



>> Sign in here to start your access to the latest two volumes for 14 days

**66** Citations

< Share

**Metrics** 

References

Read this article

# Abstract

Full Article

Reprints & Permissions

🔚 Figures & data

This paper presents estimations of the shadow economies for 162 countries, including developing, Eastern European, Central Asian, and high income OECD countries over 1999 to 2006/2007. According to our estimations, the weighted average size of the shadow economy (as a percentage of 'official' GDP) in Sub-Saharan Africa is 37.6%, in Europe and Central Asia (mostly transition countries) 36.4% and in high income OECD countries 13.4%. We find that an increased burden of taxation (direct and indirect ones), combined with (labour market) regulations and the quality of public goods and services as well as the state of the 'official' economy are the driving forces of the shadow economy.

### Keywords:

JEL Classifications:



## Acknowledgements

Responsibility for the content of this paper is the authors' and should not be attributed to our affiliated institutions. This work is a background paper for the 'In from the Shadow: Integrating Europe's Informal Labor', a World Bank regional report on the informal sector in Central, Southern Europe and the Baltic countries (Task number P112988). We would like to thank suggestions and comments received at the 2010 Annual Meeting of the Public Choice Society (Monterrey, CA), the 2010 Annual Meeting of the European Public Choice Society (Izmir, Turkey), and the workshop Shadow Economy, Tax Policy, and Labour Markets in International Comparison: Options for Economic Policy.

## Notes

<sup>1</sup>Compare the different opinions of Tanzi <u>(1999)</u>, Thomas <u>(1999)</u>, Giles (<u>1999a</u>, <u>1999b</u>) and Pedersen <u>(2003)</u>.

<sup>2</sup>This definition is used for example, by Feige (<u>1989</u>, <u>1994</u>), Schneider (<u>2005</u>, <u>2007</u>), Feld and Schneider (<u>2010</u>) and Frey and Pommerehne (<u>1984</u>). Do-it-yourself activities are not included. For estimates of the shadow economy and the do-it-yourself activities for Germany see Buehn et al. (<u>2009</u>).

<sup>3</sup>See Schneider (<u>1986</u>, <u>2005</u>, <u>2007</u>); Johnson et al. (<u>1998a</u>, <u>1998b</u>); Tanzi (<u>1999</u>); Giles (<u>1999a</u>); Giles and Tedds (<u>2002</u>); Feld and Schneider (<u>2010</u>).

<sup>4</sup>The pioneers of this approach are Frey and Weck-Hannemann <u>(1984)</u> who applied this approach to cross-section data from the 24 OECD countries for various years.

<sup>5</sup>A general overview about the SEM approach is given in, for example, Bollen (1989).

<sup>6</sup>A number of variables is not available for 2007, hence we have two different sets of cause variables.

<sup>7</sup> x <sub>1t</sub> is size of government, x <sub>2t</sub> and x <sub>3t</sub> are the fiscal and business freedom index, and x <sub>4t</sub> represents GDP per capita. All series are taken as standardized deviations from the country-specific mean.

<sup>8</sup>The base values originate from the year 2000 except for some developing countries, for which we sometimes used base values from the year 2005 because of data availability. The MIMIC index has been adjusted to the positive range by adding a positive constant.

**Related Research Data** Shadow Economies: Size, Causes, and Consequences Source: Journal of Economic Literature The shadow economies of Western Europe Source: Economic Affairs Uses and Abuses of Estimates of the Underground Economy Source: The Economic Journal THE MONETARY METHOD AND THE SIZE OF THE SHADOW ECONOMY: A CRITICAL ASSESSMENT Source: Review of Income and Wealth The hidden economy as an 'unobserved' variable Source: European Economic Review Estimating the Size of the Danish Shadow Economy using the Currency Demand Approach: An Attempt Source: Scandinavian Journal of Economics Shadow Economy and Do-it-Yourself Activities: The German Case Source: Journal of Institutional and Theoretical Economics JITE The Unofficial Economy in Transition Source: Brookings Papers on Economic Activity The Underground Economies Source: Unknown Repository THE HIDDEN ECONOMY: STATE AND PROSPECTS FOR MEASUREMENT<sup>1</sup> Source: Review of Income and Wealth Structural Equations with Latent Variables

Source: Unknown Repository The Shadow Economy in Portugal: An Analysis with the Mimic Approach Source: Journal of Applied Economics Measuring the Hidden Economy: Implications for Econometric Modelling Source: The Economic Journal Quantifying the Black Economy: 'measurement Without Theory' Yet Again? Source: The Economic Journal Shadow economies around the world: what do we really know? Source: European Journal of Political Economy CD20-Modified Exosomes Delivered E260 Inhibits Progression of Diffuse Large B-Cell Lymphoma By Restoring Hippo Activity Source: Blood The Underground Economies: Tax Evasion and Information Distortion. Source: The Economic Journal Consumer Expenditures and Home Production at Retirement – New Evidence from Germany Source: German Economic Review Shadow economy and unemployment rate in USA: is there a structural relationship? An empirical analysis Source: Applied Economics Modelling the Hidden Economy and the Tax-Gap in New Zealand Source: Unknown Repository Shadow Economies and Corruption All Over the World: Revised Estimates for 120 Countries Source: Economics: Journal Articles Survey on the Shadow Economy and Undeclared Earnings in OECD Countries Source: German Economic Review

Linking provided by Schole plorer

### Related research 1

People also read Recommended articles	Cited by 548
---------------------------------------	-----------------

Information for	Open access
Authors	Overview
R&D professionals	Open journals
Editors	Open Select
Librarians	Dove Medical Press
Societies	F1000Research
Opportunities	Help and information
Reprints and e-prints	Help and contact
Advertising solutions	Newsroom
Accelerated publication	All journals
Corporate access solutions	Books

#### Keep up to date

Register to receive personalised research and resources by email





Copyright © 2025 Informa UK Limited Privacy policy Cookies Terms & conditions Accessibility

Registered in England & Wales No. 01072954 5 Howick Place | London | SW1P 1WG

