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Special advisor for Sustainable Development. Office of the D.G. (from January 2003)

Previously (1999 – 2002) **Scientific Director of CIRAD.**

Previously (1994-1999) **Director of ECOPOL** (Research Unit : Economics, policies and markets). Cirad.

Other activities:

- Chairman of the Science and technology committee of **the French Global environment Facility.**
- Vice chairman of the Science Council of the National Institute for Agriculture Research (France).
- Member of the French Academy for Agriculture
- Member of the national panel for research / sustainable development.

Diploma: Agricultural Economics from Institut National Agronomique Paris-Grignon, 1971.

Professionnal training:

- Economic Analysis of projects - Caisse des Dépôts et Consignations (French Bank), 1975.
- INSTN - National Institute of Nuclear Science and Technology) University of Paris IX - Research and Development Economics (DEA Degree program), 1978.

Languages:

French (mother language)
English (read, write, speak)
Spanish (read, write, speak)
Portugues (read, speak)

Distinctions:

Chevalier de l'Ordre National du Mérite

Activities with CGIAR;

- Member of the **international advisory committee of IFPRI** (1989-92)
- Resource person for the **Oversight Committee panel chaired by Gordon Conway** (1993-94). Which promoted the Doubly Green Revolution.
- Member of the **international advisory committee of the 2020 vision initiative of IFPRI** (from 1996)
- Secretary of the **Science Panel of the CGIAR external Review** chaired by Maurice Strong, Bruce Alberts and MS Swaminathan

WORK EXPERIENCE

A) 1972 to 1973

Nicaragua - Agrarian Institute - Setting up agricultural experimentation and economic analyses for **agrarian reform**.

B) 1974 - 1981

France - Caisse des Dépôts et Consignations (CDC) - The CDC is the "Central Bank" for French saving banks. It finances major projects and infrastructures in DCs.

Researcher, Supervisor of the agricultural policies and research-development division at SEDES (Société d'Etudes pour le Développement Economique et Social) study branch of the CDC.

Work carried out for French administrations, various countries, the EEC and international organizations :

Agricultural Policies

1. **France. Forecasting models** for french agriculture : OMTR, (Rapid Medium Term Operation) training session in 1971, projection of farm structures (1974).
2. **Europe. Régional simulation model** for european farmer's incomes (1979-1981). Setting up a data base.
3. **Sénégal. Economic analysis of the rice, cotton and groundnut commodity chains** (1977). Audit of development companies : SAED (Senegal river valley), SODEVA (groundnut), SOMIVAC (Casamance), STN (ranges), SODEFITEX (cotton) - 1976-1977.
4. **Cameroon. Economic evaluation of the cocoa sector** ; implementation of a monitoring and evaluation system for the cocoa economy for SODECAO (BIRD project, CCCE-Caisse Centrale de Coopération Economique).
5. **Tunisia. Installation of an information system** for the agricultural

economy of the north (Jendouba). Financed by FAO.

6. **Morocco. Setting up a model for calculating the costs and impacts** of planning measures taken by the Loukkos Valley Development Office (15,000 ha irrigated land). Financed by FAO

Agricultural research and development projects

7. **Algérie.** Research on **cereal production** and economics for the IGC (field crop institute).
Methodological support and scientific follow-up 1975-1981.
8. **Côte d'Ivoire** (Ivory Coast). Definition, monitoring and evaluation of an **agricultural motorization** project for farmer-operated farms (in cooperation with CIRAD).

Research Programming

9. **Algérie.** Programming of research for the INAF (**National Fruit Tree** Institute) as an economist (1975).
10. **Sénégal.** Programming of agricultural research for the **Senegal River** area (1977-1978).
11. **WAEC/CEAO** (West African Economic Community). **Programming of the agricultural research** in cooperation with CIRAD (1979).
12. **France. Programming of research for agricultural** development of the "Greater Southwest" (1980).

Technological and Economic Forecasting

13. The future of **biotechnology**. Work for the Ministry of Industry (1979).
14. **Outlook for the seed sector**, carried out in cooperation with INRA (National Institute for the Agricultural Research) for the ELF Oil Company (1979-1980).
15. The future of **farm mechanization in Africa**. Study for the Ministry of Industry, in cooperation with CIRAD (1980-1981).
16. The future of **dairy and beef** commodity chains in Brittany and the **sheep and wood** commodity chains in Limousin.

Methodological Work

17. **Economics of Research and Development in the food and agricultural sector.** The case of rape oil, children's nutrition, household bread and cereals, and food packaging in the LDC.

18. **Technical progress in agriculture** and the economics of innovation (1979-1980). Internal SEDES research and study for the French Ministry of Agriculture.
19. **Information systems for economic monitoring and evaluation** of agricultural projects. **Work and seminars** for FAO, CIRAD, CCCE, CEFEB (Bank study and training center in Paris) and IIAP (International Institute for Public Administration) - (1977-1983).

C) 1981 to 1986

France : Ministry of Foreign Relations and Ministry of Cooperation and Development.

Chargé de Mission at the Ministry of Cooperation (1981-1982)

20. **“Rapporteur”** for cooperation research for DCs development. Mission of Mr. Jacques Berque for the Minister of Cooperation and Minister of Research.
21. Mission Leader for **reforms concerning GERDAT (CIRAD) and ORSTOM**.
22. Interim activity as deputy director for research to establish a joint research mission between the Ministry of Cooperation and the Ministry of Research.

Secretary General of F.A.C., Cooperation and Aid Fund (1982-1986)

23. Design and implementation of a **programming system for APD/ODA** (Public Aid for Development).

D) Since september 1986

CIRAD :

Chief Economist-Science Division and Director of URPA (Policy Analysis and Prospective)

24. Definition of the **"CIRAD's strategic plan for the 90's"**.
25. **Organization of international Seminars** (or participation in program committees) :
 - 1989 : Agriculture and commodity chains - CIRAD. Montpellier
 - 1990 : The future of Sahelian agricultures, with Club du Sahel. Montpellier
 - 1991 : Finance and rural development in West Africa. Ouagadougou - CIRAD
 - 1992 : Structural adjustment and agriculture - AEEA - Stuttgart
 - 1992 : Institutional Economics and Agriculture. Montpellier
 - 1992 : Africa-Asia : agricultural policies - CERDI, IFPRI-CIRAD. Clermont Ferrand

- 1993 : Innovation and Societies - CIRAD-INFRA-ORSTOM. Montpellier
- 1995 : Toward a Doubly Green Revolution. Poitiers
- 1995 : Globalisation of the Agricultural and Food economics. CIRAD. French Society of Rural Economists. Paris
- 1996: World Food Security for WFS.
- 1997: The Doubly Green Revolution: facts and trends

26. Definition of strategies in **Environment Economic Research** for CIRAD.
27. Research on **economic models** to define agricultural policies and particularly price policies in Africa and Latin America.
28. Study of needs and requests of the African states in terms of **agricultural policies**. Study of the services available in the countries, in France and in Europe, in order to propose **a focal point of operational research for agricultural policies in Africa**.
29. **Niger**. Analysis and evaluation of the agricultural sector and proposal of an **agricultural policy**. Work financed by the World Bank and Caisse Française de Développement.
30. **Guinea**. Analysis and evaluation of the agricultural sector and proposal of an **agricultural policy**.
31. **West Africa**. Financial and economic analysis of cotton circuits after the drop in market prices in 1986. Comparative advantages of African circuits. Outlook. Development of a strategy. Proposals for stabilizing prices.
32. **West Africa**.: cocoa competitiveness. Economic analysis.
33. **Africa**. New methods of **financing agricultural research** in terms of observed and potential benefits and costs. Accompanied by a doctoral thesis (Marie de Lattre).
34. **France**. Participation in the **external review of CEEMAT** (Study and Experimentation Centre for Tropical Farm Mechanization). Perspectives on the farm mechanization market and food and agricultural technology.
35. **Competitiveness of coffee sectors**. CIRAD, French Cooperation, 1992.
36. Member of the **Michailof prospective group** for the French Cooperation policy in Africa, 1992.
37. **Global disequilibria prospects** in agro food systems. Ministry of Research and Technology, 1989-1991.
38. **Structural adjustment** : public services provision and management of natural renewable resources ; role of the state and decentralized institutions.
39. **Agricultural Policies and environment** : research for the French Environment Agency. 1993.

40. Environment disequilibria and agriculture in a long term perspective - Ministry of Research and Technology, 1989-1992.
41. Definition of a **simulation economic model for agricultural sector** : MATA (Multi Level Analysis Tool for Agriculture) with F. Gérard, D. Deybe and V. Ribier. Applications : 1992 in Indonesia, 1994 in Thailand, 1995 in Viet Nam, Bénin, Burkina and Cameroon.
42. Head of Grain African Importations Research Program. CIRAD-UNIGRAINS
43. **Definition of the agricultural module of the Global Change Model** (OIKIA) of CNRS (Centre National de la Recherche Scientifique)
44. Member of the **Prospective and Strategies working group of CIRAD**. Design of the monitoring system for the CIRAD strategic plan.
45. Manager of the **French "Action Concertée Politique Agricole"** with P. Guillaumont and M. Benoit-Cattin (1990-94). Editor of the book « Conditions Internationales des Politiques Agricoles ». Revue Française d'Economie. Paris, 1994.
46. Modelling the **Sustainable Development Concept**. Research program for the Ministry of Cooperation (1995-1996).
47. Research on **adjustment policies impact on environment**. Collaboration research with IIED (London) CIRES (Côte d'Ivoire) and EDI.
48. **Agricultural Household Economic Adaptation to Price Policies** in Cameroon. Participation in a U.E. research program : F. Heidhues coordinator, (Univ. Hohenheim), F. Kamajou (Univ. Dschang), J. Chataigner (INRA, France) and three PhD.
49. Coordinator of **Agricultural Household Adaptation to Economic Reforms Research Program**. AUPELF with Dao The Tuan (Viet Nam), E. Raparson (Univ. Madagascar), J. Yao (CIRES), P. Guillaumont (CERDI), G. Gherzi (Univ. Laval) - 1995-1999.
50. Consultant for the **FAO Keita Project** (1995).
51. Participation in creating a Pan-african network on agricultural policies with the West and Centre Conference of Ministers of Agriculture. **REPA**(1997) and member of the Scientific Committee.
52. Definition of a Research Programme with FAO on Institutions and Sustainable agricultural and Rural Development. First seminar in Roma - (1996)
53. Head of a research Programme on Green Revolution limits and emergence of a new Green Revolution (Ever Green Revolution) in India - Collaboration with the Human Sciences Center of New Delhi. -(1996)
54. Creation of a Club for Prospective Studies on agriculture and Food with INRA (National Agricultural Research Institute) (1998)
55. Promotion of an **International Campus for Development and**

Environment Economics with

- . Paris I University (IEDES – Inst. for Economic and Social Development)
- . CIREN (Int. Centre for Environment and Development)
- . INRA (Nat. Inst. for Agr. Research)
- . SOLAGRAL (Solidarités agro alimentaires)
- . CIRAD ECOPOL. Economics, Markets and Policies
- . CEDIMES (Institute Centre for Economic and Social Development)

Location: Paris, Bois de Vincennes.

International activities

- **IFPRI** Advisory Committee, 1989-1992
- Scientific Committee of **WALTPS** (West Africa Long Term Perspective Study). OECD - 1992-1994.
- **Club du Sahel** Consultant for the decentralization program and Segou conference (1993) on desertification.
- Ressource Person in the **Oversight Committee Panel of CGIAR** (1993-94). Chaired by G. Conway.
- Advisory Committee of "**2020 vision initiative**". IFPRI
- **Secretary of the Science and Strategy Panel/ review of the CGIAR.**
Chairman: Maurice Strong with Bruce Alberts (P. of the US. Academy of Sciences and MS. Swaminathan.

National activities

- **Rapporteur** for Cooperation Research in Development. Mission of Mr Jacques Berque (1981-82)
- Scientific **Committee CAMPUS** : founding of collaborative universities research programs. Min. of Cooperation. Paris (1989-1992).
- **Scientific and Technical Advisory Committee of the GLOBAL Environment Facility.** French branch. (from 1994).
- Rapporteur for the **Sustainable Development Working Group** of the National Council for Cooperation and Research for Development - Paris (1995-1996).
- Member of the Scientific Committee of the Mission Interministerielle sur l'Effet de Serre (Green House Mission)

Teaching activities

Participation in research seminars :

- PARIS VI Université - (1987)
- EHESS - Ecole des Hautes Etudes en Sciences Sociales (1987-88)

- CNEARC - Centre National d'Etude de l'Agriculture des Régions Chaudes
- ENSAM - Ecole Nationale Supérieure Agronomique de Montpellier
- ENSAR - Ecole Nationale Supérieure Agronomique de Rennes
- INA PG - Institut National Agronomique de Paris-Grignon
- Paris XI- Université d'Orsay

International Main conferences

- London, 1992 - Tropical Agriculture Association. R. Melville lecture. French experience in Tropical Agriculture Research and Development.
- Tokyo-Tsukuba, 1993 - Prospective of Tropical Agriculture.
- Bei Jing, 1995 - Prospective of World desequilibria : agriculture and food. Ministry of Agriculture.
- Brasilia, 1999- A revolucao doplemente verde.
- Maastricht, 1999- The Multifunctional character of agriculture and Land. Introductory conference to FAO-Netherlands Conference.

Associations membership

- IAAE - International Association of Agricultural Economists.
- EAAE - European Association of Agricultural Economists - Member of Steering Committee for LDC Seminars.
- AIEA2 - Association Internationale d'Economie Agro-alimentaire.
- SFER - Société Française d'Economie Rurale - Member of the Board.
- SFE - Société Française d'Economie.

Main Conferences in France

- CANA, Ancenis 1995 - World Food Prospective
- Rhône-Poulenc 1996 - The Doubly Green Revolution
- Futuroscope, Poitiers 1996 - The Doubly Green Revolution.
- Cité des Sciences Paris: 2003 Une révolution agricole fondée sur l'écologie

Editor on the following Reviews

- Projet - Assas Editions - Paris
- Agricultures - John Libbey Editions - Paris
- Quaterly Journal for International Agriculture - Bohn
- Institutional Economics Series - Bloomington – USA

Member of examining boards for PhD (12 thesis from 1995 to 2000)