

RESUME**GENERAL INFORMATION**

Name: **SOMÉ, Juste**

Country of citizenship: Burkina Faso
Country of residence: Permanent Resident of Canada

Language skills: French (native) and English (advanced)

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EDUCATION

- **2014:** Ph.D. (august 20014, expected) in Economics, Department of Economics at University of Montreal, Canada.
- **2009:** Master in Economics and Applied Statistics, National School of Statistics and Applied Economics (ENSEA), Abidjan, Côte d'Ivoire.
- **2006:** Bachelor's in Mathematics, Faculty of Exact and Applied Sciences, University of Ouagadougou, Burkina Faso.

FIELDS OF SPECIALIZATION

- Macroeconomics and Macro-Econometrics

Ph.D. THESIS

Title: Essays on Oil Price Fluctuations and Macroeconomic Activity
Thesis supervisor: CARDIA, Emanuela
Date of completion: 2014 (expected)

PROFESSIONAL ACTIVITIES

- **Lecturer in the Department of Economics at University of Montreal :**
 - **Fall 2013:** Introduction to Macroeconomics “ ECN1050 ”, Undergraduate.
 - **Fall 2012:** Introduction to Macroeconomics “ ECN1050 ”, Undergraduate.
 - **Winter 2012:** Introduction to Macroeconomics “ ECN1050 ”, Undergraduate.
- **Teaching Assistant in the Department of Economics at University of Montreal :**
 - **Summer 2013:** Introduction to Microeconomics “ ECN1040 ”, Undergraduate.
 - **Fall 2012 and Fall 2013:** Macroeconomics “ ECN6118 ”, Graduate.
 - **Fall 2011:** Macroeconomic Theory “ ECN2050 ”, Undergraduate.
 - **Winter 2011 :** Introduction to Macroeconomics “ ECN1050 ”, Undergraduate.
 - **Fall 2010 and Fall 2011:** Econometrics “ ECN6350 ”, Graduate.

INTERNSHIPS

- **2008 August – 2008 October:** Masters Internship at Department of Statistics, Chamber of Commerce and Industry of Ouagadougou, Burkina Faso.

FELLOWSHIPS

- **2009-2014:** Doctoral Scholarship, Department of Economics, University of Montreal, Canada.
- **2006-2009:** Training Award (2006-2009), Development Project of the National Statistical System, National Institute of Statistics and Demography, Burkina Faso.
- **2004-2006:** Undergraduate Scholarship (2004-2006), Faculty of Exact Sciences and Applied, University of Ouagadougou, Burkina Faso.

Ph.D. RESEARCH WORK

1. Somé, Juste (2012): « Oil Demand and Supply Shocks in Canada's Economy » Job Market Paper, University of Montreal.
2. Somé, Juste (2012): « Oil Shocks and Labor Adjustments in Canadian Manufacturing Industries » University of Montreal.
3. Somé, Juste (2013): « Welfare Effects of Oil Storage » (in progress).
4. Somé, Juste (2013): « Macroeconomic Impact of Fuel Subsidy Removal in Burkina Faso » (in progress).

MASTER THESIS WORKING PAPERS

1. Somé, Juste and Ouattara, Abdou (2009) « Effets d'une intégration accentuée sur les économies des pays de l'UEMOA : une analyse à partir des données de panel », ENSEA.
2. Somé, Juste and Ouattara, Abdou (2009) « Estimation des changements des cours du café et du cacao : Filtre de Kalman, filtre de Hodrick-Prescott et modélisation à partir de processus markovien », ENSEA.
3. Somé, Juste (2008) « Contribution à la construction d'un indicateur synthétique de mesure de l'opinion des chefs d'entreprises sur la conjoncture », ENSEA.

CONFERENCE/SEMINAR PRESENTATIONS

- **2013 :** Canadian Economics Association 47th Annual Conference, Montréal QC, Canada.
- **2013 :** 53rd Annual Conference of the Canadian Society of Economics (53e Congrès Annuel de la Société Canadienne de Sciences Économiques), Québec QC, Canada.
- **2012, 2013 :** CIREQ Ph.D. Students' Conference, Montreal QC, Canada.

SOFTWARE SKILLS

MATLAB, STATA, SPSS, EViews, R, SPAD, MICROSOFT OFFICE, LATEX.

REFERENCES

- **CARDIA, Emanuela**
Professor, Department of Economics, University of Montreal.
E-mail : emanuela.cardia@umontreal.ca
- **PERRON, Benoît**
Professor, Department of Economics, University of Montreal.
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SUMMARY OF THE THESIS

1. Oil Demand and Supply Shocks in Canada's Economy (Job Market Paper)

This paper investigates how oil supply shocks, aggregate demand shocks, and precautionary oil demand shocks affect Canada's economy, within an estimated Dynamic Stochastic General Equilibrium (DSGE) Model. The estimation is conducted by Bayesian methods, using quarterly data of Canada over the period 1983Q1 to 2010Q4. The results suggest that the dynamic effects of oil price fluctuations on Canadian macroeconomic aggregates vary according to their sources. In particular, a 10% increase in the real price of oil driven by positive foreign aggregate demand shocks has a significant positive effect of about 0.4% on Canada's real GDP upon impact and the effect remains positive over all horizons. In contrast, an increase in the real price of oil driven by negative foreign oil supply shocks or by positive precautionary oil demand shocks causes an insignificant effect on the Canada's real GDP upon impact but causes a slightly significant decline afterwards. The intuition is that a positive innovation in aggregate demand tends to increase the demand for Canada's overall exports. While oil supply disruptions in foreign economy or positive precautionary oil demand shocks raise uncertainty about future oil prices, which leads firms to postpone irreversible investment expenditures, and tends to reduce Canada's real GDP. Furthermore, among the identified oil shocks, foreign aggregate demand shocks have been relatively more important in explaining the variance of Canadian macroeconomic aggregates over the estimation period.

2. Oil Shocks and Labor Adjustments in Canadian Manufacturing Industries

This paper uses a Panel Structural VAR model to examine the links between oil demand and supply shocks and labor market adjustments in Canadian manufacturing industries. The model is estimated using disaggregated annual data at the industry level from 1975 to 2008. The results show that a positive aggregate demand shock has a positive effect on labor and labor price over all horizons. A negative oil supply shock has a relatively small negative effect upon impact but the effect turns positive after the first year. In contrast, a positive precautionary oil demand shock has a negative impact over all horizons. In addition, the paper also examines how the responses of labor and labor price to the different types of oil shock vary among high and low net trade exposed industries, on the one hand, and among high and low energy-intensive industries on the other hand.

3. Welfare Effects of Oil Storage

In this paper, I examine the role of oil storage in the transmission of oil price shocks and I evaluate the welfare effects associated. I examine how the welfare effects vary under two alternative monetary policy rules, and how these welfare effects vary with the price-elasticity of oil demand and the cost of storage. This paper extends the three-country model of Backus and Crucini (2000) in which I introduce oil storage on the global oil market. The model is characterized by two oil-importing countries (the US and the euro area), and one oil exporting country (or a block of net oil-exporting countries). Storage oil demand is explicitly modeled through two interrelated markets for crude oil as in Pindyck (2004) the cash market for immediate, or spot purchase and sale, and the storage market for inventories. The welfare effects brought about by oil storage is measured by the compensating variation in consumption, which is computed using a second order approximation of the utility function around its deterministic steady state as in Schmitt-Grohe and Uribe (2004) and Kim et al. (2008).