

## Constance TORELLI

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statistician associated to :  
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Nationality: French  
51 years old

## Technical skills

- Survey methodology and design
- Monitoring and cooperation evaluation
- Knowledge of national statistical institute in developing countries
- Knowledge of statistical services and cooperation in both French administration and international organizations
- Animation of statistical trainings
- English fluent

## CURRICULUM VITAE

### PRESENT PROFESSIONAL SITUATION

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#### **Responsible of international technical cooperation activities for Sub-saharan African and Latin American countries.**

From September 2009 to present : Statistician at INSEE (French National Institute for Statistics and Economic Studies), Paris.

INSEE has a long tradition in cooperation activities. Initially limited to Africa , the cooperation is extended to North African countries in the middle of 70's, then towards East European countries in transition and ex-URSS from 90's. The strategy of cooperation in different statistical domains is financed by Economy and Finances Ministry, foreign Ministry , European Commission or other international organizations.

For sub-Saharan African countries, the statistic cooperation program is linked with activities conducted by the international organization AFRISTAT ([www.afriostat.org](http://www.afriostat.org)) in a twenty countries members of AFRISTAT. This observatory is based in Bamako (Mali).

For Latin American countries, the statistic cooperation program is linked with the international organization Economic Commission for Latin America (ECLA) ([www.cepal.org](http://www.cepal.org)). Only for Brasil, we have a bilateral relationship.

Statistician specialized in survey methodology for developing countries and coordinator for the cooperation program, looking for experts in INSEE and organize for them different support missions. I am in charge to receive foreign visitors and organize meetings with different statistic services in France.

### RECENT PROFESSIONAL SITUATION

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#### **Statistician specialized in survey methodology for developing countries**

September 1998-August 2009 : Statistician INSEE working for **DIAL Economic Interest Grouping (EIG)**

DIAL is a partnership between the French Development Agency (AFD) and the Institute for Development Research (IRD). It is a research unit on development policies in partnership with Southern countries. The research program focuses on formation of inequalities and poverty, governance, institutions and distributions of resources in the long term, and development aid policies. DIAL has a team of around 25 people, including researchers from IRD and other bodies, academics, INSEE statisticians, PhD students and administrative staff. The main location of DIAL is in Paris with three sub-units in Mali, Senegal and Vietnam.

DIAL has developed a « Statistical and Development » department at which I am involved. This pole provides several functions (methodological innovation, production and statistical analysis, publication, participation and organization of international seminars, training and statistical cooperation), mainly around “1-2-3 Surveys” and *Governance surveys*, closely related to the research activities. The “1-2-3 surveys” system of light household surveys created by DIAL helps monitoring changes in employment, the informal sector and poverty in developing countries. DIAL has designed several original applications in many countries in Africa, Latin America and Asian countries. Within the statistical cooperation, carrying out and processing statistical surveys include following steps: technical support on survey budget, conception of questionnaire, sampling design, methodological writing manuals, training for data collection, development computerized programs for data entry, data validation and standard tabulations, and support on statistical analysis.

The IEG-DIAL ending in 2009, DIAL is now including in a research mixt unit (UMR-225) with Paris-Dauphine University. All the previous activities, specially in statistic domain are in course in the UMR. The new structure is composed about fourteen researchers and teachers-researchers and also about fourteen Ph students.

### **Application field of surveys**

**Management of “1-2-3 surveys”:** the system is composed of three nested surveys designed to track the trends in employment, the informal sector and poverty in the developing countries. It is focused on three statistical population approach (individual, households and Informal Product Unit). The first phase is a labour force survey on employment, unemployment and working conditions (phase 1: Labour Force Survey). The second phase concerns the head of informal production units (IPUs): it aims at measuring principal economic and productive characteristics of the production units (production, value added, investment, financing), the major difficulties encountered in developing the business activity, and the demands for public support by the informal entrepreneurs (phase 2: Informal Sector Survey). The third phase is a household expenditure survey designed to estimate households’ consumption in the formal and the informal sector, by products and type of household (phase 3: survey on consumption, formal/informal demand and poverty).

In addition, ad hoc surveys can be added to this basic architecture, corresponding to varying subject specific modules (subjective poverty, governance, democracy, education, health, etc.) grafted to any of the three phases (Roubaud, 1992; STATECO n°78, 1994; n°95-96-97, 2000; n°99, 2005).

**Building of panels of households from « Rural Observatories in Madagascar »:** original tool for analyzing the consumption dynamics in rural households. It draws on the unique database from a panel of household monitored each year. In 1995 there were four observatories (villages) and in 2008 the system survey includes sixteen rural areas.

**Methodological approach of databases, expertising and matching databases** from enterprises administrative directories and other surveys with sample design concerning heads of “entrepreneurs”. Statistical treatment of databases like LSMS surveys (Living Standards Measurement Study), DHS surveys (Demographic and Health Survey), CWIQ surveys (Core Welfare Indicators Questionnaire), etc.

### **Activities detailed on different surveys**

#### *Implementation of “1-2-3 surveys” and “Governance surveys” in countries*

- **Monitoring of « Household business and Informal Sector Survey » (phase 2) in Vietnam** (2007-2008). Technical support missions for launching the survey in Ho Chi Minh city in January 2008 (training for data collection) and processing database of Hanoi’s survey realized in November 2007. Assistance for computerizing programs for data entry, data validation and standard tabulations, analyse and correction of missing values...Support for analyzing first results on phase 2 and on National Labor Force Survey realized in July 2007. Publications in progress. Several missions : 4 weeks in January 2008 in Ho Chi Minh city and Hanoi, 3 weeks in Hanoi in September 2008 and 2 weeks in February 2010 for the second edition of survey realized in December 2009 in Hanoi and January 2010 in HCMC including a panel of production units interviewed in 2007-2008.
- **Monitoring of “National survey on employment and informal sector and households consumption” (EEEICM) in Haïti** (2007-2009). Technical assistance for training for data collection and processing data entry (CSPRO software), writing logical controls programs, and for the preliminary results issues. Four missions of 2 weeks each other (Port-au-Prince, July, November 2007, March 2008, May 2009). Another project in course “EISHA” financed by National Research Agency (ANR) for

studying post-earthquake impact and evaluation of international aids (mission in september 2010), project in collaboration with World Bank and National Haitian Institute of Statistic (IHSI).

- **Monitoring of “Accelerated data Program”** for Democratic Republic of Congo (DRC), selected and financed by the World Bank. Training for using « Microdata Management Toolkit », documentation software developed by WB for preservation of databases. Mission for one training week in Yaounde (Cameroon) in september 2007.
- **Monitoring of “1-2-3 survey” in DRC (2005-2007)**. Technical assistance for processing databases, validation and for integration of first results in DSRP (Strategic document for reduction of poverty). Support for publications for each phase. Three missions of 2 weeks in Kinshasa, November 2005, March 2006 and March 2007.
- **Monitoring of National Survey on Employment and informal sector (ESI2005) in Camroon (2005-2006)**. Technical support for processing databases and for national publications of first results on each phase. Two missions of 2 weeks in Yaoundé, December 2005, February 2006.
- **Identification missions in Haïti** and in **Mauritania** for implementation of 1-2-3 national survey. Support for methodological documents (budget, sampling design and adaptation of questionnaires). Mission of one week in Haïti in October 2005 and in Nouakchott in March 2006.
- **Monitoring of pilot 1-2-3 survey in three regional areas in China** (2002). The survey included 2100 households in urban area (700 households in each of the three provinces (Dalian, Xi'an, Wuhan) with DIAL's support and 1500 households in total three rural areas (Wafangdian, Huxian et Erzhou) with support of CESD-Rome. Two missions of 2 weeks in Beijing, May and July 2002.
- **Monitoring of Governance surveys in each of seven capitals in West African countries**. Three modules (subjective poverty, Democracy and Governance) included in the PARSTAT project (2001-2004). Elaboration and adaptation of questionnaires in each country, training of statistical colleagues in National Statistical Institute, writing programs for data entry, logical controls, support for analyses of first results for each country.
- **Participation in PARSTAT** project (Programme d'Appui Régional Statistique à la Surveillance Multilatérale), in partnership with AFRISTAT (Economic and statistical Observatory of Sub-Saharan Africa), 2001-2004. The operation is financed by European Union, the program of statistical support included several components (National accounts, price index and measure of informal sector in urban areas). Its aimed to improve the national statistical systems in order to elaborate development policies in West African Economic and Monetary Union (WAEMU). Monitoring of all steps of the 1-2-3 survey in partnership with AFRISTAT : elaboration of questionnaires, development of computerized programs for data entry, data validation, standard tabulations, training enumerators and staff of National Statistical Institute, estimation of income with econometric method, creation of synthetic variables, providing support to the analyse of results in each of seven capitals on each of three phases, etc. (softwares SAS, SPSS, STATA). Technical assistance in Cotonou (Benin), Bamako (Mali) and Dakar (Senegal). Several missions of 2 weeks (Cotonou, September 2001, March 2002, June 2003; Dakar, June 2003, December 2004; Ouagadougou, October 2004; Bamako, 5 missions between 2001 and 2004).

### *Expertise, audit and preservation of databases*

- **Participation to the training to the computing system for statistics and preservation of databases** (World Bank's Microdata Management Toolkit) orgnized by AFRISTAT (Bamako, December 2006).
- **Methodological approach for validation and matching databases concerning the National Survey on employment and informal sector in Marocco** (ENE 1999), (48 000 households interviewed and 12 000 Informal Production Units), training one marocco student (summer 2003), support to editing a report with principal results.
- **Technical support to the processing of databases from enterprises directory in Tunisia**, of annual enterprises surveys and panel of units, and of annual surveys on employment. Methodological statistical approach for the estimation of informality rate. Mission of one week (Tunis, January 2002).

- **Validation of databases from rural observatories in Madagascar**, building up a panel of households over the period 1995-2001. Mission of 2 weeks (Antananarivo, July 2001).

### *Animation of training*

- Trainer in partner within the MEDSTAT II project, Social Statistics theme: « Training of trainers: concepts and measurement on poverty and inequalities tools », public: 18 national statistical public servants of the nine south mediterranean countries, partnerships of MEDSTAT II project (Paris, 14-23 April 2008, Paris).
- Participation to MEDSTAT II project (Euro-Mediterranean Statistical Co-operation), Social Statistics theme : animation of the session « Workshop on harmonization of social indicators, animation of group n°IV : living conditions, poverty and communication », public: 40 people of different nine Mediterranean countries (CEFIL, Libourne, 16-19 October 2007).
- Presentation of « 1-2-3 survey » tool (methodology and results) at University of Paris1 (Study of Economic and Social Development Institute), public: 50 students, each year from October 2006 to present , Paris.
- Training « Price index, design, harmonization and renovation », sessions 11 and 12, « Household consumption surveys and ponderation of price index », public: 30 statisticians from West Africa), CEFIL, Libourne (July 2007).
- Animation and support to five Cameroon's statisticians in Paris (DIAL) to editing metodologic documents on national Cameroon's survey (ESI2005) and thematic analysis on comparative «*Urban Labour Market Dynamics in Cameroon, 1993-2005* » (Paris, september 2006).
- Training « Statistical monitoring on poverty », sessions 7 and 8, « The approach of informal sector in 1-2-3 survey », public: 30 statisticians from West Africa), CEFIL, Libourne (June 2005 and June 2006).
- Training of data processing on 1-2-3 survey, on labor market and informal sector, public: 15 statisticians participating t the PARSTAT project (AFRISTAT, Bamako, June 2002, may and june 2003, november 2004).

### *Participation to research studies on poverty and inequalities*

- Participation to the collective book on Labour Market in African Urban Areas. Using the different data on 1-2-3 surveys in principal cities in West Africa, plus the capital of Madagascar and national surveys in Democratic Republic of Congo (Kinshasa) and Cameroon (Yaounde), the project looks at the comparative analysis of market labour within urban aeras. Co-author on two chapters (Introduction on 1-2-3 surveys presentation with descriptif results, chapter on domestic activities and employment). Providing assistance to the researchers on treatment of data and documentation on surveys. Book to be published in 2011.
- Participation to the research program on “Inequalities and equity in Africa”. The research project looks at the measurement of inequality of opportunity in Africa, aside inequality of resources and of living standards. Using large sample surveys in five comparable Sub-Saharan African countries (Côte d’Ivoire, Guinea, Madagascar, Ghana and Ouganda), we confirm the prevalence of high levels of inequality among the region’s countries. Providing support to data treatment, within harmonization of different variables (education, employment, salaries, benefits, consumption, et.) in these countries (Paris, 2005).
- Participation to the research program on “Long-term history and distribution of resources in Africa”. The research project looks at the long-term impact of institutions and institutional history, focusing on West African countries that were colonized by France. It studies the political and administrative modes of administration in the French colonial subdivisions, together with the respective impacts of borders (colonial and post-colonial) and recent policies on border regions and finally the impact of institutions and political history on intergenerational social mobility on a national level. Providing technical support to data treatment within five national surveys (issues during 1985-1998) (Côte d’Ivoire, Ghana, Guinea,

Mali and Burkina Faso), research on historical, geographical informations within different sources of statistics (population census, commune census, geographic system information, etc.), (Paris, 2004-2006).

- Technical assistance to the researchers for analyse social mobility and among generations in five African french and english countries, using LSMS surveys and DHS surveys (Paris, 1999-2002).
- Participation for the collective study on Poverty in West Africa for the World bank, DIAL. This study has been based on "Living social mobility standard" surveys, "Demographic and Health" surveys and "Households budget & expenditures" surveys (Paris, 2000).
- Technical assistance to the researchers for building a panel of Peruvian households over the period 1985-1997, using national Peruvian households' consumption surveys (Paris, 1999).

### *Publications*

RAZAFINDRAKOTO M., ROUBAUD F., TORELLI C. (2009), « La mesure de l'emploi et du secteur informel : leçons des enquêtes 1-2-3 en Afrique », *Stateco* n°104, pp. 11-34 (french and english version)

ANJUENNEYA NJOYA A., DJOMO S., GUILLEMIN S., MBA M., MERCERON S., TORELLI C. (2008), « Urban Labour Market Dynamics in Yaounde between 1993 and 2005 : remained unevenness », *Stateco* n°102, pp 71-95.

VESCOVO A., BOCQUIER P., TORELLI C. (2008), « Measure of informal sector : sensitivity to missing values and validation of probabilistic imputation », *Stateco* n°102, pp 21-45.

MAKABU MA NKENDA T., MBA M., MERCERON S., TORELLI C. (2007), « Informal sector in Democratic Republic of Congo : Principal results of phase 2 of 1-2-3 survey (2004-2005) », *Document de travail DIAL*, DT/2007-15

MAKABU MA NKENDA T., MBA M., TORELLI C. (2007), « Employment, unemployment and activity conditions in Democratic Republic of Congo : Principal results of phase 1 of 1-2-3 survey (2004-2005) », *Document de travail DIAL*, DT/2007-14

VESCOVO A., BOCQUIER P., TORELLI C. (2007), « Measure of informal sector: sensitivity to missing values and validation of probabilistic imputation ». *La Lettre d'AFRISTAT*, n°41, p. 2-4.

DIAL, (2007), «Youth and Labour markets in Africa. A critical review of literature », *Document de travail DIAL*, DT/2007-02

COGNEAU D., BOSSUROY T., DE VREYER P., GUENARD C., HILLER V., LEITE P., MESPLE-SOMPS S., PASQUIER-DOUMER L., TORELLI C., (2006), « « Inequalities and equity in Africa», *Document de travail DIAL*, DT/2006-11 (french and english version)

COGNEAU D., BOSSUROY T., DE VREYER P., GUENARD C., HILLER V., LEITE P., MESPLE-SOMPS S., PASQUIER-DOUMER L., TORELLI C., (2006), « Inequalities and equity in Africa», *Collection "Notes et documents"* septembre, AFD, n°31.

KORIKO O., TORELLI C., (2005), « Consumption and the role of informal sector in household living conditions in six principal towns in UEMOA, 1-2-3 survey, phase 3», *Stateco* n°99, pp. 89-116.

BRILLEAU A., ROUBAUD F., TORELLI C., (2005), « Employment, unemployment and activity conditions, 1-2-3 survey, phase 1», *Stateco* n°99, pp. 42-63.

AMEGUASHIE F., BRILLEAU A., COULIBALY S., KORIKO O., OUEDRAOGO E., ROUBAUD F., TORELLI C., (2005), « Conception and implementation of 1-2-3 surveys in UEMOA countries, methodologic lessons», *Stateco* n°99, pp. 21-41.

BRILLEAU A., ROUBAUD F., TORELLI C. (2004), «Employment, unemployment and activity conditions in the principal towns in seven UEMOA countries, first results of the 1-2-3 survey, phase 1, 2001-2002», *Document de travail DIAL*, DT-2004-06.

DIAL (2000), Poverty study in West Africa : Côte d'Ivoire, Mali and Senegal, report prepared for the World Bank, DIAL, Paris

### *Participation to seminars*

HERRERA J., TORELLI C., (2010), « Domestic work and informal sector employment : what trade-off for women ? », International conference "The Informal sector and informal employment : statistical measurement, economic implications and public policies, 6-7 May 2010, Hanoi, Vietnam.

MERCERON S. TORELLI C., (2007), « Urban Labour Market Dynamics in Cameroon, 1993-2005: Does Growth Transmit to the Households ? », *IZA/World Bank Conference Employment and Development*, 8-9 June 2007, Bonn, Germany.

COGNEAU D., GUENARD C., MESPLE-SOMPS S., SPIELVOGEL G., TORELLI C., (2006), (IRD, Dial, Paris, France) «Development in Côte d'Ivoire's frontiers : a study of national idiosyncrasy in West africa », *7èmes Journées scientifiques du réseau Analyse Economique et développement de l'AUF Thème des journées : "Institutions développement économique et transition"*, 7-8 September 2006, Paris, France

COGNEAU D., BOSSUROY T., DE VREYER P., GUENARD C., HILLER V., LEITE P., MESPLE-SOMPS S., PASQUIER-DOUMER L., TORELLI C., (2006), « Inequalities and Equity in Africa (Côte d'Ivoire, Ghana, Guinea, Madagascar, Uganda) », communication at *Center for the Study of African Economies (CSAE). Reducing Poverty and Inequality: How can Africa be Included? Global Poverty Research Group (GPRG). Conference on Equity, Opportunity and Identity*, 19-21 March 2006, Oxford, England.

MERCERON S., TORELLI C. (2006), « Spatiotemporal comparison for monitoring and development policies using 1-2-3 survey », session on « Public policies on promotion of employment and information systems », presentation to the seminar on *les Systèmes d'Information sur le Marché du travail (SIMT) organized by AFRISTAT*, November 2006, Bamako, Mali.

TORELLI C. (2006), « Statistical sources on manpower (MMO) in France in establishments of 10 wage workers and more », session on « Critical outcome on statistical sources on labor market », presentation to the seminar on *les Systèmes d'Information sur le Marché du travail (SIMT) organized by AFRISTAT*, November 2006, Bamako, Mali.

COGNEAU D., GUENARD C., MESPLE-SOMPS S., SPIELVOGEL G., TORELLI C., (2005), « Institutions and development on the border lines with Côte d'Ivoire », communication to the Journées de l'association française de Sciences Economiques "*Economie du développement et de la transition*", 19-20 May 2005, Clermont-Ferrand, France

BRILLEAU A., ROUBAUD F., TORELLI C., (2004), « Employment, unemployment and activity conditions in the principal towns in seven UEMOA countries, first results of the 1-2-3 survey, phase 1, 2001-2002», presentation to the regional seminar on *first results on 1-2-3 surveys on employment and informal sector*, UEMOA, 8-10 September 2004, Ouagadougou, Burkina Faso

BRILLEAU A., ROUBAUD F., TORELLI C., (2004), « First methodologic lessons on 1-2-3 surveys in UEMOA countries », presentation to the regional seminar on *first results on 1-2-3 surveys on employment and informal sector*, UEMOA, 8-10 September 2004, Ouagadougou, Burkina Faso

TORELLI C., (2003), « Participación al mercado del empleo, análisis de los determinantes ( $\zeta$ ) Según el género: Aproximación comparativa en siete capitales de los países de Africa de Oeste, Tananarivo (Madagascar) y Lima Perú», présentation au colloque sur "*Emploi et Pauvreté*", 16-17 October 2003, Lima, Peru

COGNEAU D., MAURIN E., TORELLI C. (2002), « Social mobility in Africa: a comparative analysis of five sub-saharan societies », présentation au colloque sur *Wealth accumulation, inequality and growth in the long run : new perspectives derived from individual and family data*, Ecole Normale Supérieure, 8-9 February 2002, Paris, France

TORELLI C. (2002), « 1-2-3 survey tool », presentation to the seminar *MEDSTAT I on Informal sector bringings together ten mediteranean countries*, October 2002, Roma, Italy

BACKINY-YETNA P., TORELLI C. (2001), « Poverty in West Africa: Comparative study with Madagascar », presentation to the *international Seminar on Poverty in Madagascar*, 5-6-7 February 2001, Antananarivo, Madagascar

BACKINY-YETNA P., TORELLI C. (2000), « International Comparisons on Poverty in UEMOA Countries in 1996 », presentation to the *Journées d'Economie du Développement, Distribution des revenus, Pauvreté, Bien Etre*, 26 et 27 October 2000, Paris, France

## **PREVIOUS PROFESSIONAL EXPERIENCES**

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### **French National Institute for Statistics and Economic Studies, INSEE, September 1979 to August 1998**

Skills within different departments in INSEE (management of households surveys and enterprises administrative directories. Some details of these different departments:

#### **Activities at INSEE**

##### **Direction Générale in Paris, Division « Households Living Conditions standards» (April 1996 – August 1998).**

- Mission - Monitoring of **Permanent Households Living Conditions Survey in France (EPCV 18,000 households)**. The system included three phases on living conditions (health, labor market, consumption, leisure, financial difficulties, etc.)
- Task - Conception and implementation of additional modules : “Occupations Prestige” in 1996, “Education and professional Careers” in 1997 (1000 households from 4 regions).  
- Results analysis for various thematic of EPCV surveys.  
- Study on social evaluation of occupations

##### **Direction Générale in Paris, Division « Administrative Files on Employment and Income » (March 1993 – March 1996).**

- Mission - Monitoring of the statistical survey “**Monthly Declarations of Manpower movements DMMO for establishments of 50 employees and over in France** ».
- Task - Correspondent for regional management officers co-ordinating regional databases  
- Participation to the reshaping of the statistical computerised process.  
- Participation to the monthly bulletin “Rapid Information”, presenting main results and to the annual publication “INSEE – Results”.  
- Time analysis on enterprises panels matching DMMO results with various other statistical sources from Ministry of Labour (Structure of Employment Survey (ESE)) and from General Directorate on Taxes

##### **Direction Générale in Paris, Division « Employment » (March 1990 – February 1993).**

- Mission - Development of the Statistical Data Dictionary (DDS) for French Labour Force Survey
- Task - Publication of the Statistical Data Dictionary, in conformity with OIT standards  
- Study on the Minimum Insertion Revenue (RMI), and on part time and underemployment.

##### **Direction Générale in Paris, Division « Demographic Directory and Vital Registration » (May 1987 – February 1990).**

- Mission - Preparation to the Family 1990 Survey : Sample of women, aged 15 years and above. Participation to the questionnaire testing and further analysis
- Task - Participation to different tests of the principal questionnaire.

##### **Direction Générale in Paris, Division « Population Census » (August 1983 – April 1987).**

- Mission - Participation to the statistical processing of March 1982 Population Census.
- Task - Elaboration of standard and “hand tailored” tabulations.

**Direction Régionale in Strasbourg, Service Production « Management of SIRENE Directory» (September 1981 – July 1983).**

- Mission - Statistical administration of the National Enterprises and Establishments Identification Directory (SIRENE), in Eastern Region.  
Task - Talking to the Regional Chamber of Commerce and mail exchanges with local enterprises

**Direction Régionale in Paris, Service Production « Management of Annual Social Enterprises Declarations on Wages (DADS)» (16 September 1979 – August 1981).**

- Mission and task - Statistical administration of DADS: Monitoring and manual codification of wage earners occupation and employers activities) for enterprises of Paris Region.

**Publications at INSEE**

CHAMBAZ C., MAURIN E., TORELLI C. (1997), « Social evaluation of professions in France », *Revue Française de sociologie*, XXXIX-1, January–March 1998

LAGARDE S., MAURIN E., TORELLI C., (1996), « Job creations and suppressions in France: study over the period 1987-1992 », *Revue Economie*, , vol 47, n°3, pp 633-642

LAGARDE S., MAURIN E., TORELLI C., (1994), « Job creations and suppressions in France over the period 1984-1992 », *Economie et Prévision*, n°113-114

MAURIN E., TORELLI C. (1994), « Development of part time employment », *Insee première*, n°237, Décembre 1992

MAURIN E., TORELLI C. (1992), « RMI and Labour market », *Economie et Statistique*, n°252, March 1992

**TRAINING AND EXAMINATIONS**

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2009: Master degree M2 in University of Lille “Ingenierie de l’enquête en sciences sociales”  
1979 : Baccalaureate A

**LANGUAGES AND COMPUTER SKILLS**

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French, Italian, mother tongues

English, Intermediate level

Mastering following Statistical software: SAS, SPSS, STATA, ARIEL, EXCEL

Knowledge of data entry software : IMPS, CSPRO

Documentation software: Microdata Management Toolkit, KIT 1-2-3