

## VoxEU: Strengthening automatic stabilisers could help combat the next downturn

This column presents new OECD estimates which suggest that automatic stabilisers on average offset 60% of a specific shock to market income across 23 OECD economies. However, there are marked differences across OECD countries, **writes Aida Caldera, Alessandro Maravalle, Lukasz Rawdanowicz, Ana Sanchez Chico for VoxEU**



Source: istock

The economic outlook is gloomy in many countries. Growth is expected to be 2.4% in 2020 – the weakest growth rate since the Global Crisis, despite accommodative financial conditions and signs of easing trade tensions (OECD 2020). Downside risks to the outlook persist, including risks arising from geopolitical tensions, policy uncertainty, and, more recently, from the outbreak of the coronavirus. This outlook raises the question of how policymakers could effectively accommodate a downturn. Monetary policy may not be as effective as in the past. The room for conventional monetary policy is limited or exhausted, as central banks in advanced economies have been operating at or near the effective zero lower bound since the Global Crisis. Unconventional

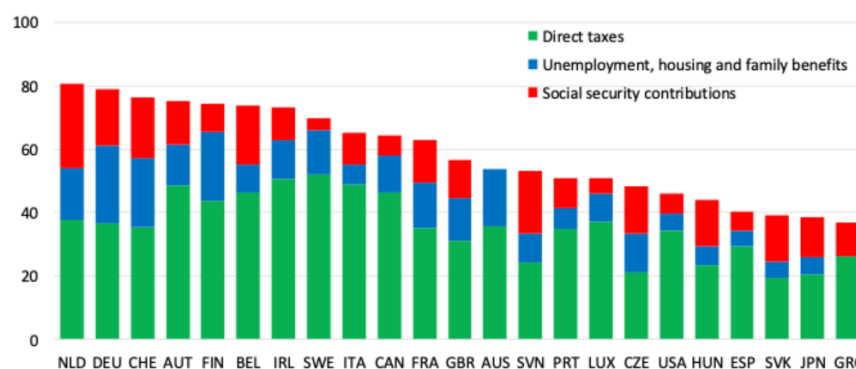
measures may also provide less stimulus as financial conditions have already been very accommodative for an extended period. On the fiscal front, fiscal space differs across countries. A few European economies with relatively low debt have scope to not only let automatic stabilisers operate fully but to also implement discretionary fiscal policy (Boone and Buti 2019). In contrast, for countries with relatively high debt and budget deficits (including France, Japan, Italy, the UK, and the US) the scope for fiscal easing is limited.

Decisions about an optimal fiscal reaction to downturns depend primarily on the size and effectiveness of automatic stabilisers as well as available fiscal space. Automatic stabilisers refer to automatic changes in government spending and revenues that are timely, temporary, and do not require discretionary decisions by authorities. For instance, unemployment benefits rise timely as more workers lose their jobs, are temporary as they diminish with falls in unemployment, and target individuals that are most affected by the downturn. Automatic fiscal stabilisers have traditionally been seen as superior to discretionary fiscal stimulus and are the most effective tool to stabilise the economy after temporary shocks (Blanchard et al. 2010, Sutherland et al. 2010). Further, as no change in legislation is required, automatic stabilisers do not suffer from information, decision, design, and implementation lag contrary to discretionary fiscal measures (Sutherland et al. 2010, Van den Noord 2000).

## How effective are automatic stabilisers?

A new OECD analysis (OECD 2019a, Maravalle and Rawdanowicz 2020) assesses the effectiveness of automatic stabilisers in smoothing household disposable income in 23 OECD countries in the context of a specific negative shock to market income. The analysis is based on the national account identity of disposable income and builds on the OECD methodology of measuring cyclically adjusted budget balances (Price et al. 2015). The analysis accounts for automatic fluctuations in selected tax and expenditure categories including personal income taxes, social security contributions, and unemployment, family, and housing benefits.

**Figure 1** Share of a market income shock offset by specific automatic stabilisers



Source: Source: Maravalle and Rawdanowicz (2020).

Note: The figure shows the degree to which a decline in market income is offset by automatic stabilisers one year after the shock. A ratio of 100 implies that automatic stabilisers offset the shock to market income completely, leaving aggregate household disposable income unchanged. A ratio of 0 implies no automatic stabilisation effects at all, with disposable income falling by as much as market income.

On average, automatic stabilisers absorb around 60% of a specific negative shock to market income across countries (see Figure 1). There are, however, significant differences across economies in the effectiveness of automatic stabilisers, ranging from 80% in some countries like the Netherlands and Germany, to below 40% in other countries like Greece and Japan. Differences across countries mainly reflect non-linear interactions between the size of a specific automatic stabiliser and the set shock scenario analysed, as well as the initial conditions (Maravalle and Rawdanowicz 2020). Figure 1 shows that changes in direct taxes (in green) play the most significant role in stabilising household disposable income in most countries. Rising unemployment, housing, and family benefits (in blue) and falling social security contributions paid by employees (in red) also help buffer the decline in market income, on average in equal proportions across countries.

## How can automatic stabilisers become more effective?

If automatic stabilisers play a useful role, a natural question is whether policymakers could increase the degree of automatic stabilisation -- by rising marginal tax rates or the size of the public sector for example -- without introducing distortions to long-term growth. In the following, we illustrate several options, both on the spending and on the tax side, through which automatic stabilisers may be strengthened. If applicable, we further discuss how countries fared after implementing such measures.

On the spending side, automatic stabilisers can be strengthened by building automatic triggers into unemployment insurance schemes which are linked to the business cycle. In such schemes, the generosity of unemployment benefits automatically depends on the extent and the duration of a downturn. In Canada for instance, eligibility conditions are eased and the length and the level of allowances increases automatically if the regional unemployment rate exceeds some fixed thresholds (OECD 2011). Similarly, the US has a joint state-federal programme, called extended benefits, which allows states to extend the duration of unemployment benefits automatically if their unemployment rate crosses a certain threshold (Chodorow-Reich and Coglianese 2019). However, assessing the effectiveness of this programme is challenging as only a few states have ever opted in and extended benefit duration in a downturn.

Another option to strengthen automatic stabilisers that countries have turned to is implementing automatic or quasi-automatic rules which make spending on active labour market policies contingent on the economic cycle (OECD 2019b). Such rules are currently in place in Australia, Denmark, and Switzerland. If effective, spending on active labour market policies reduces unemployment which in turn sustains individual's incomes while limiting unemployment spending.

Short-time working schemes are a third option to strengthen automatic stabilisers on the spending side. Such schemes make it easier for employers to temporarily reduce hours worked as they compensate workers for the loss of income incurred due to fewer hours. During the 2008-2009 recession, many OECD countries (e.g. Belgium, Turkey, Italy, Germany, and Japan) successfully implemented such short-time working schemes. They are found to not only have reduced job losses but to have further provided income support for affected employees (OECD 2010, Hijzen and Martin 2013).

A last option is making transfers to local governments more contingent on the economic cycle. This might be useful as subnational governments are often bound by balanced budget

requirements, which fuel procyclicality because local expenditure and revenue move together (Boushey et al. 2019, Mohl et al. 2019). Sweden is currently looking into implementing this option in order to mitigate the adverse impact of fiscal decentralisation on macroeconomic stabilisation.

Also, the tax side holds several options to strengthen automatic stabilisers. A first option is to link tax collection more closely to the current economic cycle. Governments could collect taxes based on estimates of current income as opposed to actual income from the previous year. The US, UK, and France have all implemented such “pay-as-you-earn” systems. Another option is to link the collection of real estate property taxes more closely to the real estate cycle to lower the tax burden in a recession. However, this requires both frequent and objective assessment of real estate property values. Ideally, real estate property values should be estimated by an independent body or a specialised governmental organisation on an annual basis as it is done in Iceland and the Netherlands (Almy 2014).

A further option is automatic investment tax deductions. Such deductions can help reduce the cost of capital, ease credit constraints and stimulate investment during downturns (Blanchard et al. 2013). Cyclical bonus depreciation allow businesses to immediately deduct a large percentage of the purchase price of eligible assets, such as machinery, rather than making this deduction spread out through the useful life of the asset. Evidence from the US suggests that such bonus depreciation raised investment in eligible capital by 17% between 2008-2010. The effect was largest among small firms which are typically the most liquidity-constrained (Zwick and Mahon 2017). Finally, cyclical loss-carry backward allows an individual or business to deduce current corporate losses in order to receive an immediate refund of previously paid taxes. This has been implemented in some advanced economies such as Canada, France, Germany, the UK, and the US where hard-hit companies are eligible for immediate tax refunds during recessions.

## Conclusion

Given that monetary policy may not be able to effectively accommodate the next recession, policymakers will need to rely increasingly on fiscal stimulus. Automatic stabilisers have a comparative advantage over discretionary measures as they are timely, temporary, and targeted. Further, while they are typically effective in stabilising household income in most OECD economies, there are large differences across countries. Hence, it is important to find the best way to strengthen automatic stabilisers without introducing distortions ahead of the next recession, especially for countries with weak automatic stabilisers. Possible options on the spending side include installing automatic triggers into certain government spending categories such as unemployment insurance schemes or spending on active labour market policies. Other possibilities are fiscal support for short-time working schemes or transfers to local governments that are more contingent on the economic cycle. Options on the tax side include tax collection schemes that are more closely linked to the current economic cycle as well as automatic investment tax deductions.

*Authors' note: The opinions expressed in this column are those of the authors and do not necessarily reflect the views of the OECD.*

**The original article first appeared on VoxEU [here](#).**

## Author

### **Alissa Lefebvre**

Economist

[alissa.lefebvre@ing.com](mailto:alissa.lefebvre@ing.com)

### **Deepali Bhargava**

Regional Head of Research, Asia-Pacific

[Deepali.Bhargava@ing.com](mailto:Deepali.Bhargava@ing.com)

### **Ruben Dewitte**

Economist

+32495364780

[ruben.dewitte@ing.com](mailto:ruben.dewitte@ing.com)

### **Kinga Havasi**

Economic research trainee

[kinga.havasi@ing.com](mailto:kinga.havasi@ing.com)

### **Marten van Garderen**

Consumer Economist, Netherlands

[marten.van.garderen@ing.com](mailto:marten.van.garderen@ing.com)

### **David Havrlant**

Chief Economist, Czech Republic

420 770 321 486

[david.havrlant@ing.com](mailto:david.havrlant@ing.com)

### **Sander Burgers**

Senior Economist, Dutch Housing

[sander.burgers@ing.com](mailto:sander.burgers@ing.com)

### **Lynn Song**

Chief Economist, Greater China

[lynn.song@asia.ing.com](mailto:lynn.song@asia.ing.com)

### **Michiel Tukker**

Senior European Rates Strategist

[michiel.tukker@ing.com](mailto:michiel.tukker@ing.com)

### **Michal Rubaszek**

Senior Economist, Poland

[michal.rubaszek@ing.pl](mailto:michal.rubaszek@ing.pl)

**This is a test author**

**Stefan Posea**

Economist, Romania  
[tiberiu-stefan.posea@ing.com](mailto:tiberiu-stefan.posea@ing.com)

**Marine Leleux**  
Sector Strategist, Financials  
[marine.leleux2@ing.com](mailto:marine.leleux2@ing.com)

**Jesse Norcross**  
Senior Sector Strategist, Real Estate  
[jesse.norcross@ing.com](mailto:jesse.norcross@ing.com)

**Teise Stellema**  
Research Assistant, Energy Transition  
[teise.stellema@ing.com](mailto:teise.stellema@ing.com)

**Diederik Stadig**  
Sector Economist, TMT & Healthcare  
[diederik.stadig@ing.com](mailto:diederik.stadig@ing.com)

**Diogo Gouveia**  
Sector Economist  
[diogo.duarte.vieira.de.gouveia@ing.com](mailto:diogo.duarte.vieira.de.gouveia@ing.com)

**Marine Leleux**  
Sector Strategist, Financials  
[marine.leleux2@ing.com](mailto:marine.leleux2@ing.com)

**Ewa Manthey**  
Commodities Strategist  
[ewa.manthey@ing.com](mailto:ewa.manthey@ing.com)

#### ING Analysts

**James Wilson**  
EM Sovereign Strategist  
[James.wilson@ing.com](mailto:James.wilson@ing.com)

**Sophie Smith**  
Digital Editor  
[sophie.smith@ing.com](mailto:sophie.smith@ing.com)

**Frantisek Taborsky**  
EMEA FX & FI Strategist  
[frantisek.taborsky@ing.com](mailto:frantisek.taborsky@ing.com)

**Adam Antoniak**  
Senior Economist, Poland

[adam.antoniak@ing.pl](mailto:adam.antoniak@ing.pl)

**Min Joo Kang**

Senior Economist, South Korea and Japan

[min.joo.kang@asia.ing.com](mailto:min.joo.kang@asia.ing.com)

**Coco Zhang**

ESG Research

[coco.zhang@ing.com](mailto:coco.zhang@ing.com)

**Jan Frederik Slijkerman**

Senior Sector Strategist, TMT

[jan.frederik.slijkerman@ing.com](mailto:jan.frederik.slijkerman@ing.com)

**Katinka Jongkind**

Senior Economist, Services and Leisure

[Katinka.Jongkind@ing.com](mailto:Katinka.Jongkind@ing.com)

**Marina Le Blanc**

Sector Strategist, Financials

[Marina.Le.Blanc@ing.com](mailto:Marina.Le.Blanc@ing.com)

**Samuel Abettan**

Junior Economist

[samuel.abettan@ing.com](mailto:samuel.abettan@ing.com)

**Franziska Biehl**

Senior Economist, Germany

[Franziska.Marie.Biehl@ing.de](mailto:Franziska.Marie.Biehl@ing.de)

**Rebecca Byrne**

Senior Editor and Supervisory Analyst

[rebecca.byrne@ing.com](mailto:rebecca.byrne@ing.com)

**Mirjam Bani**

Sector Economist, Commercial Real Estate & Public Sector (Netherlands)

[mirjam.bani@ing.com](mailto:mirjam.bani@ing.com)

**Timothy Rahill**

Credit Strategist

[timothy.rahill@ing.com](mailto:timothy.rahill@ing.com)

**Leszek Kasek**

Senior Economist, Poland

[leszek.kasek@ing.pl](mailto:leszek.kasek@ing.pl)

**Oleksiy Soroka, CFA**

Senior High Yield Credit Strategist

[oleksiy.soroka@ing.com](mailto:oleksiy.soroka@ing.com)

**Antoine Bouvet**

Head of European Rates Strategy

[antoine.bouvet@ing.com](mailto:antoine.bouvet@ing.com)

**Jeroen van den Broek**

Global Head of Sector Research

[jeroen.van.den.broek@ing.com](mailto:jeroen.van.den.broek@ing.com)

**Edse Dantuma**

Senior Sector Economist, Industry and Healthcare

[edse.dantuma@ing.com](mailto:edse.dantuma@ing.com)

**Francesco Pesole**

FX Strategist

[francesco.pesole@ing.com](mailto:francesco.pesole@ing.com)

**Rico Luman**

Senior Sector Economist, Transport and Logistics

[Rico.Luman@ing.com](mailto:Rico.Luman@ing.com)

**Jurjen Witteveen**

Sector Economist

[jurjen.witteveen@ing.com](mailto:jurjen.witteveen@ing.com)

**Dmitry Dolgin**

Chief Economist, CIS

[dmitry.dolgin@ing.de](mailto:dmitry.dolgin@ing.de)

**Nicholas Mapa**

Senior Economist, Philippines

[nicholas.antonio.mapa@asia.ing.com](mailto:nicholas.antonio.mapa@asia.ing.com)

**Egor Fedorov**

Senior Credit Analyst

[egor.fedorov@ing.com](mailto:egor.fedorov@ing.com)

**Sebastian Franke**

Consumer Economist

[sebastian.franke@ing.de](mailto:sebastian.franke@ing.de)

**Gerben Hieminga**

Senior Sector Economist, Energy

[gerben.hieminga@ing.com](mailto:gerben.hieminga@ing.com)

**Nadège Tillier**

Head of Corporates Sector Strategy



[nadege.tillier@ing.com](mailto:nadege.tillier@ing.com)

**Charlotte de Montpellier**

Senior Economist, France and Switzerland

[charlotte.de.montpellier@ing.com](mailto:charlotte.de.montpellier@ing.com)

**Laura Straeter**

Behavioural Scientist

+31(0)611172684

[laura.Straeter@ing.com](mailto:laura.Straeter@ing.com)

**Valentin Tataru**

Chief Economist, Romania

[valentin.tataru@ing.com](mailto:valentin.tataru@ing.com)

**James Smith**

Developed Markets Economist, UK

[james.smith@ing.com](mailto:james.smith@ing.com)

**Suvi Platerink Kosonen**

Senior Sector Strategist, Financials

[suvi.platerink-kosonen@ing.com](mailto:suvi.platerink-kosonen@ing.com)

**Thijs Geijer**

Senior Sector Economist, Food & Agri

[thijs.geijer@ing.com](mailto:thijs.geijer@ing.com)

**Maurice van Sante**

Senior Economist Construction & Team Lead Sectors

[maurice.van.sante@ing.com](mailto:maurice.van.sante@ing.com)

**Marcel Klok**

Senior Economist, Netherlands

[marcel.klok@ing.com](mailto:marcel.klok@ing.com)

**Piotr Poplawski**

Senior Economist, Poland

[piotr.poplawski@ing.pl](mailto:piotr.poplawski@ing.pl)

**Paolo Pizzoli**

Senior Economist, Italy, Greece

[paolo.pizzoli@ing.com](mailto:paolo.pizzoli@ing.com)

**Marieke Blom**

Chief Economist and Global Head of Research

[marieke.blom@ing.com](mailto:marieke.blom@ing.com)

**Raoul Leering**

Senior Macro Economist

[raoul.leering@ing.com](mailto:raoul.leering@ing.com)

**Maarten Leen**

Head of Global IFRS9 ME Scenarios

[maarten.leen@ing.com](mailto:maarten.leen@ing.com)

**Maureen Schuller**

Head of Financials Sector Strategy

[Maureen.Schuller@ing.com](mailto:Maureen.Schuller@ing.com)

**Warren Patterson**

Head of Commodities Strategy

[Warren.Patterson@asia.ing.com](mailto:Warren.Patterson@asia.ing.com)

**Rafal Benecki**

Chief Economist, Poland

[rafal.benecki@ing.pl](mailto:rafal.benecki@ing.pl)

**Philippe Ledent**

Senior Economist, Belgium, Luxembourg

[philippe.ledent@ing.com](mailto:philippe.ledent@ing.com)

**Peter Virovacz**

Senior Economist, Hungary

[peter.virovacz@ing.com](mailto:peter.virovacz@ing.com)

**Inga Fechner**

Senior Economist, Germany, Global Trade

[inga.fechner@ing.de](mailto:inga.fechner@ing.de)

**Dimitry Fleming**

Senior Data Analyst, Netherlands

[Dimitry.Fleming@ing.com](mailto:Dimitry.Fleming@ing.com)

**Ciprian Dascalu**

Chief Economist, Romania

+40 31 406 8990

[ciprian.dascalu@ing.com](mailto:ciprian.dascalu@ing.com)

**Muhammet Mercan**

Chief Economist, Turkey

[muhammet.mercan@ingbank.com.tr](mailto:muhammet.mercan@ingbank.com.tr)

**Iris Pang**

Chief Economist, Greater China

[iris.pang@asia.ing.com](mailto:iris.pang@asia.ing.com)

**Sophie Freeman**

Writer, Group Research

+44 20 7767 6209

[Sophie.Freeman@uk.ing.com](mailto:Sophie.Freeman@uk.ing.com)

**Padhraic Garvey, CFA**

Regional Head of Research, Americas

[padhraic.garvey@ing.com](mailto:padhraic.garvey@ing.com)

**James Knightley**

Chief International Economist, US

[james.knightley@ing.com](mailto:james.knightley@ing.com)

**Tim Condon**

Asia Chief Economist

+65 6232-6020

**Martin van Vliet**

Senior Interest Rate Strategist

+31 20 563 8801

[martin.van.vliet@ing.com](mailto:martin.van.vliet@ing.com)

**Karol Pogorzelski**

Senior Economist, Poland

[Karol.Pogorzelski@ing.pl](mailto:Karol.Pogorzelski@ing.pl)

**Carsten Brzeski**

Global Head of Macro

[carsten.brzeski@ing.de](mailto:carsten.brzeski@ing.de)

**Viraj Patel**

Foreign Exchange Strategist

+44 20 7767 6405

[viraj.patel@ing.com](mailto:viraj.patel@ing.com)

**Owen Thomas**

Global Head of Editorial Content

+44 (0) 207 767 5331

[owen.thomas@ing.com](mailto:owen.thomas@ing.com)

**Bert Colijn**

Chief Economist, Netherlands

[bert.colijn@ing.com](mailto:bert.colijn@ing.com)

**Peter Vanden Houte**

Chief Economist, Belgium, Luxembourg, Eurozone

[peter.vandenhoute@ing.com](mailto:peter.vandenhoute@ing.com)

**Benjamin Schroeder**

Senior Rates Strategist

[benjamin.schroeder@ing.com](mailto:benjamin.schroeder@ing.com)

**Chris Turner**

Global Head of Markets and Regional Head of Research for UK & CEE

[chris.turner@ing.com](mailto:chris.turner@ing.com)

**Gustavo Rangel**

Chief Economist, LATAM

+1 646 424 6464

[gustavo.rangel@ing.com](mailto:gustavo.rangel@ing.com)

**Carlo Cocuzzo**

Economist, Digital Finance

+44 20 7767 5306

[carlo.cocuzzo@ing.com](mailto:carlo.cocuzzo@ing.com)