Economic effects of Covid-19 in Luxembourg

First RECOVid working note with preliminary estimates

working note
April 8, 2020
While medical staff has been serving on the front lines since early March, each research discipline aims to offer its humble contribution to the battle against the pandemic. The public health crisis and the measures implemented to make it less severe are more than likely to lead to a deep economic recession which opens up the possibility of systemic collapse of the global economy or of the European financial market. Unsurprisingly, leading economists around the world have suggested plans of actions to mitigate economic damages from Covid-19. Yet, lack of hindsight and information available for research at present makes any forecasting exercise difficult.

In a working note released on April 6, RECOVid – a group of economists based in Luxembourg who join forces to assist the Task Force for the Coordination of the Public Research Sector in the Context of the Covid-19 Pandemic (Work Package 7 led by Aline Muller) – aims to rough out the subject and provide knowledge on the economic issues related to the Covid-19 crisis. The working note provides a summary of ongoing research as well as back-of-the-envelope estimations of the “direct” economic impact of the health crisis and resulting policy measures. It discusses forces that may drive to a breakdown of the global economic system and policy options that are available to decision makers to mitigate the short-run costs and the risk of a systemic collapse. It also provides suggestions for future research.

To clarify the working philosophy, RECOVid wishes to stress that Covid-19 crisis is above all a public health crisis that requires expertise from health scientists. The team takes no stance on the potential trade-off concerning human lives versus material goods and/or social losses in terms of interactions between people. The premise of the working note is that all priority measures should be focused on saving lives and improving health of people. The economists’ contributions and potential recommendations are adjusted/adapted to health experts’ views. The main issues covered are: What are the likely effects of Covid-19 on Luxembourg’s economy? What can be done to maximize the likelihood of a quick recovery... and to minimize the adverse effects of the crisis on inequality, poverty and welfare? What are the strategies to exit the lockdown? What are the potential long-term effects on the economy? Data and quantitative analyses are obviously needed to go further. However, in the face of such an unprecedented challenge, implementing preemptive measures and announcing future policy actions can help restore confidence in the future and reinforce trust in democracy, national and international institutions.
The main messages to take away from the working note are the following:

- When looking at countries at a more advanced stage of the Covid-19 crisis (China, South Korea and Italy), large effects on output growth rates and small businesses’ revenues were identified. In Asia, the prospects of recovery are still very uncertain. In Italy, territorial disparities exacerbate the effects of the shock and a large share of population does not have sufficient resources/deposits to maintain a decent standard of living in case of a long lockdown. [Covered in Sections 2.1 and 2.2]

- In the short-run, macroeconomic damages from Covid-19 are impelled by mechanical effects and uncertain behavioral responses: (i) mortality and morbidity impacts labor supply and the productivity of workers; (ii) necessary measures implemented to flatten the infection curve exert mechanical effects on output; (iii) in a globalized world, disrupting global supply chains induces contamination effects; (iv) the public health crisis alone can generate panic and (potentially drastic) changes in individual behaviors. [Covered in Section 2.3]

- Assuming a baseline-as-usual trend, back-of-the-envelope calculations suggest that the current lockdown could reduce Luxembourg’s monthly output by 28 to 42% depending on the deterioration of the international economy and budget support policy. Each month of lockdown mechanically reduces Luxembourg’s annual GDP by 2.0 to 3.5%. Greater or smaller effects can be obtained if we account for cascading business and individual bankruptcies, or if we assume greater resilience. Assuming the economy will ultimately get back to normalcy, the recession due to Covid-19 is likely to be deeper than the recession induced by the 2008 financial crisis. [Covered in Section 2.4]

- As workers in “lockdown industries” have lower earnings to start with, we may fear a rise in inequality. Very preliminary and provisional estimates suggest that a short lockdown will barely increase poverty rates and inequality indices on the yearly basis. Though, many workers in lockdown industries (e.g. wholesale and retail trade, or accommodation and food service activities) can incur income losses. Fiscal measures are needed to compensate for their losses. In addition, the effect on well-being goes well beyond the monetary impact of the crisis. Welfare losses might be more detrimental for health professionals and for minority groups such as single-person households and households without access to internet. [Covered in Section 2.5]

- During the lockdown, generous budget support policies are unanimously recommended and have been implemented to relieve corporate cash flow and household income. Maintaining a satisfactory state of hibernation that allows the economy to recover quickly would require a deficit equal to the loss of activity due to the lockdown. Assuming a two-month confinement, this means that Luxembourg’s government could inject 3.9 to 5.9% of its baseline-as-usual GDP in the economy. While Luxembourg can probably afford this effort, many countries (including European member states) will not be able to cope alone and will need fiscal support. [Covered in Section 2.6]

- Given the previous finding, the risk of a systemic collapse of the financial system both globally and at the European level cannot be excluded. This would plunge many economies into a persistent recession, with drastic effects on Luxembourg’s economy. Implementing coordinated and preemptive policies such as (i) defining a lender of last resort at the European and national levels and (ii) announcing an unconditional commitment of the EU to support all European economies, would reduce this systemic risk, thereby reducing investors’ fear and guaranteeing that all other fiscal policies remain effective. [Covered in Section 2.7]
• Several strategies to bring workers back to work and unfold the return of economic activity have been discussed in recent works. The most compelling one relies on massive double testing. Its implementation in the case of Luxembourg is complex due to the high reliance on cross-border workers. What if such massive testing fails to be coordinated across countries? [Covered in Section 2.8]
• The report also discusses some “double-edged” mechanisms that can (i) either jeopardize the recovery and lead to protectionist and populist pressures... or make global institutions stronger in the longer term, (ii) either increase global inequality... or induce more solidarity between rich and poor countries, (iii) slow down technical progress... or accelerate a transition towards a new form of digital capitalism. From a longer term perspective, the Covid-19 crisis might lead to permanent effects. In addition to slowing down capital accumulation, it might induce long-term changes in deep preference parameters and in political preferences, affect international linkages and cooperation, lead to a collapse of the neo-liberal model of globalization, and require increasing development assistance. [Covered in Section 3]

RECOVid members

Michel Beine: Professor of economics at the University of Luxembourg, research fellow of IZA, CES-Ifo, IRES and CREAM. His research focuses on the economic issues related to migration, such as mobility of students, climate change and migration and determinants of international migration. He has been acting as an adviser of several international institutions such as the World bank, the European Commission, Industry Canada or the Banque de France.

Simone Bertoli: Professor of Economics at CERDI, Université Clermont Auvergne (France), junior member of the Institut Universitaire de France, short-term external expert at LISER (Crossing Borders). His main research interests include international migration, economic development and labor economics. His current research activities focus on the theoretical and empirical study of the determinants of international migration and on the economic effects produced by migration on origin countries.

Shuai Chen: Research Associate at LISER (LIC department). His research interests include labor economics, political economy, and applied econometrics.

Conchita D’Ambrosio: Professor of Economics at Université du Luxembourg, FNR PEARL Chair. Her research mainly focuses on income and wealth distributions, deprivation, polarization and social exclusion.

Frédéric Docquier: Research Program Leader on Crossing Borders at LISER. His research focuses on the measurement, determinants and consequences of international migration as well as quantitative development theory.

Arnaud Dupuy: Professor of Economics at the University of Luxembourg. His research focuses on matching and hedonic models, performance inequality, micro-foundations of aggregate production functions and sports economics.

Alessio Fusco: Research Associate at LISER (LIC department). His research interests include economic of inequality, poverty, redistributive policies.

Sivia Girardi: Research Associate at LISER (LIC department). Her research interests include
economic of inequality, poverty, redistributive policies.

**Tom Haas:** Head of STATEC Economic modelling and forecasting unit. He is specialised in both empirical and theoretical modelling. His work ranges from short term forecasting to long run projections. He currently focuses on energy consumption and greenhouse gas emissions and evaluates the impact of public support and recovery measures as he did during the financial crisis back in 2009.

**Nizamul Islam:** Research Associate at LISER (LIC department). His research interests include economic of inequality, poverty, redistributive policies, microsimulations.

**Christos Koulovatianos:** Professor of financial economics, macroeconomics and financial markets at the Luxembourg School of Finance. His research interests includes financial markets, household finance, macroeconomics, dynamic games, incomplete information and rational learning, household finance and learning, dynamic endogenous taxation, industry dynamics, technological change and development, demographics and macroeconomics, demographics and household decisions.

**Kristell Leduc:** Research Associate at LISER (LIC department). Her research interests include economic of inequality, poverty, redistributive policies.

**Nathale Lorenz:** Research Associate at LISER (LIC department). Her research interests include economic of inequality, poverty, redistributive policies.

**Joël Machado:** Researcher at LISER (LM department). His work uses quantitative and empirical methods to study the causes and consequences of migration as well as the impact of policies on the management of migrant flows and the integration of immigrants in the destination countries.

**Eugenio Peluso:** Director of the Living Conditions (LC) department at LISER. His research interests include the analysis of inequality and redistributive policies, the theory of collective choices, decisions under risk, urban inequalities, and the effects of migration on inequality.

**Chiara Peroni:** Head of STATEC Research Division. Chiara is an econometrician with a background in macroeconomic analysis and financial econometrics. She is interested in the application of non-parametric methods to measure productivity and efficiency, and to study policy issues, such as environmental degradation and quality of life. Currently, she is engaged in analyzing how happiness is linked to economic outcomes and entrepreneurship.

**Pierre Picard:** Professor of Public Economics, Regional Economics and Industrial Organization at the University of Luxembourg. He is interested in topics linking the fields of public economics, industrial organization, spatial and regional economics and economic geography. His research includes theoretical works about privatization, information technologies, spatial interactions and city formation, firms agglomeration, international trade, fiscal federalism, etc.

**Patrice Pieretti:** Professor of Economics at the University of Luxembourg. His research focuses on spatial economics and jurisdictional competition and more specifically on the economic analysis of small open economies, in particular, the analysis of inter-jurisdictional, the determinants of growth as well as the macroeconomic modeling of small open economies.

**Hillel Rapoport:** Professor of Economics at the Paris School of Economics, University Paris 1, researcher at LISER (Crossing Borders). He serves as scientific advisor to CEPII and as Director
of the department “Dynamics” of the Migration Institute in Paris. His research focuses on the growth and developmental impact of migration and on the economics of immigration, diversity, and refugees’ relocation and resettlement.

**Francesco Sarracino:** Economist at the Research Division of the Statistical Office of Luxembourg where he is in charge of quality of life studies and social cohesion. His work aims at identifying policies to make economic growth compatible with people’s well-being and to pursue sustainable development.

**Denisa Sologon:** Research Associate at LISER (LIC department). Her research interests include economic of inequality, poverty, redistributive policies, microsimulations.

**Konstantinos Tatsiramos:** Professor in Labor Economics at the University of Luxembourg on a joint appointment with LISER (LM department). His main research interests lie in labor economics and applied micro-econometrics, with particular emphasis on labor market institutions, unemployment dynamics, mobility and inequality.

**Michel Tenikue:** Researcher at LISER (LM department). He is specialized in Development Economics with an emphasis on economics of education and demographic economics. He has designed and implemented impact studies in sub-Saharan Africa and in India. His recent research investigates consequences of population dynamics on (income) inequality dynamics.

**Alexandros Theloudis:** Researcher at LISER. His research focuses on household economics and life-cycle behaviour. He is interested in issues that relate to the allocation of consumption and time in the household as well as their dynamics in the presence of risk and uncertainty.

**Philippe Van Kerm:** Professor of Social Inequality and Social Policy at the University of Luxembourg on a joint appointment with LISER. His research interests are in applied micro-econometrics, welfare and labour with particular reference to poverty and income distribution dynamics, wealth inequality, social mobility, wage, tax, social protection and social policy.

**Bertrand Verheyden:** Researcher and formerly Head of the Labor Market Department at LISER. He is a public economist interested in the fields of Labor, Migration and Education. He produces normative analyses on societal challenges such as the optimal provision of childcare and education, the international mobility of human capital and migrants’ integration.

**Vincent Vergnat:** Research Associate at LISER (LIC department). His research interests include economic of inequality, poverty, redistributive policies.
Task force 7.2 – Economic effects of Covid-19 in Luxembourg

Team members

Aline Muller
(LISER, Task leader)

Michel Béine
(Units-Eco)
Simone Bertoli
(CERDI/LISER)
Shuai Chen
(LISER/LIC)
C. D’Ambrosio
(Units-SCSI)
Frédéric Docquier
(LISER/CS)
Arnaud Dupuy
(Units-Eco)
Alessio Fusco
(LISER/LIC)

Silvia Girardi
(LISER/LIC)
Tom Haas
(STATEC)
Nizamul Islam
(LISER/LIC)
C. Koulovatianos
(Units-Eco)
Kristell Leduc
(LISER/LIC)
Nathalie Lorenz
(LISER/LIC)
Joël Machado
(LISER/LIC)

Eugenio Peluso
(LISER/LIC)
Chiara Peroni
(STATEC)
Pierre Picard
(Units-Eco)
Patrice Pietretti
(Units-Eco)
Hillel Rapoport
(PSR/LISER)
F. Saracino
(STATEC)
Denisa Sologon
(LISER/LIC)

K. Tatsiramos
(Units/LISER)
Michel Tenikue
(LISER/LIC)
Alex Theouliès
(LISER/LIC)
Ph. Van Kerm
(Units/LISER)
B. Verheyden
(LISER/LIC)
Vincent Vergnat
(LISER/LIC)
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