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**Taxation** 

# Taxing Wages 2022 Impact of COVID-19 on the Tax Wedge in OECD Countries

This annual publication provides details of taxes paid on wages in OECD countries. It covers personal income taxes and social security contributions paid by employees, social security contributions and payroll taxes paid by employers, and cash benefits received by workers. It illustrates how these taxes and benefits are calculated in each member country and examines how they impact household incomes. The results also enable quantitative cross-country comparisons of labour cost levels and the overall tax and benefit position of single persons and families on different levels of earnings. The publication shows average and marginal effective tax rates on labour costs for eight different household types, which vary by income level and household composition (single persons, single parents, one or two earner couples with or without children). The average tax rates measure the part of gross wage earnings or labour costs taken in tax and social security contributions, both before and after cash benefits, and the marginal tax rates the part of a small increase of gross earnings or labour costs that is paid in these levies.

Taxing Wages 2022 includes a special feature entitled: "Impact of COVID-19 on the Tax Wedge in OECD countries"

# Governance

# Modernising Integrity Risk Assessments in Brazil Towards a Behavioural-sensitive and Data-driven Approach

The OECD Recommendation on Public Integrity puts risk management at the heart of any strategy or approach to ensure and promote public integrity. This report reviews the current integrity risk assessment methodology in the Brazilian federal executive branch through the lens of behavioural insights and the use of data. After presenting the methodology and analysing the challenges related to its implementation, the report provides three concrete avenues for strengthening and modernising the current approach: acknowledging and addressing cognitive and social barriers, leveraging ongoing efforts to improve the use of data and analytics for preventive purposes, and strengthening the organisational support to integrity risk management to promote a risk management culture in public entities of the federal executive.



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### Governance

# Fighting Transnational Bribery in Croatia Assessment of Legal and Policy Frameworks

This report assesses Croatia's legal and policy framework for fighting transnational bribery based on the criteria applied to countries seeking accession to the OECD Convention on Combating Bribery of Foreign Public Officials in International Business Transactions. The report analyses Croatia's criminal legislation and sanctions applicable to individuals and legal entities that commit bribery. It also examines Croatia's track record in the investigation and prosecution of corruption offences and the overall enforcement framework. Rules on international co-operation, such as mutual legal assistance and extradition, and the non-tax deductibility of bribes are also examined. For each area of analysis, the report identifies areas for improvement and provides recommendations.

# Enhancing the Oversight Impact of Chile's Supreme Audit Institution

### Applying Behavioural Insights for Public Integrity

The impact of the work of supreme audit institutions (SAIs) largely depends on the ability and willingness of the audited entities to implement the changes suggested in the audit reports issued by the SAIs. Applying behavioural insights (BI) can help SAIs promote the uptake of their audit reports and recommendations. BI is a perspective based on psychology, cognitive science, and social science that takes into account how humans actually make choices, and can be used to help design better policies. The report analyses how the SAI of Chile, the Comptroller General of the Republic (CGR), produces audit reports and monitors their follow-up. Based on this analysis, the report identifies and discusses challenges hampering the timely follow-up and identifies opportunities to use behavioural insights to address them. Ultimately, a behaviourally informed review of the auditing and follow-up process could help significantly improve the added value of the CGR's work and thus the effectiveness and efficiency of the public administration in Chile.

# Promoting Integrity through the Reform of the Administrative Penalty System of Bulgaria

This report analyses Bulgaria's legal framework for administrative penalties. Administrative penalties are crucial for ensuring accountability in the public administration. The report assesses the subjective scope of their application, the typologies and levels of administrative penalties, and the proceedings for applying them. The report highlights relevant good practices from other EU Member States, and provides recommendations on how to address key challenges as well as legislative proposals for building a comprehensive legal framework.

### Governance

# Towards Agile ICT Procurement in the Slovak Republic Good Practices and Recommendations

Procurement of information and communication technologies (ICT) plays a decisive role not only in public-service delivery but in public-sector modernisation. This report takes stock of current ICT procurement practices in the Slovak Republic and provides evidence-based strategic policy advice for the Slovak Government on how to adopt more innovative and agile approaches in ICT procurement. It presents examples from OECD countries on ICT procurement reforms and the use of innovative, flexible approaches for public procurement of ICT.

# **OECD Sovereign Borrowing Outlook 2022**

This edition of the OECD Sovereign Borrowing Outlook reviews the impact of the COVID-19 crisis for sovereign borrowing needs, funding conditions and funding strategies as well as outstanding debt for 2020 and 2021, and provides projections for 2022 for the OECD area. It discusses public debt management efforts to support government Environmental, Social and Governance (ESG) agendas through investor relations and ESG-labelled sovereign bonds, and identifies strategic challenges and key elements of good practices in light of country experiences. It also examines the recent developments and trends in debt issuance by governments of emerging market and developing economies, and presents various challenges, priorities and opportunities for sovereign debt management in these economies.

# Fostering Business Development and Digitalisation in Georgia

Fostering SME development and digital transformation helps increase productivity, in turn fostering stronger, more diversified and dynamic economies. The Government of Georgia has made significant policy efforts in recent years to build an environment conducive to private-sector development and entrepreneurship, and to support small and medium-sized enterprises in particular. The OECD has supported this reform impetus, working closely with the Ministry of Economy and Sustainable Development to help identify gaps and develop relevant measures to create a conducive policy environment for Georgian SMEs.



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# Governance

# Illicit Trade in Conflict-affected Countries of the Middle East and North Africa Focus on Yemen

To contribute to the existing pool of evidence on the dynamic interplay between illicit trade and armed conflicts, this report looks at illicit trade flows in four separate conflict-affected countries in the MENA region: Iraq, Libya, Syria and Yemen. For the case of Yemen, the report also presents a deep-dive analysis of illicit trade flows and the relevant governance environment. The findings highlight that illicit trade networks in these countries are dynamic, complex, and heavily integrated into regional and global networks.

# Education

# Pathways to Professions

# Understanding Higher Vocational and Professional Tertiary Education Systems

Higher vocational and professional tertiary education includes programmes with very different design features and functions, ranging from two-year programmes in tertiary institutions through professional bachelor degrees to free-standing professional examinations designed to upskill existing practitioners. In some European countries the scale of enrolment in the higher vocational and professional tertiary education sector now rivals that in regular universities. But not all countries have established a separate sector; in some countries applied, practically oriented programmes are taught within multi-purpose institutions alongside programmes like history or physics.

This report compares this sector across OECD countries, drawing on quantitative and qualitative data. It describes types of programmes across countries and assesses data quality. The report zooms in on pathways leading into vocational and professional programmes and transitions into further learning or the labour market, as well as the profile of learners served by these programmes and links to the labour market.

Comparative data in this area have major gaps because of the lack of internationally agreed definitions for programme orientation at tertiary levels. This report proposes a three-way classification to resolve this problem and sets out practical tools to implement this and thereby improve data availability and quality.

### Education

# OECD Skills Strategy Implementation Guidance for Flanders, Belgium

### The Faces of Learners in Flanders

This OECD Skills Strategy Implementation Guidance report presents a model for the segmentation of the adult learning population in Flanders, which resulted in the identification of nine representative learner profiles. These profiles provide unique insights into the diversity of factors that affect decisions to participate in learning, including motivation, obstacles to learning, socio-demographic characteristics, and labour market characteristics. These profiles will assist Flanders' reflections on how to target and tailor existing and new lifelong learning policies to the needs of learners.

# Building on COVID-19's Innovation Momentum for Digital, Inclusive

Education systems can build on school-led micro-innovations during the pandemic to develop more equitable learning. Empowering teachers to be autonomous, actively engaged in designing learning environments, and knowledgeable and dynamic in using multi-modal technology can encourage more peer-to-peer collaboration in schools and enrich pedagogy. This will be crucial in addressing the learning needs of disadvantaged students and boosting science proficiency with the goal of societal equity.

### Social issues/Migration/Health

### Society at a Glance: Asia/Pacific 2022

This fifth edition of Society at a Glance: Asia/Pacific provides an overview of social indicators for the region. Quantitative evidence on social indicators such as poverty, social expenditures, and demographic well-being and its trends across countries in Asia and the Pacific helps economies identify where they can learn from the experience of other countries. Chapter 1 introduces this volume and provides readers with a guide to help them interpret OECD Social Indicators. The remainder of the publication presents the indicators in a standardised format: one page of figures and accompanying text, pointing the reader to sources and potential caveats with measurement issues. The indicators are grouped into five chapters: general context, self-sufficiency, equity, health and social cohesion. Each chapter holds five indicators, but the health chapter includes an additional indicator to illustrate recent trends in cases and deaths related to the COVID-19 pandemic.



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# Social issues/Migration/Health

# Health Data Governance for the Digital Age Implementing the OECD Recommendation on Health Data Governance

Health data are essential to modern health care delivery, health system management and research and innovation, and must be well governed to foster their use while protecting privacy and data security. The 2016 OECD Recommendation on Health Data Governance provides a roadmap towards more harmonised approaches to health data governance across countries. It recommends implementing national health data governance frameworks and sets out the key principles to follow when doing so, while promoting trans-border co-operation in data governance and interoperability. This report provides an overview of the implementation of the Recommendation from 2016-2021 and finds that while there are examples of good progress, overall many Adherents are still working towards implementation in areas including data sharing, accessibility, quality, interoperability and security and privacy protections. Efforts to support the implementation and dissemination of the Recommendation will continue for the next reporting cycle (2022-27) with a focus on cybersecurity, harmonising health data governance to allow for multi-country projects and improving global health data interoperability.

### **Employment**

# **OECD Reviews of Labour Market and Social Policies: Colombia** 2022

In 2020, Colombia joined the OECD as the 37th Member of the Organisation, bringing to a successful conclusion an accession process that began in 2013. During the accession process, Colombia made important reforms and progress in the area of labour market and social policies, converging towards OECD best policies and practices. However, the OECD invited the Colombian government to continue its reform agenda in four areas in particular: (1) labour informality and subcontracting; (2) labour law enforcement; (3) collective bargaining; and (4) crimes against trade unionists. This report is the first assessment since Colombia's accession to the OECD.

### **Science and Technology**

# **Digital Transformation of National Statistical Offices**

Digital transformations bring about fundamental changes in how institutions – from governments to businesses - operate. National statistical offices (NSOs) face growing expectations from data users and need to adapt their digital capabilities accordingly. For NSOs in low and middle-income countries, who may have had limited exposure to digitalisation to date, keeping pace with rapid technological change is challenging.

This report uses case studies from six NSOs to explore common barriers for NSOs in their digital transformations and identifies specific drivers. The report makes a case for digital transformations through more comprehensive institutional changes such as governance, procurement and human resources. In addition, the report outlines specific recommendations at the individual, technological, organisational and system level to guide NSOs and their partners towards a successful digital transformation.

### **Industry and Services**

# Promoting Start-Ups and Scale-Ups in Denmark's Sector Strongholds and Emerging Industries

Start-ups and scale-ups often make outsized contributions to innovation and job creation. However, while entrepreneurial ecosystems in countries and regions are increasingly studied, less is known about differences by sector. What role do startups and scale-ups play in the development of different future growth sectors? What problems and bottlenecks does government policy need to address? To what extent do the start-up and scale-up contributions and obstacles vary by sector, and what is in common across sectors? This report examines the entrepreneurial ecosystems of three of Denmark's sector strongholds, sectors where future growth is likely to be generated - advanced production, energy technology and food and bio resources. A focus on Denmark includes the scale and nature of start-ups and scale-ups in different sectors, the bottlenecks, the current policies and how they can be refined. In addition, nine international policy experiences are presented as inspiring practices for Denmark and other countries - covering Austria, Canada, Finland, Ireland, the Netherlands, Norway, Sweden, the United Kingdom, and the United States. Recommendations are offered for Denmark across areas such as entrepreneurial finance, networks, public procurement, and cluster management organisations, covering both cross-sector and sector-specific recommendations.



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### **Environment**

### Management of Pharmaceutical Household Waste Limiting Environmental Impacts of Unused or Expired Medicine

Pharmaceutical household waste from expired or unused medicine does not only offer zero therapeutic benefit, but also contributes to environmental pollution when disposed of via improper routes. Medicines discarded in sinks and flushed down toilets enter sewage waters and, if not filtered out, leak into aquatic systems. Disposal of unused and expired medicines via solid household waste can also result in pharmaceutical residues entering the environment if this waste is illegally dumped, or destined for landfills. In addition to environmental risks, unused or expired medicine not only presents a possible public health risk of accidental or intentional misuse and poisoning if extracted from waste bins, but also constitutes wasted healthcare resources.

Preventing pharmaceutical household waste and ensuring the effective collection and environmentally sound treatment of unavoidable waste is thus an important policy objective. This report provides an overview of available data on pharmaceutical consumption and disposal practices across OECD countries, reviews existing collection schemes and provides recommendations to best prevent, collect and treat unused and expired medicines in order to avoid their leakage into the environment.



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### Environment

Safety Assessment of Transgenic Organisms in the Environment, Volume 9

# OECD Consensus Documents on the Biology of Crops: Apple, Safflower, Rice

Volume 9 of the Series compiles the biosafety consensus documents developed by the OECD Working Party on the Harmonisation of Regulatory Oversight in Biotechnology from 2019 to 2021. It deals with the biology of APPLE, SAFFLOWER and RICE, three important crops for agriculture and consumption worldwide. For each plant species, the book includes elements of taxonomy, morphology, centres of origin, life cycle, reproductive biology, genetics, outcrossing, crop production and cultivation practices, interaction with other organisms, main pests and pathogens, and biotechnological developments. The science-based information collated here is available for use during the risk assessment of transgenic varieties intended for release in the environment. Prepared by authorities from OECD Members and other economies associated with the work, this publication should be of value to crop breeders, applicants for agricultural production of new varieties of apple, safflower and rice, national regulators and risk assessors when conducting biosafety assessments on these varieties obtained from modern biotechnology, as well as the wider scientific community. More information is found at BioTrack Online.

### Development

# Geographical Distribution of Financial Flows to Developing Countries 2022

# Disbursements, Commitments, Country Indicators

This publication provides comprehensive data on the volume, origin and types of aid and other resource flows to around 150 developing countries. The data show each country's receipts of official development assistance as well as other official and private funds from members of the Development Assistance Committee of the OECD, multilateral agencies and other key providers. Key development indicators are given for reference.

### Development

# Africa's Development Dynamics 2022 Regional Value Chains for a Sustainable Recovery

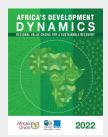
Africa's Development Dynamics uses lessons from Central, East, North, Southern and West Africa to develop policy recommendations and share good practices. Drawing on the most recent statistics, the analysis of development dynamics aims to assist African leaders in reaching the targets of the African Union's Agenda 2063 at all levels: continental, regional, national and local.

The 2022 edition explores how developing regional value chains can help African countries rebound from the socio-economic shocks of the COVID-19 pandemic and accelerate productive transformation. It targets policy areas where private and public actors can support regional value chains when operationalising the African Continental Free Trade Area (AfCFTA). African firms can harness digital innovations to reduce production costs, and governments can design policies for skills development, public procurement and foreign investment to strengthen industrial linkages. Two continental chapters examine related African initiatives and global trends. Five chapters tailor policy recommendations to specific value chains in each region.

Africa's Development Dynamics feeds into a policy debate between governments, citizens, entrepreneurs and researchers. It proposes a new collaboration between countries and regions, focusing on mutual learning and the preservation of common goods. This report results from a partnership between the African Union Commission and the OECD Development Centre.

# Borders and Conflicts in North and West Africa

This publication examines the role of border regions in shaping patterns of violence since the end of the 1990s in North and West Africa. Using the innovative OECD Spatial Conflict Dynamics indicator (SCDi), the report looks at the growing relationship between political violence and borderlands at the regional level, by analysing more than 170 000 violent events between January 1997 and June 2021 and through the exploration of case studies in the Central and Eastern Sahel. Violence in border regions is both more intense in terms of the number of victims and more diffuse geographically than ever before. This report combines quantitative data on the location of violent events and victims, their mapping over time and space, and an analysis of the actors in conflict to answer three crucial questions i) Are borderlands more violent than other spaces? ii) Has the intensity of violence in border regions increased over time? iii) Are some borderlands more violent than others? The growing importance and complexity of transnational conflicts and transnational violent groups in North and West Africa calls for a more place-based analysis in order to create better tailored and more flexible policy options.



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### Energy

# Global EV Outlook 2022

The Global EV Outlook is an annual publication that identifies and discusses recent developments in electric mobility across the globe. It is developed with the support of the members of the Electric Vehicles Initiative (EVI).

Combining historical analysis with projections to 2030, the report examines key areas of interest such as electric vehicle and charging infrastructure deployment, energy use, CO2 emissions, battery demand and related policy developments. The report includes policy recommendations that incorporate lessons learned from leading markets to inform policy makers and stakeholders with regard to policy frameworks and market systems for electric vehicle adoption.

This edition features an in-depth assessment of the EV battery supply chain and reviews government targets and strategies in this area. It assesses charging infrastructure development targets in key regions. A section on the integration of EVs into the distribution grid is also included. Finally, the report makes available two online tools: the Global EV Data Explorer and Global EV Policy Explorer, which allow users to interactively explore EV statistics and projections, and policy measures worldwide.

# Poland 2022 Energy Policy Review

The International Energy Agency (IEA) regularly conducts in-depth peer reviews of the energy policies of its member countries. This process supports energy policy development and encourages the exchange of international best practices and experiences to help drive secure and affordable clean energy transitions.Poland's energy policy aims to decarbonise its energy supply through expanding renewable energy, introducing nuclear energy, powering transportation through electricity, and increasing energy efficiency across the economy. A central aspect of Poland's energy policy is reducing the reliance on coal, especially for electricity generation and building heating. There is a strong policy focus on energy security and ensuring a just transition that maintains affordable access to energy and protects vulnerable consumers, while promoting economic growth.Poland has made notable progress on energy transition. It has one of the fastest growing markets for distributed solar PV in Europe, and it has developed a strong programme to drive offshore wind deployment. Poland has also taken important steps to improve energy security, like diversifying energy imports away from Russia. However, the country's energy mix is still dominated by fossil fuels. All sectors have considerable work ahead to meet targets for increasing the share of renewables, lowering energy demand and reducing emissions. In this report, the IEA provides a range of energy policy recommendations to help Poland smoothly manage the transition to an efficient and flexible low-carbon energy system.

### Energy

### **Belgium 2022 Energy Policy Review**

The International Energy Agency (IEA) regularly conducts in-depth peer reviews of the energy policies of its member countries. This process supports energy policy development and encourages the exchange of international best practices and experiences to help drive secure, affordable and clean energy transitions.Belgium's energy and climate policies push for energy transition through expanding renewable electricity generation and electrifying energy demand, especially for transport. Policies focus on maintaining affordable access to energy with the double aim of protecting vulnerable consumers and ensuring industrial competitiveness. Belgium has made notable progress on deploying offshore wind and increasing the share of electric vehicles. However, fossil fuels still dominate the country's energy mix, a dependence that is expected to increase. All sectors have considerable work ahead of them to meet Belgium's targets for increasing the share of renewables, lowering energy demand and reducing emissions.The IEA provides a range of energy policy recommendations in this report to help Belgium smoothly manage the transition to an efficient and flexible carbon-neutral energy system.



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