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## Taxation

### Taxing Energy Use 2019 Using Taxes for Climate Action

Well-designed systems of energy taxation encourage citizens and investors to favour clean over polluting energy sources. In particular, fuel excise and carbon taxes are simple and cost-effective tools to curb dangerous climate change. Energy and carbon taxes also contribute to limiting health damage from local pollution. Taxing Energy Use (TEU) 2019 presents a snapshot of where countries stand in deploying energy and carbon taxes, tracks progress made, and makes actionable recommendations on how governments could do better. The report contains new and original data on energy and carbon taxes in OECD and G20 countries, and in international aviation and maritime transport.



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### Global Forum on Transparency and Exchange of Information for Tax Purposes

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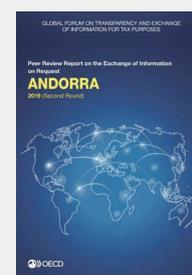
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This report contains the 2019 Peer Review Report on the Exchange of Information on Request of each country.





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## Governance

### Government at a Glance 2019

Government at a Glance provides reliable, internationally comparative data on government activities and their results in OECD countries. Where possible, it also reports data for Brazil, China, Colombia, Costa Rica, India, Indonesia, the Russian Federation and South Africa. In many public governance areas, it is the only available source of data. It includes input, process, output and outcome indicators as well as contextual information for each country.

The 2019 edition includes input indicators on public finance and employment; while processes include data on institutions, budgeting practices and procedures, human resources management, regulatory government, public procurement and digital government and open data. Outcomes cover core government results (e.g. trust, inequality reduction) and indicators on access, responsiveness, quality and citizen satisfaction for the education, health and justice sectors. Governance indicators are especially useful for monitoring and benchmarking governments' progress in their public sector reforms.

Each indicator in the publication is presented in a user-friendly format, consisting of graphs and/or charts illustrating variations across countries and over time, brief descriptive analyses highlighting the major findings conveyed by the data, and a methodological section on the definition of the indicator and any limitations in data comparability.

### The Innovation System of the Public Service of Brazil An Exploration of its Past, Present and Future Journey

Governments must innovate if they are to be effective. In a world of change, a government that stands still will soon be overtaken by events and shifting citizen expectations. This report explores the past, present and possible future journey of the innovation system of the Brazilian public service. It outlines a systemic approach for innovation to mitigate existing biases, and identifies a range of options for the development of a consistent, deliberate and reliable approach to innovation in the public service of Brazil.

### Innovation Skills and Leadership in Brazil's Public Sector Towards a Senior Civil Service System

In Brazil, as in other countries, innovation in the public sector is a core leadership challenge. Reflection is required on who these leaders are, what they should be able to do, and how they should be selected and held accountable to achieve results. This study establishes a new assessment framework for senior civil service (SCS) systems, based on the 2019 OECD Recommendation on Public Service Leadership and Capability. Using this framework, the study assesses Brazil's current system and recommends specific actions to improve it. The report also contributes to a broader debate on public leadership competencies in public sector innovation, and the systems needed to appoint the most effective people and help them achieve results.

## Governance

### Reforming Public Procurement Progress in Implementing the 2015 OECD Recommendation

This report presents progress made by OECD countries and other economies on their adherence to the 2015 Recommendation of the Council on Public Procurement. The Recommendation provides strategic guidance in addressing challenges encountered in public procurement and identifies good procurement practices in order to ensure a strategic and holistic use of public procurement. This report discusses the Recommendation's continued relevance, how widely it has been disseminated, and whether it requires updating or revision.



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## Social Issues / Migration / Health

### The Heavy Burden of Obesity The Economics of Prevention

Almost one in four people in OECD countries is currently obese. This epidemic has far-reaching consequences for individuals, society and the economy. Using microsimulation modelling, this book analyses the burden of obesity and overweight in 52 countries (including OECD, European Union and G20 countries), showing how overweight reduces life expectancy, increases healthcare costs, decreases workers' productivity and lowers GDP. The report makes the urgent economic case to scale up investments in policies to promote healthy lifestyles and tackle this growing global public health problem. The book evaluates a number of policies which could significantly improve health outcomes while being an excellent investment for countries.



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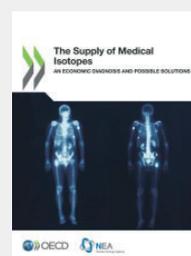
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### The Supply of Medical Isotopes An Economic Diagnosis and Possible Solutions

This report explores the main reasons behind the unreliable supply of Technetium-99m (Tc-99m) in health-care systems and policy options to address the issue. Tc-99m is used in 85% of nuclear medicine diagnostic scans performed worldwide – around 30 million patient examinations every year. These scans allow diagnoses of diseases in many parts of the human body, including the skeleton, heart and circulatory system, and the brain. Medical isotopes are subject to radioactive decay and have to be delivered just-in-time through a complex supply chain. However, ageing production facilities and a lack of investment have made the supply of Tc-99m unreliable. This report analyses the use and substitutability of Tc-99m in health care, health-care provider payment mechanisms for scans, and the structure of the supply chain. It concludes that the main reasons for unreliable supply are that production is not economically viable and that the structure of the supply chain prevents producers from charging prices that reflect the full costs of production and supply.



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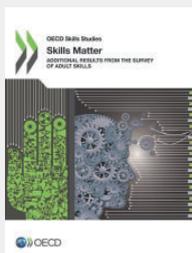


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## Education

### Providing Quality Early Childhood Education and Care Results from the Starting Strong Survey 2018

For most children, early childhood education and care (ECEC) provides the first experience of life in a group away from their families. This experience plays a crucial role in children's learning, development and well-being. The benefits of high-quality ECEC are not restricted to children's first years of life. However, little is known about this first experience. What do children learn and do in ECEC settings? With which staff do children interact at their centres? Do all children face the same opportunities to enrol in high-quality settings? What are the main spending priorities to raise the quality of ECEC? These are key questions for parents, staff and policy makers.

The OECD Starting Strong Teaching and Learning International Survey (TALIS Starting Strong) is the first international survey that focuses on the ECEC workforce. It offers an opportunity to learn about the characteristics of the workforce, the practices they use with children, their beliefs about children's development and their views on the profession and on the sector. This first volume of findings, *Providing Quality Early Childhood Education and Care*, examines multiple factors that can affect the quality of ECEC and thereby can influence children's learning, development and well-being.

## Skills Matter

### Additional Results from the Survey of Adult Skills

In the wake of the technological revolution that began in the last decades of the 20th century, labour-market demand for information-processing and other high-level cognitive and interpersonal skills have been growing substantially. Based on the results from the 33 countries and regions that participated in the 1st and 2nd round of the Survey of Adult Skills in 2011-12 and in 2014-15, this report describes adults' proficiency in three information-processing skills, and examines how proficiency is related to labour-market and social outcomes. It also places special emphasis on the results from the 3rd and final round of the first cycle of PIAAC in 2017-18, which included 6 countries (Ecuador, Hungary, Kazakhstan, Mexico, Peru and the United States). The Survey of Adult Skills, a product of the OECD Programme for the International Assessment of Adult Competencies (PIAAC), was designed to provide insights into the availability of some of these key skills in society and how they are used at work and at home. The first survey of its kind, it directly measures proficiency in three information-processing skills: literacy, numeracy and problem-solving in technology-rich environments.

## Education

### The Survey of Adult Skills Reader's Companion, Third Edition

This edition of the Reader's Companion accompanies Skills Matter: Additional Results from the Survey of Adult Skills that reports the results from the 39 countries and regions that participated in the 3 rounds of data collection in the first cycle of PIAAC, with a particular focus on the 6 countries that participated in the third round of the study (Ecuador, Hungary, Kazakhstan, Mexico, Peru and the United States). It describes the design and methodology of the survey and its relationship to other international assessments of young students and adults.

The Survey of Adult Skills, a product of the OECD Programme for the International Assessment of Adult Competencies (PIAAC), was designed to provide insights into the availability of some key skills in society and how they are used at work and at home. The first survey of its kind, it directly measures proficiency in several information-processing skills – namely literacy, numeracy and problem solving in technology-rich environments.

## Employment

### Negotiating Our Way Up Collective Bargaining in a Changing World of Work

Collective bargaining and workers' voice are often discussed in the past rather than in the future tense, but can they play a role in the context of a rapidly changing world of work? This report provides a comprehensive assessment of the functioning of collective bargaining systems and workers' voice arrangements across OECD countries, and new insights on their effect on labour market performance today. The publication provides a detailed review of existing collective bargaining institutions and workers' voice arrangements. It analyses the role of these institutions for employment, wages, labour market inclusiveness, as well as non-monetary aspects of job quality. The publication also discusses how collective bargaining can be mobilised to address emerging challenges in the labour market, and identifies the type of government intervention that may be required to do this. The report provides a resource for policy makers, trade unions and employers' organisations interested in understanding how collective bargaining and workers' voice can be used to complement public regulation in shaping ever-changing labour markets.



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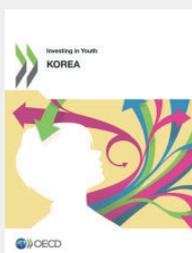
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## Employment

### Individual Learning Accounts Panacea or Pandora's Box?

A rise in non-standard work in many countries and an increased fragmentation of worker careers have created new challenges for training policies at a time when structural transformation is creating a need for both re- and up-skilling. Individual learning accounts have received renewed attention from policy makers, due to their ability to make training rights “portable” from one job or employment status to another.

This report examines past and existing individual learning accounts and other individual schemes to finance training, based on a review of the existing literature as well as six new case studies commissioned by the OECD: The Upper Austrian Bildungskonto, the French Compte Personnel de Formation, the Scottish Individual Learning Accounts/Individual Training Accounts, the Singapore SkillsFuture Credit, the Tuscan Carta ILA, and the Individual Training Accounts in Michigan and Washington in the United States. The report takes stock of these experiences and identifies the advantages and disadvantages of such schemes, as well as the key trade-offs and questions to consider in designing a successful scheme, including targeting, funding, participation of under-represented groups and quality issues.

### Investing in Youth: Korea

The series Investing in Youth builds on the expertise of the OECD on youth employment, social support and skills. It covers both OECD countries and key emerging economies. The report on Korea presents new results from a comprehensive analysis of the situation of young people in Korea, exploiting various sources of survey-based and administrative data. It provides a detailed assessment of education, employment and social policies in Korea from an international perspective, and offers tailored recommendations to help improve the school-to-work transition. Earlier reviews in the same series have looked at youth policies in Brazil (2014), Latvia and Tunisia (2015), Australia, Lithuania and Sweden (2016), Japan (2017), Norway (2018), and Finland and Peru (2019).

## Industry and Services

### SME and Entrepreneurship Policy in Ireland

This publication presents the findings of an OECD review of SME and entrepreneurship policy in Ireland. It assesses the challenges for SME and entrepreneurship development and offers recommendations for future policy.

SMEs and entrepreneurs play a crucial role in the Irish economy, with SMEs accounting for more than 70% of employment. Attitudes to entrepreneurship are positive and SME innovation rates are high. However, SME productivity has not been increasing in recent years, business entry and exit rates are low and few Irish SMEs are directly engaged in exports. There is also untapped potential for entrepreneurship among women, youth and migrants, and variations across the country in SME and entrepreneurship performance.

Ireland has a strong set of policies and programmes to address these challenges. The business environment is generally favourable, there are many best practice programmes for supporting high potential SMEs and entrepreneurs, and strong co-ordination of policies across government. At the same time, policies could be strengthened in areas such as growing productivity in medium-sized businesses, increasing the start-up rate, increasing exports, fostering enterprise networks and clusters, drafting a unified SME and entrepreneurship policy strategy document and strengthening the role of Local Enterprise Offices.

### Supporting Entrepreneurship and Innovation in Higher Education in Austria

The Austrian higher education system has consistently recognised the need to become more entrepreneurial and innovative with a view to supporting the economic, social and cultural development of the country and its regions. Over the past decades, the government has been implementing a broad reform agenda to provide strategic funding, diversify higher education institutions (HEIs) and promote an allocation of students that improves the quality of services and empowers them vis à vis the future of work and society.

This review illustrates policy actions promoting the development of entrepreneurial and innovative activities in the Higher Education System and individual HEIs. In addition, based on information gathered during study visits, the review discusses strategies and practices adopted by Austrian HEIs to innovate, engage, and generate value for their own ecosystems and networks. The review is part of a series of national reports implementing the HEinnovate framework. HEinnovate is a holistic framework that the OECD and the European Commission have developed to promote the “entrepreneurial and innovation agenda” in higher education.



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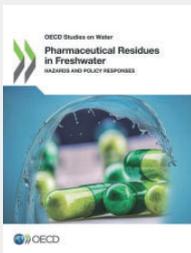


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## Environment

### Waste Management and the Circular Economy in Selected OECD Countries Evidence from Environmental Performance Reviews

This report provides a cross-country review of waste, materials management and circular economy policies in selected OECD countries, drawing on OECD's Environmental Performance Reviews during the period 2010-17. It presents the main achievements in the countries reviewed, along with common trends and policy challenges, and provides insights into the effectiveness and efficiency of waste, materials management and circular economy policy frameworks. As the selected reviews were published over a seven-year period, information for some countries may be more recent than for others. Nevertheless, the policy recommendations emerging from the reviews may provide useful lessons for other OECD countries and partner economies.

### Pharmaceutical Residues in Freshwater Hazards and Policy Responses

This report calls for a better understanding of the effects of pharmaceutical residues in the environment, greater international collaboration and accountability distribution, and policy actions to prevent and remedy emerging concerns. Laboratory and field tests show traces of oral contraceptives causing the feminisation of fish and amphibians, and residues of psychiatric drugs altering fish behaviour. Antimicrobial resistance, linked to the overuse of antibiotics, has rapidly escalated into a global health crisis.

Unless adequate measures are taken to manage the risks, pharmaceutical residues will increasingly be released into the environment as ageing populations, advances in healthcare, and intensification of meat and fish production spur the demand for pharmaceuticals worldwide. The report outlines a collective, life-cycle approach to managing pharmaceuticals in the environment. A policy mix of source-directed, use-orientated and end-of-pipe measures, involving several policy sectors, can help to improve health and protect the environment.

### Promoting Clean Urban Public Transportation and Green Investment in Moldova

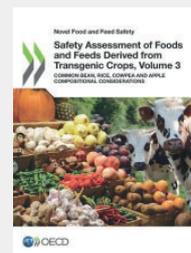
This report discusses the main results of a project on how an influx of funds could spur development of cleaner public transport, and reduce air pollution and greenhouse gas (GHG) emissions in large urban centres in Moldova, by providing an analysis for designing a green public investment programme in this sector. This sector represents an opportunity for Moldova to address key objectives in its environmental and climate-related policies as part of the country's ambitions to transition to a green economic path of development. The investment programme is also designed to support the modernisation of the urban transport fleet in the country and stimulate the domestic market to shift to modern buses powered by clean fuels. The programme is foreseen to be implemented in two phases: the first covers the cities of Chisinau and Balti and the second extends to areas outside of the initial pilot city centres (pilot city suburbs as well as inter-city transport). These investments are expected to result in significant environmental, public service and socio-economic benefits.

## Environment

### Safety Assessment of Foods and Feeds Derived from Transgenic Crops, Volume 3

#### Common bean, Rice, Cowpea and Apple Compositional Considerations

This volume compiles the consensus documents developed by the OECD Working Group for the Safety of Novel Foods and Feeds from 2015 to 2019. It deals with the composition of common bean, rice, cowpea and apple, four important crops for agriculture and food consumption worldwide. The science-based information collated here is intended for use during the regulatory assessment of food/feed products derived from modern biotechnology, i.e. issued from transgenic plants. Compositional considerations are provided for each species, including tables detailing the key nutrients, anti-nutrients, possible toxicants, allergens and other metabolites contained in the products. This essential information and solid data can be used in the comparative approach as part of the novel food/feed safety assessment. It should be of value to crop breeders and applicants for commercial uses of novel foods and feeds, to regulators and risk assessors in national authorities, as well as the wider scientific community. More information can be found at BioTrack Online.



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## Development

### Greening Development Co-operation

How can members of the DAC effectively tackle critical environmental challenges and threats – such as climate change, pollution, and loss of soil fertility and biodiversity – in activities supporting the 2030 Agenda in developing countries? Most already have environmental safeguards in place to screen out negative environmental practice, but they need far more robust policies, capacities and approaches for mainstreaming environment across all their development co-operation activities. This report examines five critical areas for mainstreaming: strong policy commitment and leadership; robust systems, processes and tools; capacity and continuous skill development; shared knowledge, learning and engagement; well-supported country systems. On that basis, the report suggests priority actions for the OECD-DAC, its Network on Environment and Development (ENVIRONET) and the wider development community.



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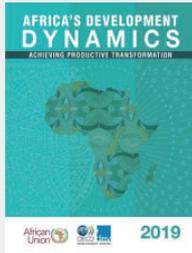
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## Development

### Africa's Development Dynamics 2019 Achieving Productive Transformation

What are the major economic and social trends in Africa? What is Africa's role in globalisation? This annual report presents an Africa open to the world and towards the future. Africa's Development Dynamics uses the lessons learned in the five African regions – Central, East, North, Southern and West Africa – to develop recommendations and share good practices. The report identifies innovative policies and offers practical policy recommendations, adapted to the specificities of African economies. Drawing on the most recent available statistics, this analysis of development dynamics aims to help African leaders reach the targets of the African Union's Agenda 2063 at all levels: continental, regional, national, and local. Every year this report will focus on one strategic theme.

This 2019 edition explores policies for productive transformation. It proposes three main policy focus for transforming firms: providing business services to clusters of firms; developing regional production networks; and improving exporting firms' ability to thrive in fast-changing markets.

This volume feeds into a policy debate between African Union's nations, citizens, entrepreneurs and researchers. It aims to be part of a new co-operation between countries and regions focused on mutual learning and the preservation of common goods. This report is the result of a partnership between the African Union Commission and the OECD Development Centre.

## Urban, Rural and Regional Development

### Enhancing Innovation Capacity in City Government

Cities are reinventing themselves to adapt and respond to their evolving contexts. One instrument that local government is leveraging is innovation. To understand how cities approach public sector innovation, the OECD and Bloomberg Philanthropies carried out a survey on innovation capacity across 89 cities in OECD countries and non-OECD economies. The focus of the survey was to unpack the capacity to innovate in the local public sector and explore the resources – human, financial, and institutional – and how they can work to boost innovation in a city.

This report explores the approaches and goals, staffing and structure, data, financial resources, and evaluation efforts that local administrations are making to innovate. It also reviews the outcomes that are resulting from these measures, especially related to resident well-being.

## Urban, Rural and Regional Development

### Water Governance in Argentina

Ensuring long-term water security is essential in the pathway towards sustainable development in Argentina. Floods cause 60% of all critical events in the country and are responsible for 95% of economic losses. Severe droughts, in a country where the agricultural sector accounts for 6.4% of GDP as compared to a global average of 3.6%, have a strong impact in the economy. The country is also home to some of the most polluted basins worldwide. Furthermore, climate change will likely shift further water availability, uses and demand. The report is the result of a policy dialogue with more than 200 stakeholders at different levels in Argentina. It assesses water governance in Argentina, identifies several key challenges to effective, efficient and inclusive water policies, and provides a set of policy recommendations to enhance water governance as a means to address relevant societal challenges, both within the scope of water management and beyond. In particular, ways forward for Argentina include strengthening the co-ordination between national and provincial water policies, setting up a multilevel water planning and investment framework, improving basin management practices, and enhancing economic regulation for water services.

## Energy

### World Energy Outlook 2019

The World Energy Outlook series is a leading source of strategic insight on the future of energy and energy-related emissions, providing detailed scenarios that map out the consequences of different energy policy and investment choices.

This year's edition updates the outlooks for all fuels, technologies and regions, based on the latest market data, policy initiatives and cost trends.

In addition, the 2019 report tackles some key questions in depth:

What do the shale revolution, the rise of liquefied natural gas, the falling costs of renewables and the spread of digital technologies mean for tomorrow's energy supply?

How can the world get on a pathway to meet global climate targets and other sustainable energy goals?

What are the energy choices that will shape Africa's future, and how might the rise of the African consumer affect global trends?

How large a role could offshore wind play in the transformation of the energy sector?

Could the world's gas grids one day deliver low-carbon energy?



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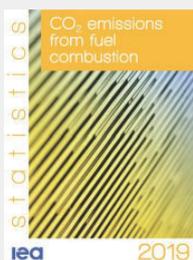
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## Energy

### CO2 Emissions from Fuel Combustion 2019

CO2 Emissions from Fuel Combustion provides a full analysis of emissions stemming from energy use. The data in this book cover the emissions of CO2 for over 160 countries and regions by sector and by fuel. The publication contains estimates of CO2 emissions, selected indicators such as CO2/GDP, CO2/capita and CO2/TPES and a decomposition of CO2 emissions into driving factors for all countries and regions.

Emissions are calculated using IEA energy databases and the default methods and emission factors from the 2006 IPCC Guidelines for national Greenhouse Gas Inventories. The IEA CO2 emissions estimates are complemented by the EDGAR greenhouse gas data.

### Renewables 2019

Solar photovoltaics (PV) is driving the growth of renewable power capacity around the world. At the same time, it is raising the prospect of a significant shift in the role of electricity consumers. This is the result of distributed solar PV: the use of solar power systems by households, businesses and industry to generate their own electricity.

Distributed solar PV capacity is set to more than double in the next five years, accounting for almost half of all solar PV growth, according to a new in-depth focus in Renewables 2019, the annual IEA market analysis and forecast on renewable energy. The report assesses the current state of play of distributed solar PV and maps out its huge growth potential in the coming years. It also considers the implications for policy makers, utilities and consumers.

More broadly, this report analyses the role of renewable energy across the entire energy system – including the electricity, heat, and transport sectors – and provides forecasts for the period from 2019 to 2024.

### Energy Prices and Taxes for OECD Countries 2019

Energy Prices and Taxes for OECD Countries contains a major international compilation of energy prices of OECD countries: including crude oil and oil product spot prices, import costs by crude stream, industry prices and consumer prices.

The end-user prices cover the main petroleum products, gas, coal and electricity.

Every issue includes full notes on sources and methods and a description of price mechanisms in each country. Time series availability varies with each data series.

OECD Tokyo Centre

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