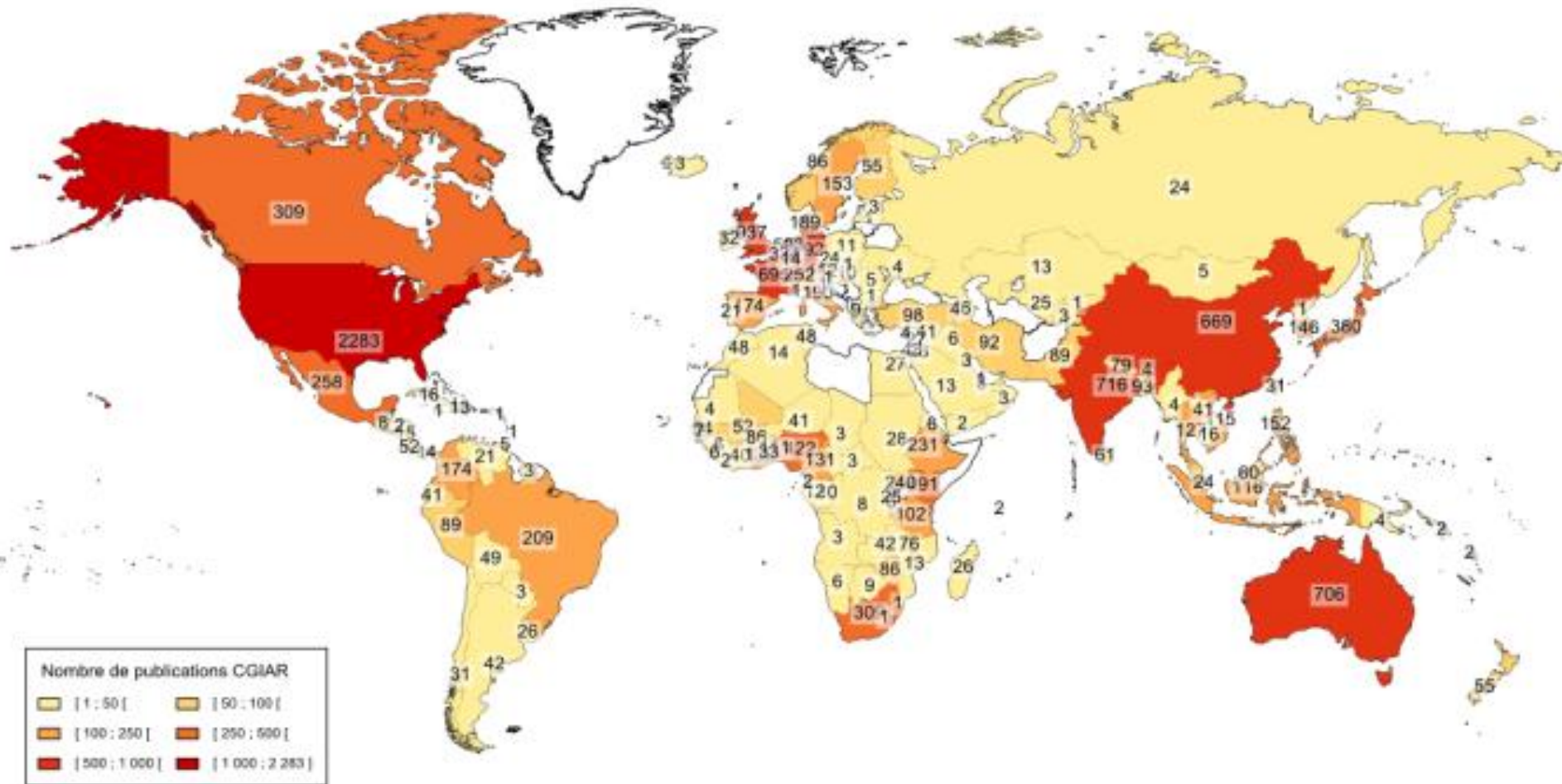
# Les collaborations du CGIAR

- 83,4% des publications CGIAR impliquent un partenaire non CGIAR

| Répartition par zones géographiques des partenaires du CGIAR | Nb co-publications | %     |
|--|--------------------|-------|
| Europe   | 3739               | 35,4% |
| Amérique-du-Nord   | 2653               | 25,1% |
| Asie   | 2507               | 23,7% |
| Afrique  | 2466               | 23,3% |
| Océanie  | 745                | 7,1%  |
| Amérique-Centrale-et-du-Sud                                  | 680                | 6,4%  |
| Proche-Moyen-Orient  | 254                | 2,4%  |

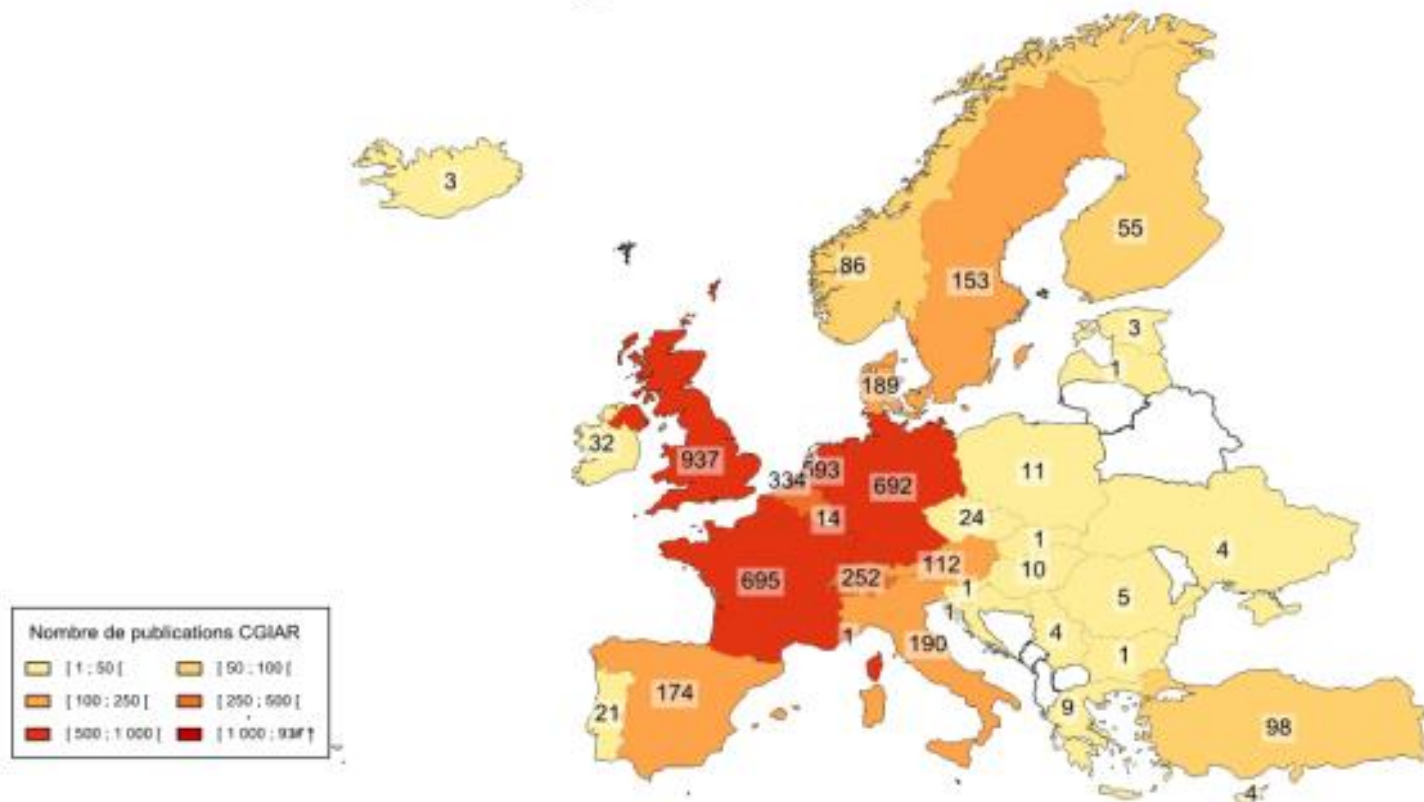
*Données WoS® Thomson Reuters - Traitements Inra DV-IST et Agreenium 12/2013 - CGIAR [2003-2012]*

# Localisation géographique des partenaires du CGIAR



Données WoS® Thomson Reuters – Traitement Inra DV-IST décembre 2013 - CGIAR 2003-2012

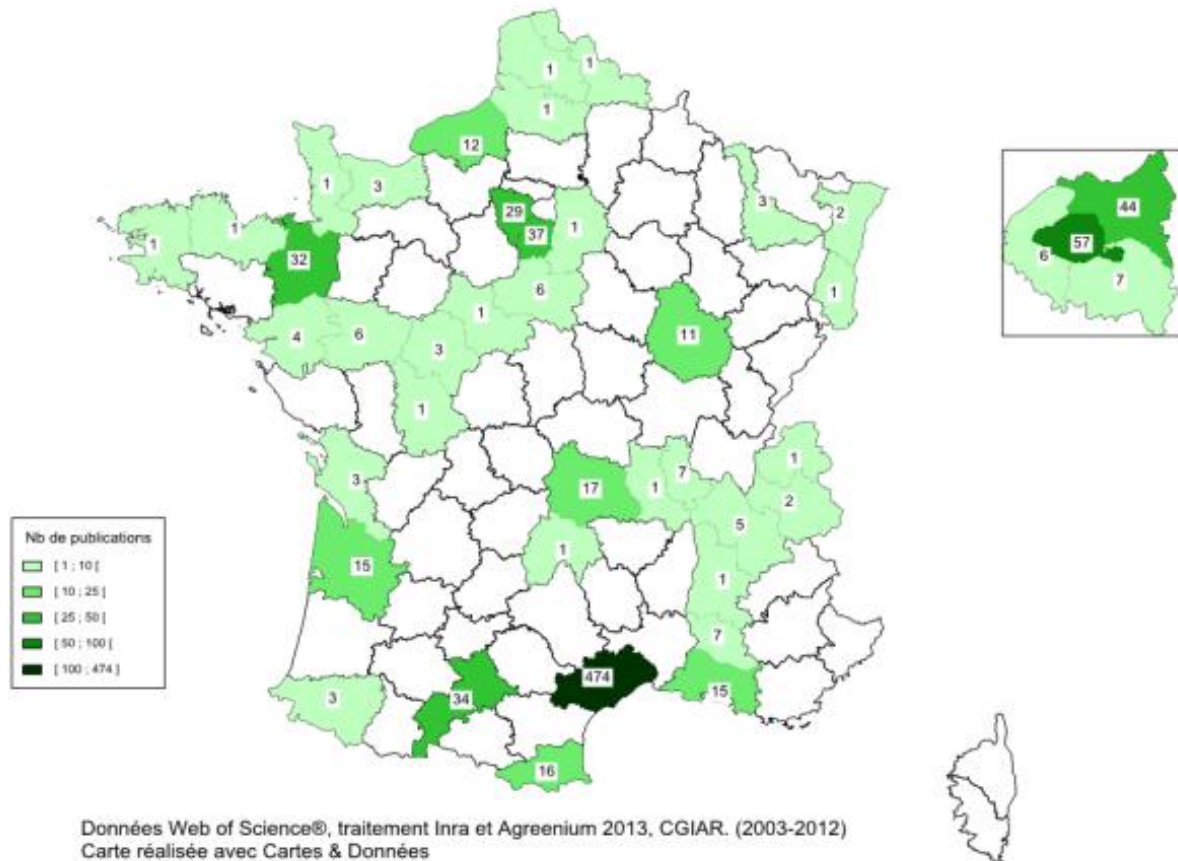
# Localisation des partenaires du CGIAR en Europe



# Localisation des partenaires du CGIAR en France

- 483 co-publications CGIAR avec une adresse située en région Languedoc-Roussillon (soit 64% des publications avec la France)

Répartition géographique des acteurs français co-publiant avec le CGIAR

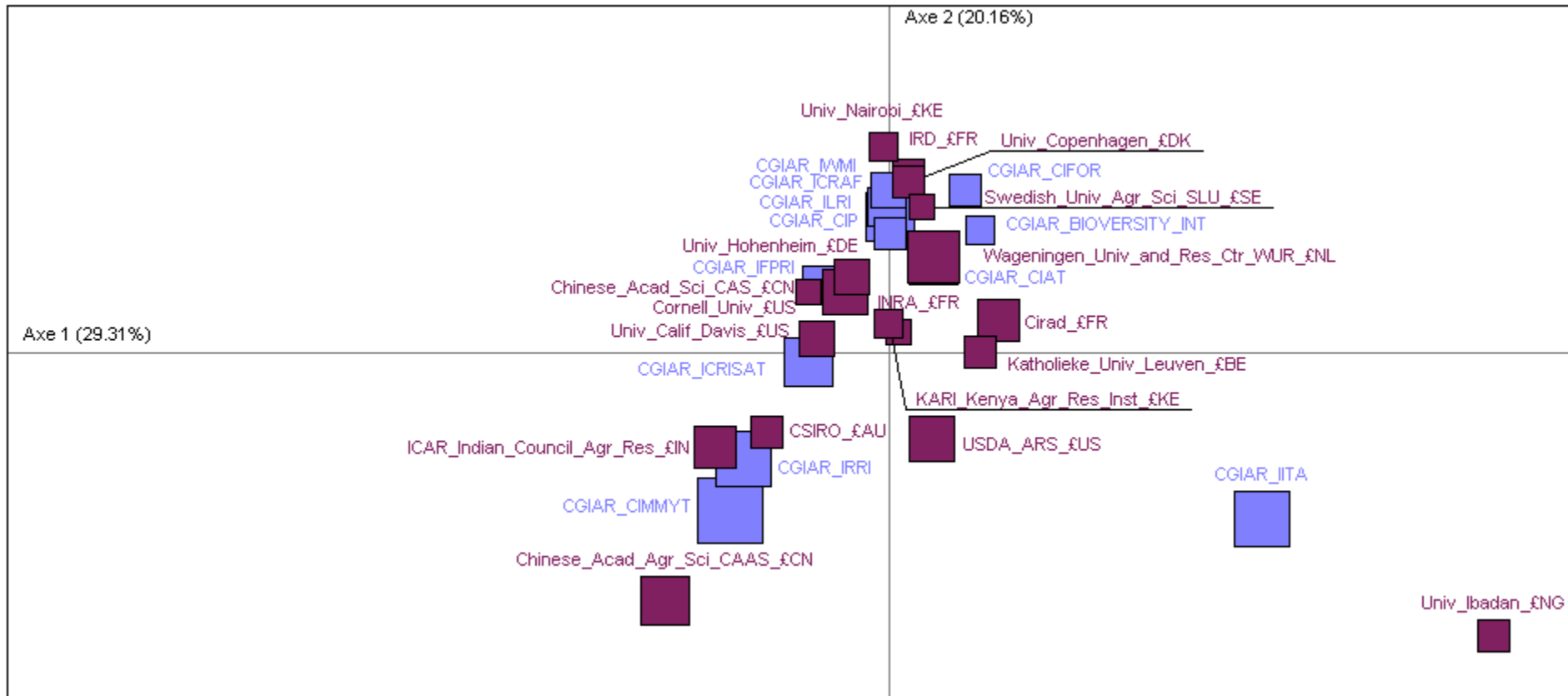


# Principaux partenaires du CGIAR

| Principaux partenaires du CGIAR      | Nb co-publications |
|--------------------------------------|--------------------|
| Wageningen Univ and Res Ctr WUR - NL | 404                |
| Chinese Acad Agr Sci CAAS - CN       | 313                |
| USDA ARS - US                        | 281                |
| Cornell Univ - US                    | 275                |
| <b>Cirad - FR</b>                    | <b>254</b>         |
| ICAR Indian Council Agr Res - IN     | 222                |
| Univ Calif Davis - US                | 172                |
| <b>IRD - FR</b>                      | <b>167</b>         |
| CSIRO - AU                           | 166                |
| Univ Hohenheim - DE                  | 165                |
| Katholieke Univ Leuven - BE          | 153                |
| Univ Copenhagen - DK                 | 147                |
| Univ Ibadan - NG                     | 146                |
| <b>Inra - FR</b>                     | <b>122</b>         |
| Univ Nairobi - KE                    | 111                |
| KARI Kenya Agr Res Inst - KE         | 104                |

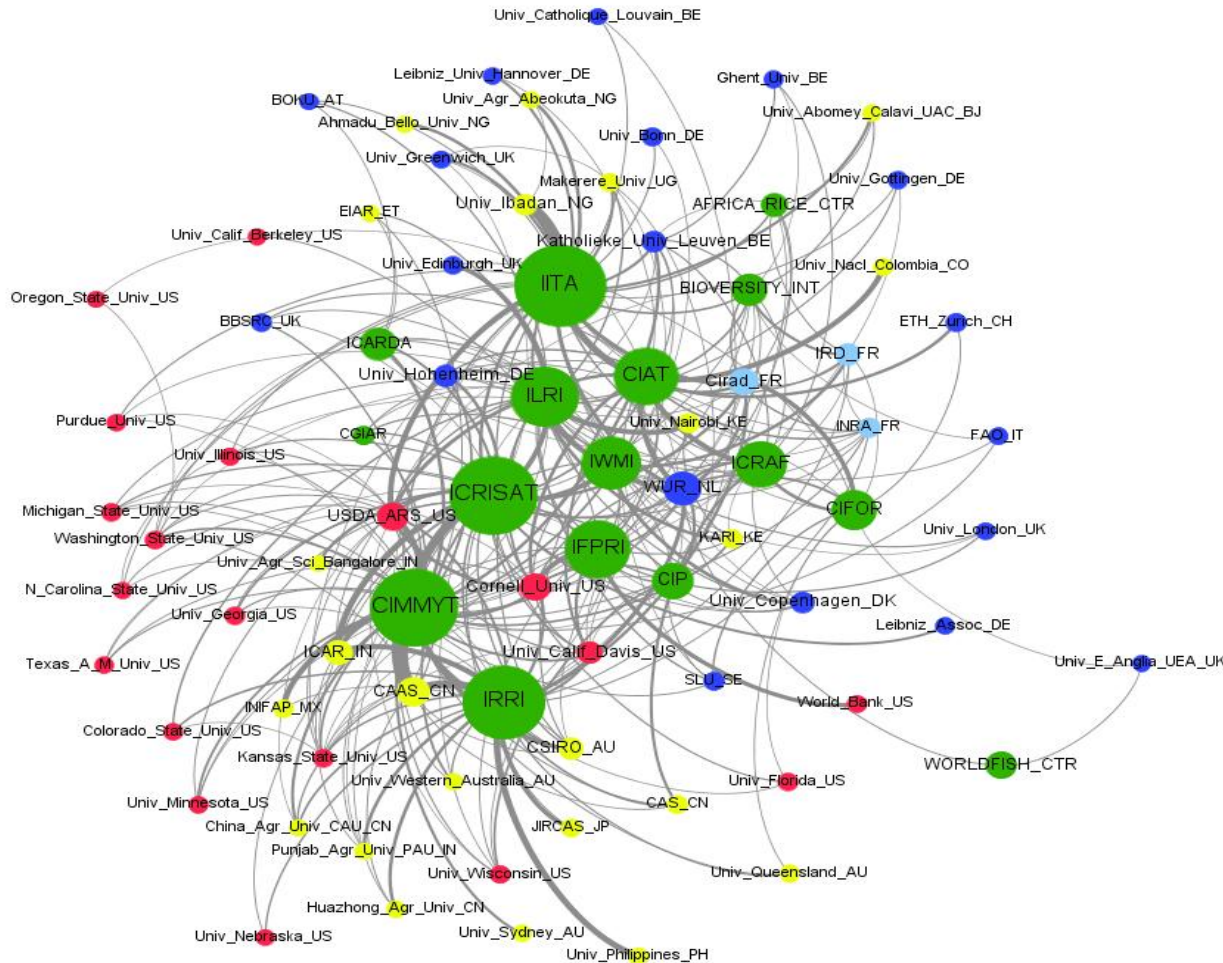
Données WoS® Thomson Reuters - Traitements Inra DV-IST et Agreenium 12/2013 - CGIAR [2003-2012]

# Collaborations des instituts du CGIAR





# Réseau de co-publications entre les instituts CGIAR et leurs principaux partenaires



Données WoS@ Thomson Reuters – 10 785 publications CGIAR 2003-2012 - Traitement Inra DV-IST (décembre 2013)

Réseau des co-publications entre les centres CGIAR (en vert) et leurs principaux partenaires français (en bleu clair), européens (en bleu foncé), américains (en rouge) et autres (en jaune).

Réalisé avec Gephi, algorithme de spatialisation Force Atlas 2, classement : nombre de publications, seuil : 10 co-publications

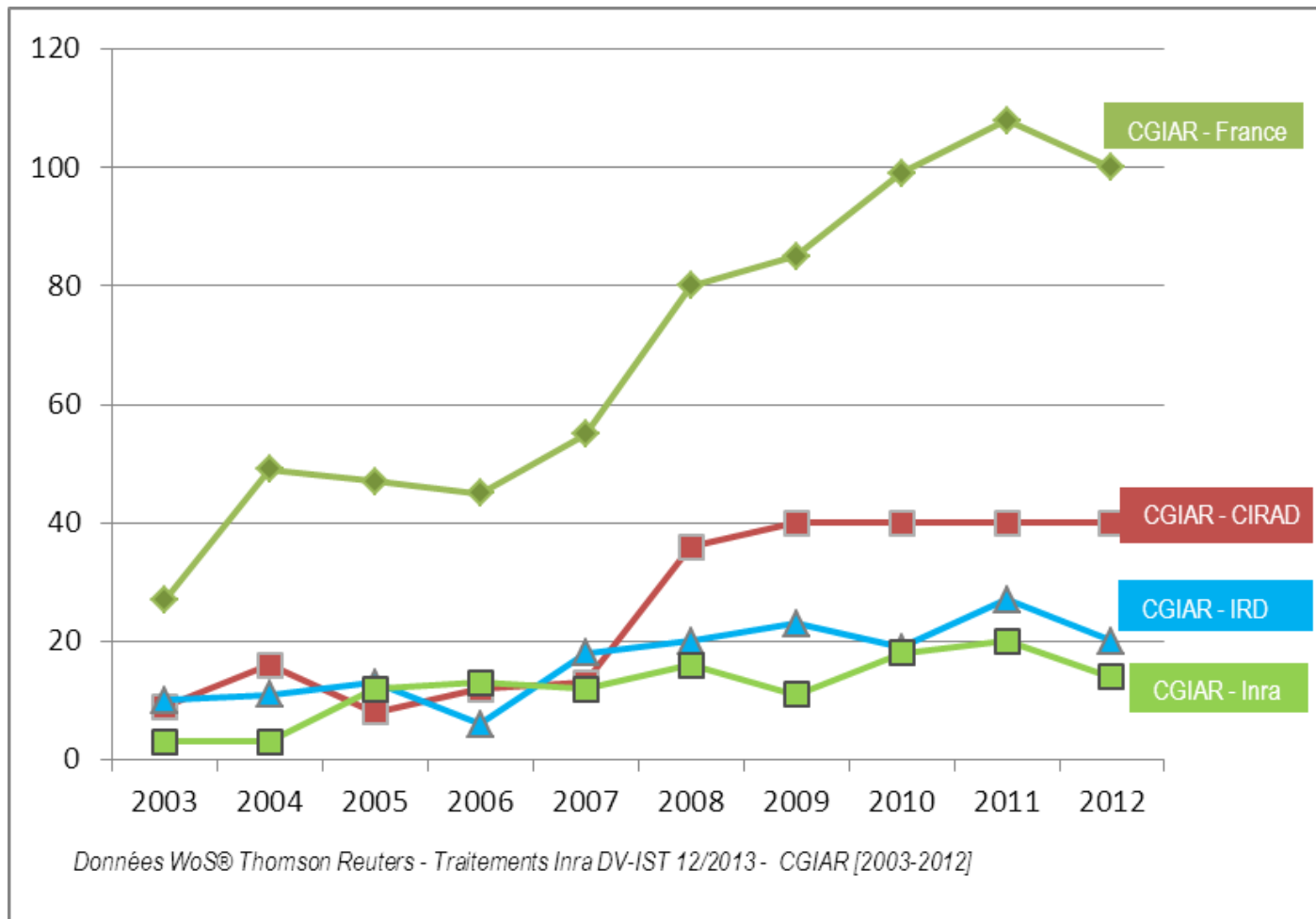
# Les instituts du CGIAR copubliant avec la France

| Instituts du CGIAR | Nb-copublis France -<br>CGIAR |
|--------------------|-------------------------------|
| CIAT               | 119                           |
| CIFOR              | 83                            |
| IITA               | 76                            |
| IRRI               | 72                            |
| IWMI               | 70                            |
| BIOVERSITY INT     | 63                            |
| ICRISAT            | 59                            |
| CIMMYT             | 55                            |
| ILRI               | 40                            |
| ICRAF              | 35                            |
| AFRICA RICE CTR    | 34                            |
| IFPRI              | 23                            |
| WORLD FISH CTR     | 21                            |
| ICARDA             | 20                            |
| CIP                | 13                            |
| CGIAR              | 9                             |

Données WoS® Thomson Reuters - Traitements Inra DV-IST et Agreenium 12/2013  
- CGIAR [2003-2012]

# Co-publications CGIAR - France

- 695 publications CGIAR – France (soit 6,6%)



# Agreenium

## Partenaires Agreenium du corpus :

| Institutions        | N. copublications |
|---------------------|-------------------|
| Cirad               | 254               |
| Inra                | 122               |
| Montpellier Supagro | 24                |
| AgrocampusOuest     | 12                |
| AgroParisTech       | 6                 |
| AgrosupDijon        | 3                 |

**Total des publications Agreenium : 413 ; premier « partenaire » des centres internationaux**

Attention, les publications de chaque institut ne s'additionnent pas, plusieurs institutions ayant adopté le multiligne pour l'écriture des adresses des auteurs.

| Centres CGIAR         | Nb. Publi. |
|-----------------------|------------|
| CGIAR IITA            | 85         |
| CGIAR CIAT            | 66         |
| CGIAR CIFOR           | 60         |
| CGIAR IRRI            | 50         |
| CGIAR ICRISAT         | 45         |
| CGIAR CIMMYT          | 33         |
| CGIAR BIOVERSITY INT  | 28         |
| CGIAR IWMI            | 22         |
| CGIAR AFRICA RICE CTR | 17         |
| CGIAR ILRI            | 16         |
| CGIAR ICARDA          | 15         |
| CGIAR ICRAF           | 12         |
| CGIAR CIP             | 10         |
| CGIAR                 | 4          |
| CGIAR IFPRI           | 3          |
| CGIAR WORLDFISH CTR   | 3          |
| <b>Total</b>          | <b>413</b> |

# Les co-publications Inra-CGIAR

- 87 co-publications entre 2008 et 2012

| Centres Inra                | Nb co-publis Inra-CGIAR |
|-----------------------------|-------------------------|
| MONTPELLIER                 | 21                      |
| VERSAILLES GRIGNON          | 19                      |
| RENNES                      | 13                      |
| DIJON                       | 9                       |
| CLERMONT FERRAND THEIX LYON | 8                       |
| TOULOUSE                    | 5                       |
| BORDEAUX AQUITAINE          | 5                       |
| PACA                        | 4                       |
| ANGERS NANTES               | 3                       |
| ANTILLES GUYANE             | 3                       |
| CENTRE SIEGE DE L INRA      | 1                       |
| JOUY EN JOSAS               | 1                       |
| NANCY                       | 1                       |
| PARIS                       | 1                       |
| TOURS                       | 1                       |

*Données WoS® Thomson Reuters - Traitements Inra DV-IST et Agreenium 12/2013 - CGIAR [2003-2012]*

| Département Inra (pilote) | Nb co-publis Inra-CGIAR |
|---------------------------|-------------------------|
| EA                        | 31                      |
| GAP                       | 20                      |
| SPE                       | 14                      |
| PHASE                     | 9                       |
| EFPA                      | 7                       |
| CEPIA                     | 4                       |
| BV                        | 2                       |
| GA                        | 2                       |
| DIR COLL                  | 2                       |
| SAD                       | 2                       |
| MIA                       | 1                       |
| SA                        | 1                       |
| SAE2                      | 1                       |

*Données WoS® Thomson Reuters - Traitements Inra DV-IST et Agreenium 12/2013 - CGIAR [2003-2012]*

| Principales unités Inra | Nb co-publis Inra-CGIAR |
|-------------------------|-------------------------|
| ECO & SOLS 1222         | 7                       |
| SENAH 1079              | 7                       |
| EGC 1091                | 5                       |
| GDEC 1095               | 4                       |
| GV 320                  | 4                       |
| BIOEMCO 1122            | 3                       |
| CBGP 1062               | 3                       |
| LEPSE 759               | 3                       |
| PSH 1115                | 3                       |
| UMRSV 1065              | 3                       |

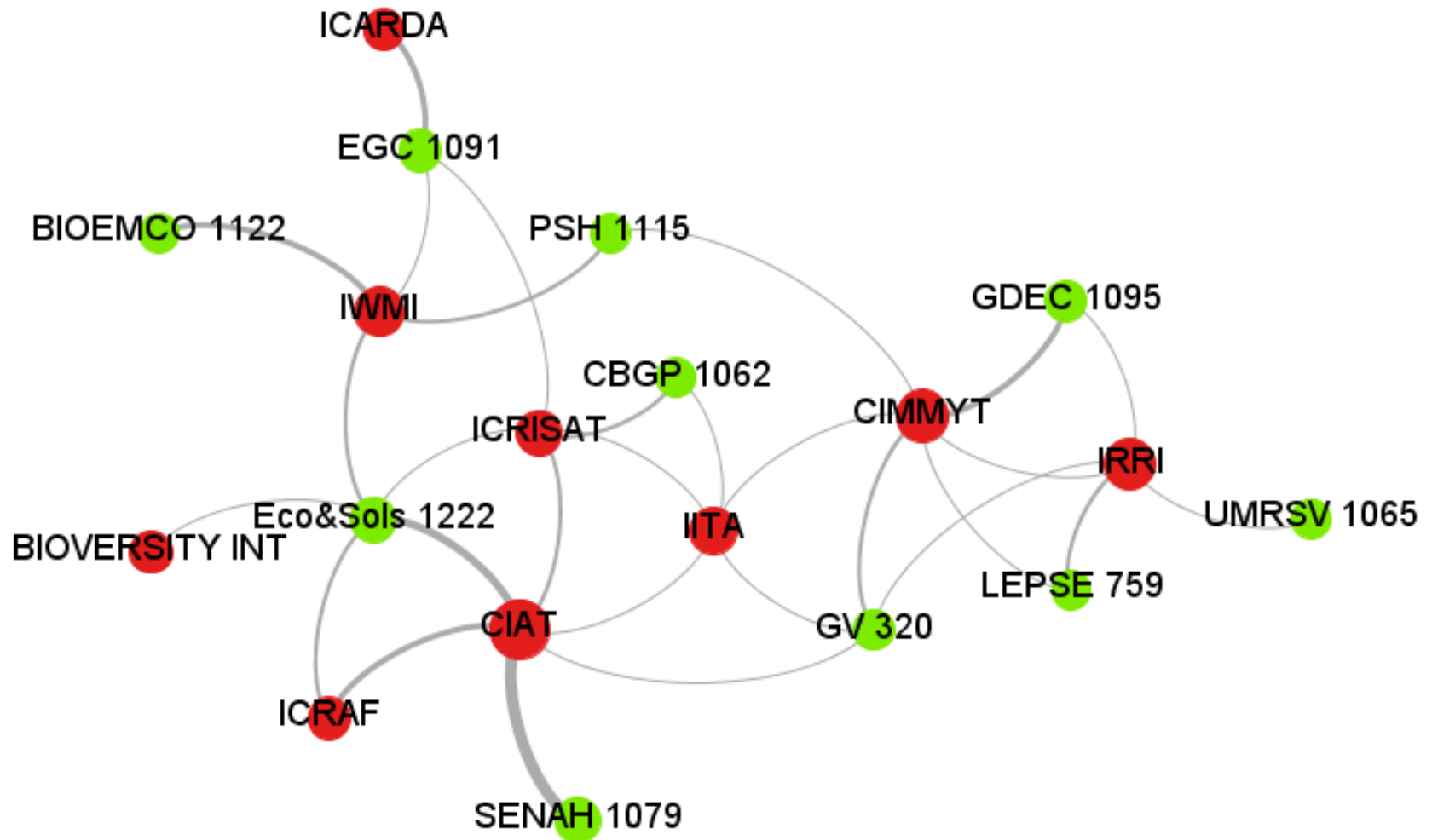
*Données WoS® Thomson Reuters - Traitements Inra DV-IST et Agreenium 12/2013 - CGIAR [2003-2012]*

# Les instituts du CGIAR

## co-publiant avec l'Inra (2008-2012)

| Instituts du CGIAR | Nb co-publications avec Inra<br>2008-2012 |
|--------------------|---|
| CIAT               | 17  |
| CIMMYT             | 12  |
| IRRI               | 11  |
| IWMI               | 10  |
| IITA               | 8   |
| ICRISAT            | 7   |
| ICRAF              | 5   |
| BIOVERSITY INT     | 5   |
| CIFOR              | 4   |
| ICARDA             | 4   |
| ILRI               | 3   |
| CIP                | 2   |
| IFPRI              | 1   |
| AFRICA RICE CTR    | 1   |
| CGIAR              | 1   |
| WORLD FISH CTR     | 0   |

# Réseau de co-publications entre les unités Inra et les instituts CGIAR



Etude téléchargeable sur Prodinra  
<http://prodinra.inra.fr/record/257160>