



GOVERNMENT
OF THE PRINCIPALITY OF LIECHTENSTEIN



Economic and financial data on Liechtenstein

Data as of end of June 2024

Economic and financial data on Liechtenstein. Data as of end of June 2024. Vaduz: Government of the Principality of Liechtenstein.

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Introduction¹

This information brochure contains an overview of relevant data and facts on the Liechtenstein economy and public finances. The brochure allows interested parties to gain an overview of the current status and economic development of the country. Most of the data allow international comparison and are derived mainly from publications of the Liechtenstein Office of Statistics (OSL), the Financial Market Authority (FMA) Liechtenstein, the Swiss Federal Statistical Office (FSO), Eurostat, United Nations (UN), and in part also from estimates by the Liechtenstein Institute.

More than 300 years of the Principality of Liechtenstein

In 2019, the Principality of Liechtenstein celebrated the 300th anniversary of its existence within unchanged national borders. After several changes of rulers between the 12th and 17th centuries, Prince Johann Adam, head of the Princely House of Liechtenstein, acquired the sovereign rights over the Domain of Schellenberg (1699) and the County of Vaduz (1712). On 23 January 1719, the two domains were elevated to the status of Imperial Principality of Liechtenstein by Emperor Charles VI. Sovereignty was gained by admission to the Confederation of the Rhine in 1806.

The end of the First World War and the concomitant upheavals of traditional systems of rule paved the way in Liechtenstein for a new Constitution, which was adopted in 1921 and is still in force today. At the same time, Liechtenstein separated from Austria and turned to Switzerland, with which a Customs Treaty was concluded in 1923. Moreover, it was during this time when the Swiss Franc was introduced as Liechtenstein's currency. Economically, these steps had a positive effect, although the actual upswing in Liechtenstein began only after the Second World War. In addition to the Customs Treaty, cooperation with Switzerland today also includes numerous other treaties such as the Currency Treaty and agreements in areas such as education, intellectual property, agriculture, road transport, and indirect taxes and duties.

Political stability

The 1921 Constitution is considered a mixed constitution, combining the monarchic and the democratic principles. Article 2 of the Liechtenstein Constitution is emblematic in this regard, defining the Principality as “a constitutional, hereditary monarchy on a democratic and parliamentary basis”, in which the power of the State is “embodied in the Reigning Prince and the People”.

The Reigning Prince is the Head of State of the Principality of Liechtenstein. As Head of State, he represents the country to the outside world. The entry into force of any law requires the sanction of the Reigning Prince. Further powers of the Reigning Prince are the appointment of the Government (on the proposal of the Liechtenstein Parliament) and substantial participation in the appointment of judges. The Liechtenstein Parliament is elected every four years by proportional representation. This unicameral parliament consists of 25 Members of Parliament. The powers of Parliament correspond to those of most parliaments in western democracies. Parliament adopts laws, international agreements and treaties, takes important financial decisions including the budget, is responsible for oversight of the Government and the National Administration, and approves the annual reports of State institutions. The Liechtenstein Government is composed of five Ministers. It acts as a collegial body and is responsible to both the Reigning Prince and Parliament.

Liechtenstein's political stability is based on a balanced distribution of powers, which puts a high degree of pressure on politics to compromise. Direct democracy plays a key role in Liechtenstein. Direct-democratic rights are comparable to those in Switzerland, such as the optional referendum and the popular initiative, with regard to both constitutional amendments and legislation. Another element of the culture of consensus in Liechtenstein

¹ Parts of the introductory text draw on Marxer and Pállinger (2009), with the kind permission of the authors.

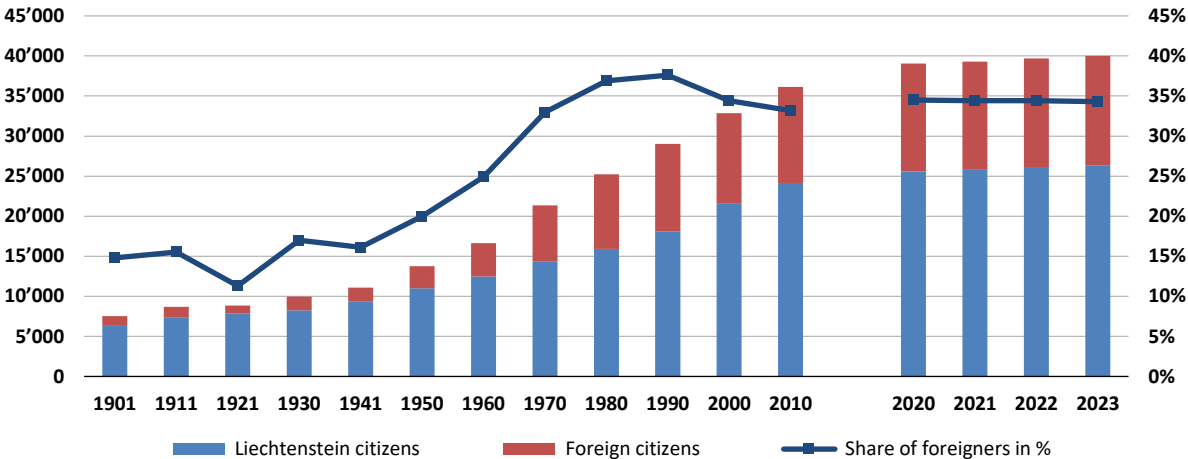
politics is the generally extensive consultation process, in which municipalities, associations, and interest organisations can express their opinions on a legislative proposal.

International relations

Liechtenstein pursues an active foreign policy, which is reflected above all in the close relations with its neighbouring countries Switzerland and Austria and its membership in numerous international organisations. Milestones in the recognition of Liechtenstein as an independent member of the international community were its accession to the Council of Europe in 1978, its accession to the UN in 1990, its admission to the European Free Trade Association (EFTA) in 1991, and its accession to the WTO in 1995. Liechtenstein has been a member of the European Economic Area (EEA) since 1995 and an associate member of Schengen-Dublin since 2011.

Unhindered access to the European internal market via the EEA Agreement constitutes a locational advantage and an essential factor for the sustainable security and stability of the Liechtenstein economy. EEA membership has opened up new business opportunities, leading to further diversification of the Liechtenstein economy. At the same time, the Customs and Currency Treaties guarantee market access to Switzerland. Politically, Liechtenstein’s EEA membership has helped to secure its sovereignty and at the same time position itself as a reliable partner in Europe. The overall outcome of Liechtenstein’s EEA membership is therefore very positive, which is underlined by very high levels of approval for EEA membership among businesses, the population, and policy-makers.

Population of Liechtenstein



Data source: OSL.

In 2023 (31 Dec), the permanent population in the 11 municipalities of Liechtenstein increased by 346 persons, or 0.9%, reaching 40'023 persons. Liechtenstein thus has a population density of about 250 inhabitants per km². The share of foreigners was 34.3% by the end of 2023. The majority of foreigners residing in Liechtenstein come from Switzerland (28.0% of foreigners), followed by Austria (17.2%) and Germany (13.6%). Other countries with a large number of Liechtenstein residents are Italy (8.8%), Portugal (4.9%), and Turkey (3.7%). 65.9% of Liechtenstein’s population in 2022 were between 15 and 64 years of age, compared to 14.5% age 0 to 14 and 19.6% age 65 or more. Liechtenstein’s age structure is thus similar to the EU average reported by Eurostat (age 15–64: 63.8%; age 0–14: 14.9%; age 65 or more: 21.3%). However, the increase of 4.1 percentage points in the proportion of people aged 65 and over in Liechtenstein since 2014 is well above the EU average (+2.6 percentage points) and is only exceeded in four EU/EFTA countries: Poland (+5.0 percentage points), Slovakia (+4.4 percentage points), Croatia (+4.3 percentage points) and Portugal (+4.1 percentage points).

Location of Liechtenstein

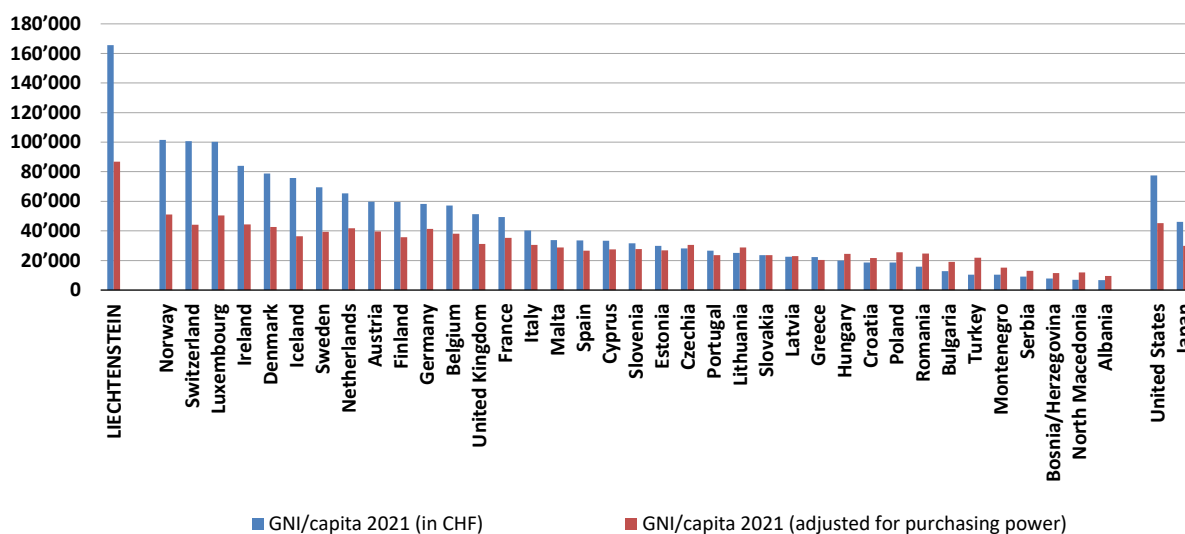
Liechtenstein’s territory covers an area of 160 km², making it the fourth smallest state in Europe. The settlement area amounts to 11.3%, while 42.2% of the national territory is considered forest area, 32.2% agricultural area, and 14.3% unproductive area. In the west and south, the national border runs 41 km along the Swiss cantons of St. Gallen and Graubünden. In the north and east, Liechtenstein shares a 37 km border with the Austrian state of Vorarlberg.



Source: OSL (Liechtenstein in Figures).

Liechtenstein national economy

Gross national income per capita



Gross national income (GNI, formerly referred to as gross national product) is a measure of the income of persons resident in the country (resident principle), generated by work or assets at home and abroad. GDP can be used as a starting point to calculate GNI by adding labour and capital income transferred from abroad and subtracting labour and capital income transferred abroad.

Data source: calculation of GNI per capita (Liechtenstein Institute) based on OSL, UN National Accounts Main Aggregates Database. Calculation of GNI adjusted for purchasing power (Liechtenstein Institute) based on Eurostat price level indices.

By a considerable margin, Liechtenstein's inhabitants have the highest level of prosperity among EU/EFTA states in terms of gross national income per capita (income from work and assets of private households, companies, and the public sector) at about CHF 166'000 in 2021. This is also true when the high price level in Liechtenstein is taken into account by adjusting for purchasing power.

Population, employment, GDP/capita, productivity

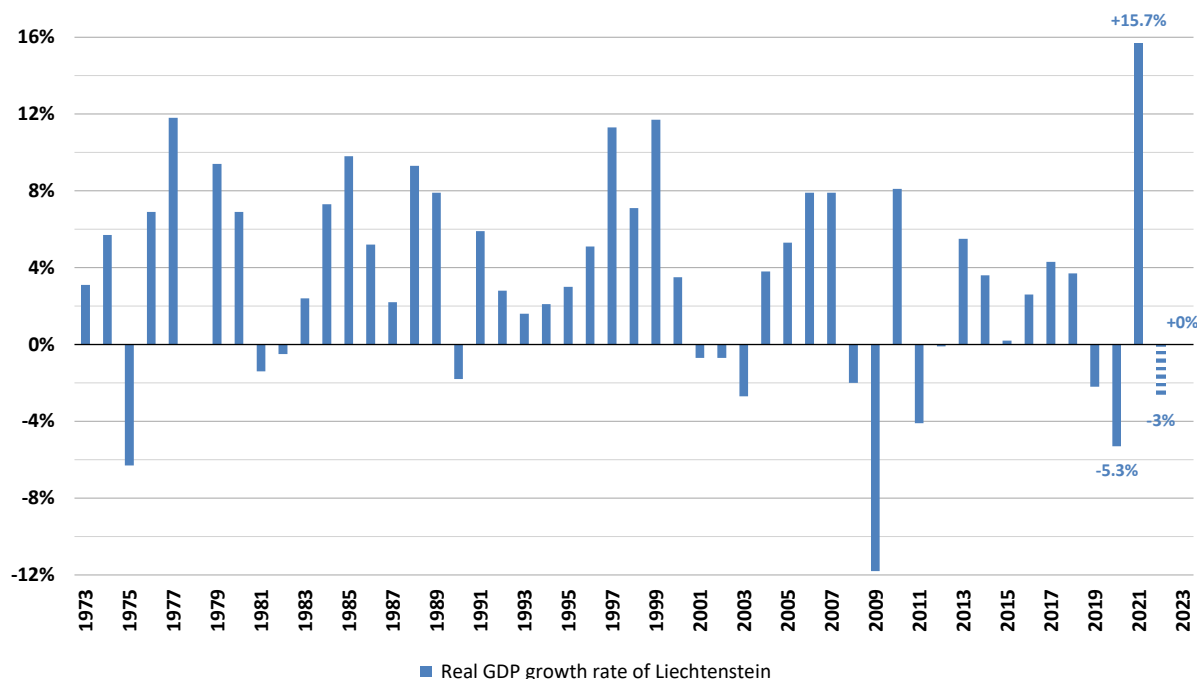
2022	Liechtenstein	Switzerland	Austria	Germany	Luxembourg
Gross domestic product, CHF billion	7.0	781	449	3'895	78
Population (as of 1 July)	39'444	8'740'472	8'939'617	83'369'843	647'599
Employees (annual average)	41'933	5'181'213	4'442'587	45'596'000	472'993
Full-time equivalents (annual average)	35'587	4'319'090			
GDP/capita (population), CHF	178'202	89'407	50'268	46'725	120'295
Productivity (GDP/employees), CHF	167'625	150'826	101'151	85'435	164'702
Productivity (GDP/FTE), CHF	197'519	180'932			

GDP is a measure of the income of persons resident in Liechtenstein and abroad, generated by work or assets in Liechtenstein (domestic principle), i.e. for domestic production whose value added is generated and accrued by persons resident in Liechtenstein and/or abroad.

Data source: OSL, FSO, Statistik Austria, Destatis, STATEC, Eurostat, UN.

According to UN GDP data, Liechtenstein has the fifth smallest economy in Europe, while there are 54 smaller economies worldwide. Compared with Switzerland, Austria, Germany, and Luxembourg, Liechtenstein had the highest productivity (gross domestic product in relation to employees) in 2022. Liechtenstein's productivity has not developed very dynamically since the turn of the millennium: Since then, GDP growth has been driven mainly by job creation and less by productivity gains.

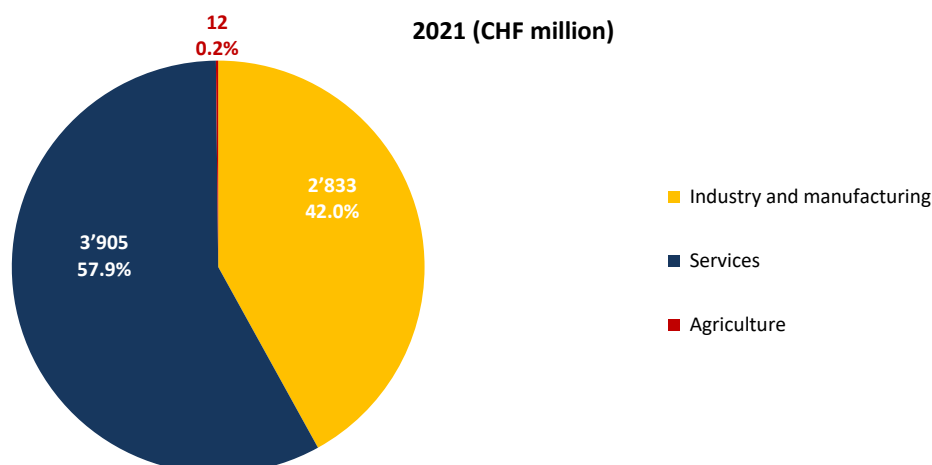
Real GDP growth rate since 1973



Data sources for GDP: Approximate structural break adjustments (Liechtenstein Institute) based on OSL, GDP estimate 2023 (Liechtenstein Institute), price adjustment of GDP (Liechtenstein Institute) based on SECO (GDP deflator for Switzerland, sport event adjusted).
 Data source for GNI: Approximate structural break adjustment from ESA 1995 to ESA 2010 (Liechtenstein Institute) based on OSL, price adjustment of GNI (Liechtenstein Institute) based on Swiss CPI (FSO).

Compared to the real GDP in 1972, Liechtenstein's economic output has nearly quintupled by 2023. In Austria, Germany and Switzerland, GDP is now between two and three times as high as it was in 1972. The average price-adjusted GDP growth rate in Liechtenstein since 1972 has been at a high 3.3%. Between 2012 and 2018, the Liechtenstein economy recovered from the financial crisis, the subsequent low international demand, the reforms in the financial sector, and the various appreciation shocks of the Swiss franc. In terms of level, in 2016, the price-adjusted GDP for the first time exceeded that of 2007. In 2020, Liechtenstein's economy was also hit by the COVID-19 pandemic and real GDP fell by about -5%, but the decrease was not as severe as in the financial crisis of 2008/09. Similar to the global economy, Liechtenstein recovered strongly from the COVID-19 shock and pronounced catch-up effects were noticeable in 2021, especially in the case of investment goods exports. The latest estimate by the Liechtenstein Institute suggests a real GDP growth rate of 0% for 2023. From the turn of the millennium on, the gross domestic product (domestic value added) and the gross national income (income of residents) have diverged in Liechtenstein. The trend in price-adjusted GNI nearly stagnated, but high increases in 2016 and 2017 (+19% and +12%) made sure that the 2007 level was exceeded again, so that in 2017, GNI exceeded GDP for the first time since 2000. In 2018, real GNI per capita reached its highest level since national accounts began in 1998. Normally, GNI in Liechtenstein tends to be lower than GDP, since the high proportion of commuters in the total employment means that a large part of the domestically generated labour income flows abroad and thus exceeds the usually achieved surplus of cross-border net capital income. However, with the strong average increases in GNI in recent years, the gap between GDP and GNI has closed again.

Gross value added by economic sector



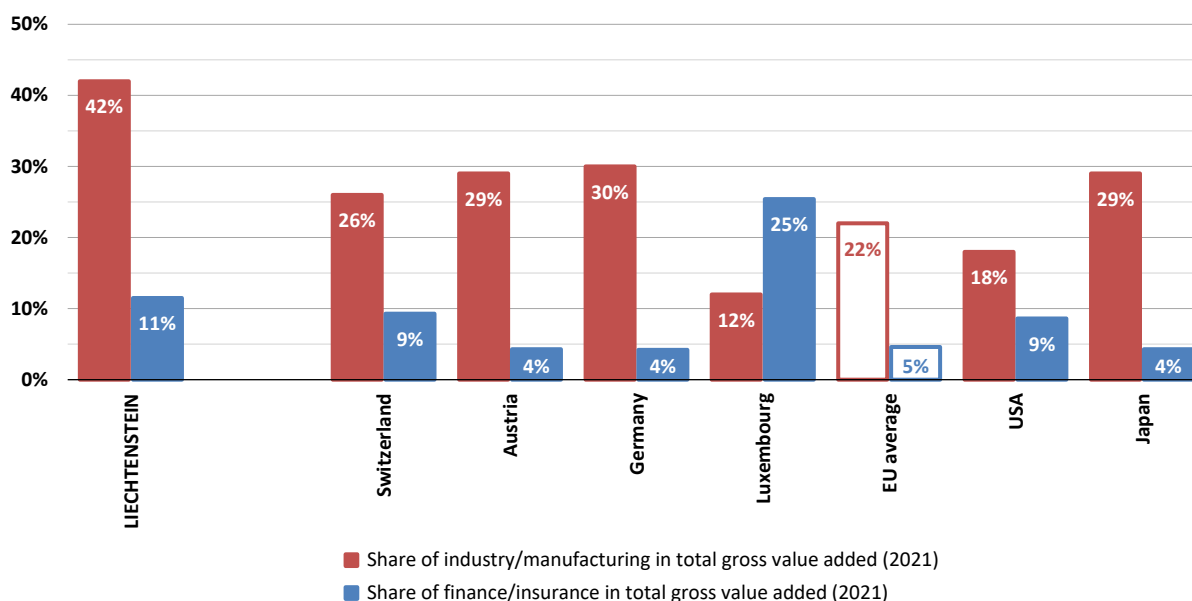
Data source: OSL.

With CHF 3.9 billion in gross value added, the services sector had the highest share of Liechtenstein GDP in 2021, followed by industry and manufacturing (CHF 2.8 billion) and agriculture (CHF 0.01 billion). The sectoral share of industry and manufacturing of 42% in 2021 was above the long-term average of slightly more than 40%. Financial and insurance activities are an important branch within the services sector and accounted for 11.5% of total economy's value added in 2021. This is the second-highest share of all EU/EFTA countries (behind Luxembourg). Productivity, i.e. gross value added in relation to employment in full-time equivalents, amounted to CHF 191'971 for services and CHF 218'987 for industry and manufacturing in 2021. The following table compares gross value added shares by economic activity with Switzerland. It shows that Liechtenstein's economy is very diversified given its small size (this especially holds for the export goods diversification, see Brunhart and Geiger 2019).

Gross value added shares (2021) by economic activity (NOGA)	Liechtenstein	Switzerland
Agriculture, forestry, fishing (NOGA 01–03)	0.2%	0.6%
Mining and quarrying (05–09)	0.2%	0.1%
Manufacturing (10–33)	36.8%	19.7%
Electricity/water supply, sewerage, waste management and remediation activities (35–39)	1.3%	1.5%
Construction (41–43)	3.7%	5.0%
Wholesale and retail trade; repair of motor vehicles (45–47)	7.1%	15.2%
Transportation/storage (49–53)	1.5%	3.2%
Accommodation and food service activities (55–56)	0.5%	1.1%
Information/communication (58–63)	2.6%	4.6%
Financial and insurance activities (64–66)	11.5%	9.3%
Real estate activities (68)	5.7%	7.0%
Self-employed/scientific/technical support activities (69–75)	16.1%	7.9%
Other economic support activities (77–82)	2.1%	3.1%
Public administration, defence, compulsory social security (84)	5.9%	10.5%
Education (85)	0.5%	0.6%
Human health and social work activities (86–88)	2.6%	8.1%
Arts, entertainment, recreation (90–93)	1.0%	0.8%
Other service activities (94–96)	0.4%	1.4%
Activities of households as employers (97)	0.3%	0.3%

Data source: OSL.

Gross value added share of industry and finance/insurance



Data source: OSL, Eurostat, UN, OECD.

The value-added share of Liechtenstein's industry (including manufacturing) in 2021 was extraordinarily high at 42% by international standards. For instance, it is significantly higher than in Switzerland, Austria, Germany, Luxembourg, the EU average, the United States, and Japan. In fact, in 2021, the industrial share (production of goods, construction) in the overall economic value added in Liechtenstein was the highest among all European countries and the third-highest worldwide. At 11% in 2021, the share of financial and insurance services in Liechtenstein was also well above average compared to other countries.

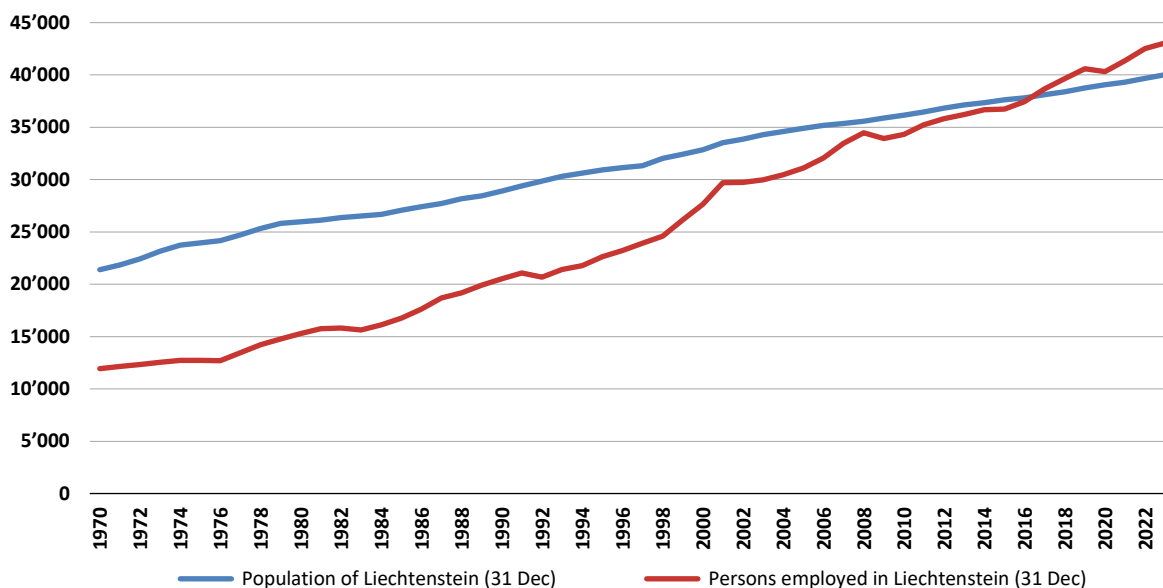
Enterprise and workplace structure

Enterprises and work-places by company size (2022)	1 to 9 workplaces		10 to 49 workplaces		50 to 249 workplaces		250+ workplaces	
	Enter-prises	Work-places	Enter-prises	Work-places	Enter-prises	Work-places	Enter-prises	Work-places
Agriculture	93	204	3	41	0	0	0	0
Industry/manufacturing	489	1'340	120	2'554	23	2'312	10	8'951
Services	4'200	8'625	401	7'685	77	7'107	10	5'775
Total	4'782	10'169	524	10'280	100	9'419	20	14'726

Data source: OSL.

By the end of 2022, the 20 largest companies in Liechtenstein had 14'726 people employed (approx. 33% of the total workforce). However, Liechtenstein's national economy is also heavily shaped by small and medium-sized enterprises: About 88% of the 5'426 enterprises in Liechtenstein had fewer than ten employees (98% have fewer than 50). The number of companies in Liechtenstein is therefore very large compared to the population: There is one company for approximately every seven inhabitants. The figure is about 14 in Switzerland and about 25 in Germany. The number of enterprises in Liechtenstein has nearly doubled in the last two decades.

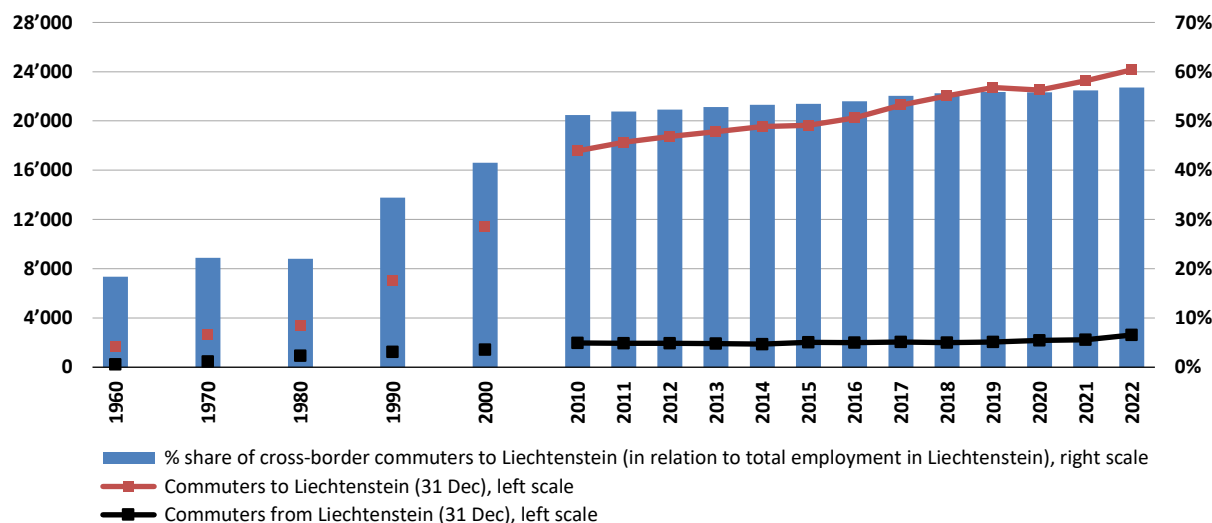
Population and employment since 1970



Data source: OSL, estimation of employment between 1971–1979 and approximate removal of structural breaks (Liechtenstein Institute).

Since 1970, the population of Liechtenstein almost doubled to 40'023 in 2023. Over the same period, the number of persons employed in Liechtenstein more than tripled (to 43'060). There are now slightly more employees than inhabitants in Liechtenstein, whereas in 1970 there were only around half as many employees as inhabitants. In 2017, for the first time, there were more employees than inhabitants. Their ratio was 107.4% in 2023. In comparison, this ratio was 59.5% in Switzerland, 49.1% in Austria, 54.4% in Germany, and 72.2% in Luxembourg. Employment has tended to increase even during the years of the financial crisis, euro debt crises as well as during the strong appreciation of the Swiss franc or during the COVID-19 pandemic, almost unaffected by the sharp GDP drops in certain years. This is less due to the labour force participation of domestic residents, but primarily due to the sharp increase in cross-border commuters to Liechtenstein: In 2022, the labour force participation rate was 76.8% in Liechtenstein (labour force aged 15 to 64 in relation to population of the same age), 83.5% in Switzerland, the EU-average was 74.5%.

Cross-border commuters to and from Liechtenstein since 1960

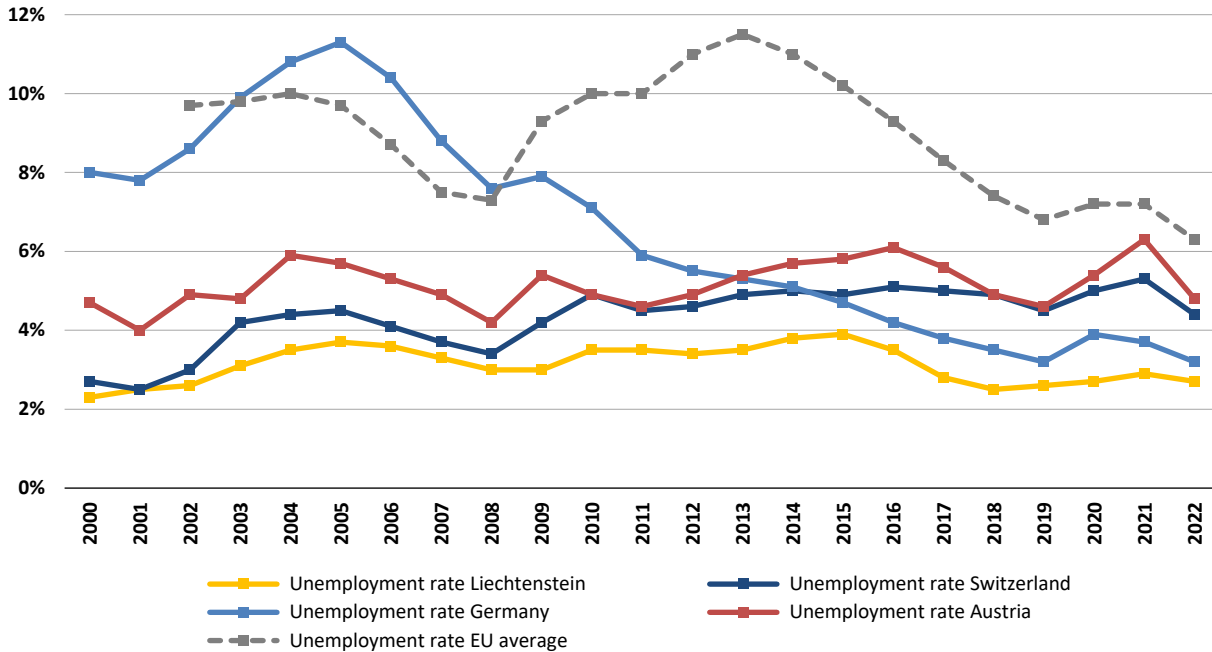


Data source: OSL, approximate structural break adjustment (Liechtenstein Institute).

While the number of cross-border commuters from Liechtenstein is rising only slowly, the number of cross-border commuters to Liechtenstein has rapidly grown from about 7'100 in 1990 and 11'500 in 2000 to 24'153 in

2022 (2021: 23'249). The share of commuters to Liechtenstein has also increased in relation to total employment in Liechtenstein, both in industry and in services. In 2022, 60% of cross-border commuters to Liechtenstein came from Switzerland and 36% from Austria. The share of EEA nationals living in Switzerland and commuting to Liechtenstein has increased disproportionately over the last two decades, mainly due to the introduction of the free movement of persons under bilateral agreements between Switzerland and the EU.

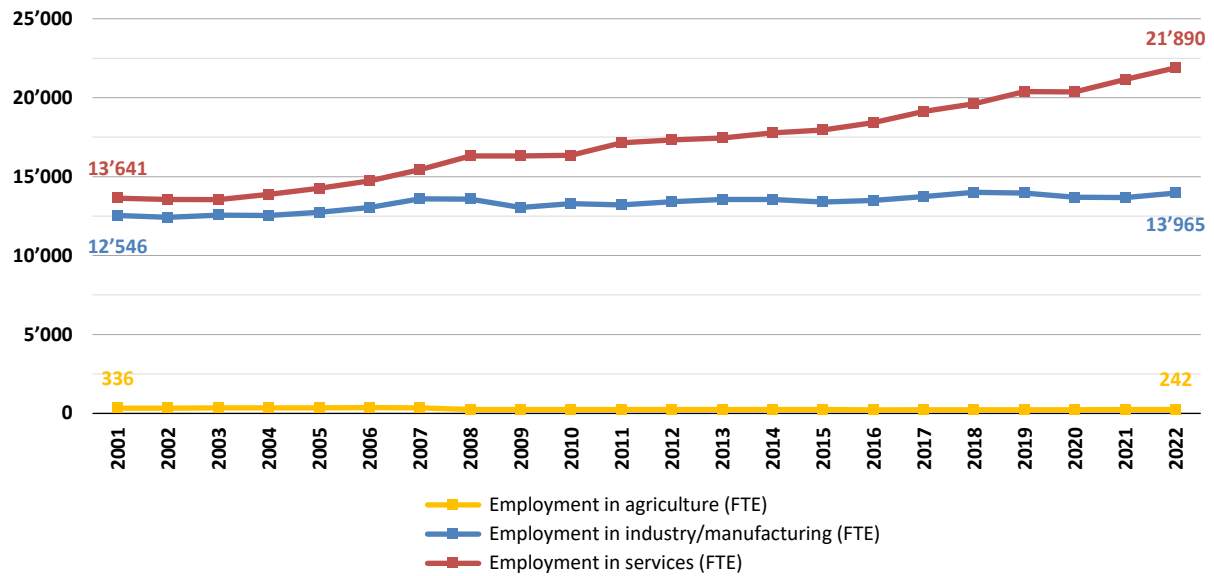
Unemployment rate since 2000 (annual average, ILO definition)



Data source: OSL, SECO, Eurostat, estimation of the unemployment rate for 15–64 and 15–24 year olds in Liechtenstein according to ILO definition (Liechtenstein Institute).

Unemployment in Liechtenstein has been low in recent decades, and has shown a downward trend over the last ten years. While the COVID-19 pandemic and its economic implications lead to rising unemployment rates in most countries, unemployment in Liechtenstein remained at a low level. In 2023, the unemployment rate according to Office of Statistics Liechtenstein was 1.4%. However, the officially published unemployment rate is not fully comparable internationally, because it is not compiled according to the guidelines of the International Labour Organization (ILO) and, for example, does not include unemployed persons who are not registered with the national employment office. However, the Liechtenstein Institute annually estimates Liechtenstein’s unemployment rate according to the ILO definition based on official figures. The estimated unemployment rate of 2.7% in 2022 is very low in international comparison. The youth unemployment rate according to the ILO definition in Liechtenstein is also very low and was 3.0% in 2022 (Switzerland 7.5%, Austria 9.5%, Germany 6.0%).

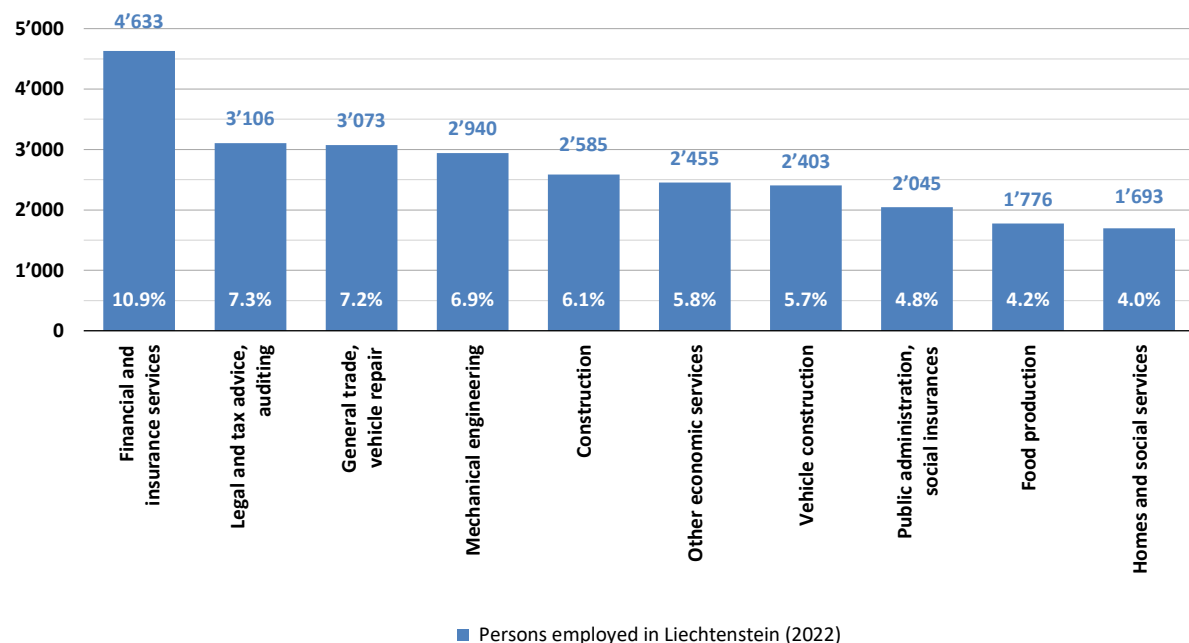
Employment (full-time equivalents) by economic sector since 2001



Data source: OSL, approximate adjustment for structural breaks (Liechtenstein Institute).

In contrast to most developed countries, no strong “tertiarization” has been observed in Liechtenstein so far: Although the share of employment in the industrial and manufacturing sector tends to decline, it was still very high at 38.7% by the end of 2022 compared to 60.6% in services and 0.7% in agriculture. In absolute terms, employment in the industrial sector rose from about 12'500 in 2001 to almost 14'000 by the end of 2022. However, the increase was not as steep as in the services sector.

Employment in the ten largest industries



Data source: OSL.

Employment (number of persons employed part-time and full-time) in Liechtenstein is surprisingly diversified for such a small state, across the economic sectors of industry and manufacturing, financial services, and general services. The ten industries with the highest employment are spread across all three of these economic sectors, accounting for 63% of total employment in Liechtenstein in 2022.

Persons employed by economic sector

Employed persons (2022)	Agriculture	Industry and manufacturing	Services (without finance and insurance)	Finance and insurance
Liechtenstein	0.6%	35.1%	53.5%	10.7%
Switzerland	2.3%	20.3%	72.9%	4.5%
Austria	3.5%	26.4%	67.0%	3.1%
Germany	1.2%	23.6%	75.2%	
Luxembourg	0.8%	19.1%	69.0%	11.2%

Data source: OSL, FSO, Statistics Austria, Destatis, STATEC, approximative estimates (Liechtenstein Institute).

As with gross value added, the relative importance of the industrial and manufacturing sector in Liechtenstein's employment becomes evident when compared internationally. The distribution within the services sector (general services versus financial services) is also remarkable in Liechtenstein, given that a large number of people work in the finance and insurance sub-sector: Specifically, in 2022, about 10.7% of the total number of persons employed in Liechtenstein worked in this sub-sector, while the figure was "only" 4.5% in Switzerland. Luxembourg is also a special case in this respect, with an even higher share working in financial and insurance services (11.2%).

Employees of Liechtenstein companies at home and abroad

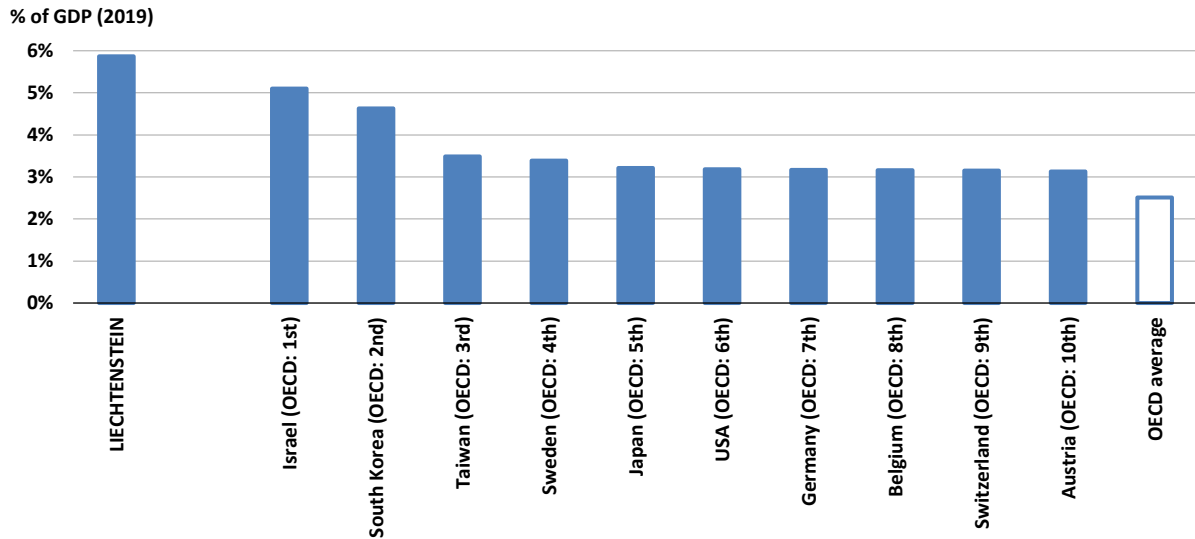
Employment 2023	Liechtenstein	Abroad
LCCI industrial companies (number of employees)	10'603	57'293
Liechtenstein banks (number of employees)	approx. 2'700	approx. 6'200

LCCI employment: foreign branches, majority-owned or under management control of LCCI industrial companies.

Data source: LCCI, OSL, FMA, approximation of employment for banks (Liechtenstein Institute).

Liechtenstein companies create jobs not only in Liechtenstein, but increasingly also abroad. In 2000, Liechtenstein's large industrial companies employed a total of 24'134 people abroad. Compared to the domestic employment of 7'971 at that time, this corresponded to a foreign share of 75%, which rose to 84% by 2023. The number of employees working abroad for LCCI industrial companies has increased strongly, to 57'293 in 2023 (2022: 52'927). In 2023, the Liechtenstein banks had approximately 6'200 employees working abroad, 2'700 in Liechtenstein (2022: 5'400 in abroad, 2'600 in Liechtenstein).

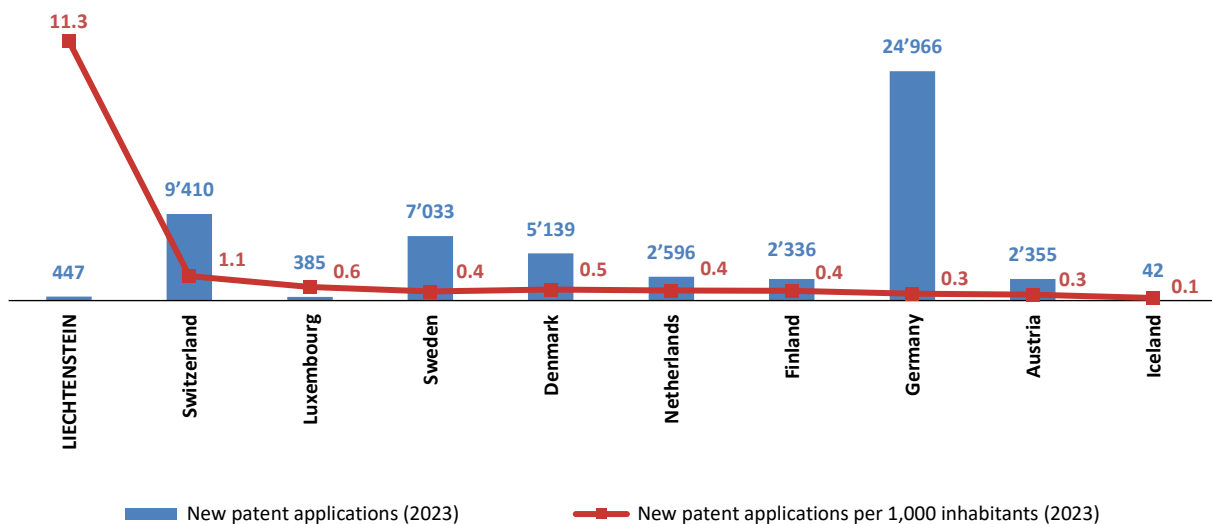
Private research and development spending



Research and development spending in relation to GDP 2019.
Data source: OSL, OECD, FSO.

In 2019, research and development spending in Liechtenstein amounted 5.9% of GDP or CHF 375.4 million. Liechtenstein was therefore ahead of the three OECD countries with the highest share of research and development spending in relation to GDP (2019) – Israel (5.1%), South Korea (4.6%), and Taiwan (3.5%) – and also ahead of Germany (3.2%), Switzerland (3.2%), and Austria (3.1%), as well as above the OECD average of 2.5%. In Liechtenstein, research and development spending is almost entirely carried by the private sector (especially industry and manufacturing). Public spending on research and development amounted to CHF 8.9 million which was only around 2.4% of the total research and development expenditure in 2019 (in Switzerland around 30%, EU average of 29%).

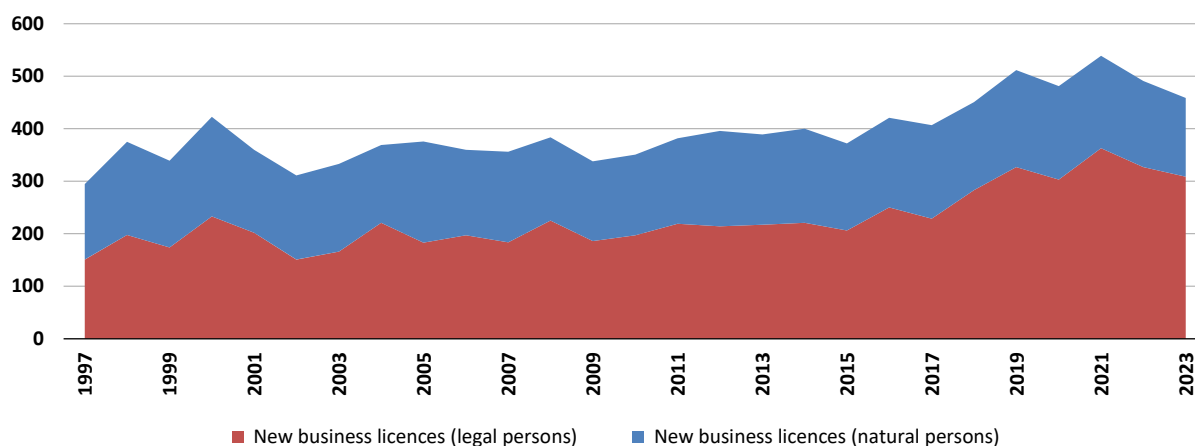
Patent applications in relation to the population



In cases where several applicants are listed, the country of the first-mentioned applicant is considered.
Data sources: OSL, European Patent Office, UN.

Liechtenstein's economy is extraordinarily innovative. The 447 new patent applications in 2023 (2022: 456) correspond to 11.3 patent applications per 1'000 inhabitants, which is very high in comparison with other countries.

Business licences since 1997



Newly issued licences in Liechtenstein between 1997 and 2000, new formations starting in 2001.
Data source: OSL.

On average, approximately 395 new companies have been established in Liechtenstein every year since 1997. The trend has been rising for several years, especially among legal persons.

Prices, interest rates, and exchange rates since 2000

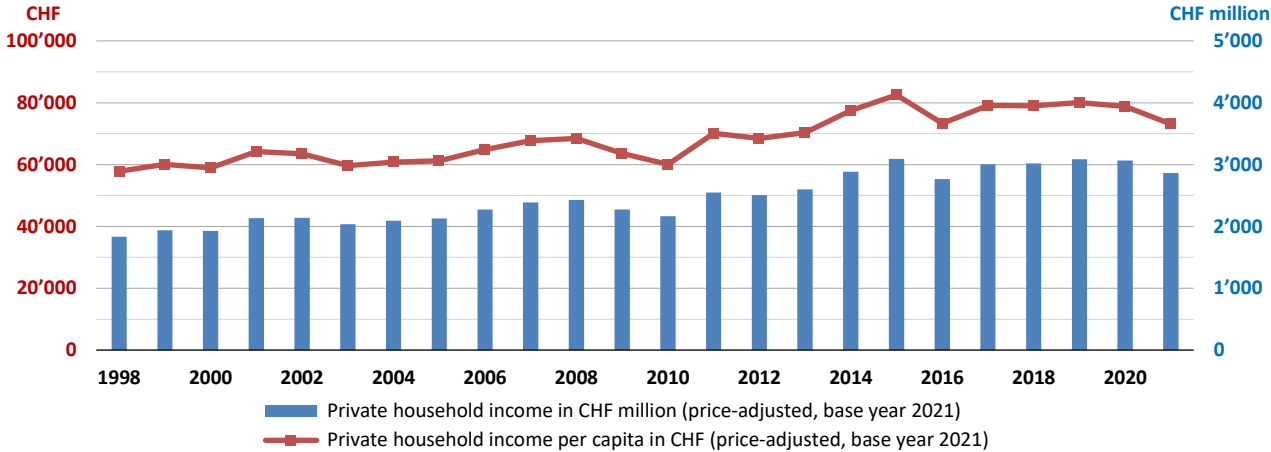
	Inflation rate	Interest rates		Exchange rates		
	Consumer prices (CPI)	Short-term	Long-term	CHF/€	CHF/£	CHF/\$
2000	1.6%	0.5%	3.6%	1.56	2.56	1.69
2001	1.0%	0.4%	3.1%	1.51	2.43	1.69
2002	0.7%	0.3%	2.9%	1.47	2.33	1.56
2003	0.6%	0.1%	2.0%	1.52	2.20	1.35
2004	0.8%	0.1%	2.2%	1.54	2.27	1.24
2005	1.2%	0.1%	1.8%	1.55	2.26	1.25
2006	1.1%	0.1%	2.4%	1.57	2.31	1.25
2007	0.7%	0.2%	2.3%	1.64	2.40	1.20
2008	2.4%	0.4%	2.4%	1.59	2.00	1.08
2009	-0.5%	0.1%	1.7%	1.51	1.70	1.09
2010	0.7%	0.1%	1.8%	1.38	1.61	1.04
2011	0.2%	0.1%	1.6%	1.23	1.42	0.89
2012	-0.7%	0.0%	1.5%	1.21	1.49	0.94
2013	-0.2%	0.0%	1.3%	1.23	1.45	0.93
2014	0.0%	0.0%	1.1%	1.21	1.51	0.92
2015	-1.1%	0.0%	0.4%	1.07	1.47	0.96
2016	-0.4%	0.0%	0.3%	1.09	1.33	0.99
2017	0.5%	0.0%	0.3%	1.11	1.27	0.98
2018	0.9%	0.0%	0.4%	1.15	1.31	0.98
2019	0.4%	0.0%	0.4%	1.11	1.27	0.99
2020	-0.7%	0.0%	0.3%	1.07	1.20	0.94
2021	0.6%	0.0%	0.2%	1.08	1.26	0.91
2022	2.8%	0.0%	0.5%	1.00	1.18	0.95
2023	2.1%	0.0%	1.5%	0.97	1.12	0.90

Data source: FSO, OSL, SNB. Short-term interest rates: Sight deposits (2000–2016), current account (from 2017). Long-term interest rates: medium-term notes 7–8 years (2000–2016), medium-term notes 8–10 years (from 2017).

Pursuant to the Currency Treaty with Switzerland, the Swiss franc is the legal tender in Liechtenstein. The interest rate level is influenced by the common currency area with Switzerland. This also applies to the inflation rate, where common customs duties and jointly levied indirect taxes (e.g. VAT) result in additional alignment of the

two countries. Historically by international standards, Liechtenstein has a very low inflation rate and a low interest rate level, both of which have fallen even further during the past two decades. The Swiss franc has appreciated significantly against the major currencies since the turn of the millennium, especially in the wake of the financial crisis 2008/09, discontinuation of the SNB's minimum exchange rate target for the franc against the euro at the beginning of 2015 and during the pandemic 2020.

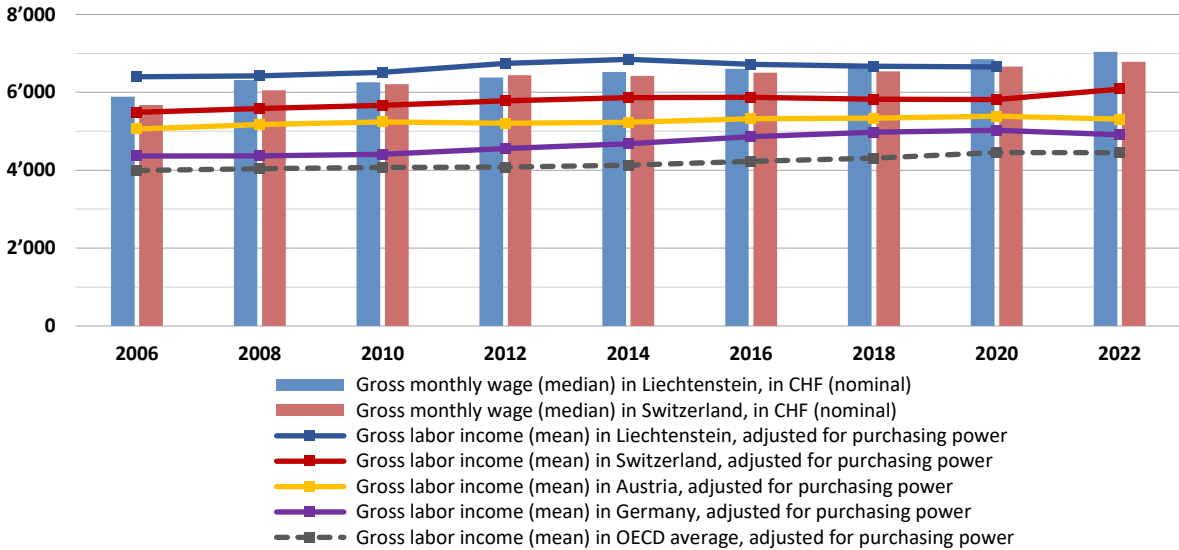
Private household income since 1998



Private household income consists of compensation of employees, income of unincorporated enterprises and property income of households (national income accounts of Liechtenstein National Accounts).
 Data source: OSL. Price adjustment (Liechtenstein Institute) based on FSO (Swiss CPI).

The income of private households (income from employment/self-employment and asset income) can be calculated from the national income accounts of the Liechtenstein National Accounts. Apart from business cycle fluctuations, real household incomes have followed a fairly steady growth path, also in per capita terms. In 2021, private household income was approximately CHF 73'100 per capita in Liechtenstein.

Gross monthly wage and gross labour income since 2006

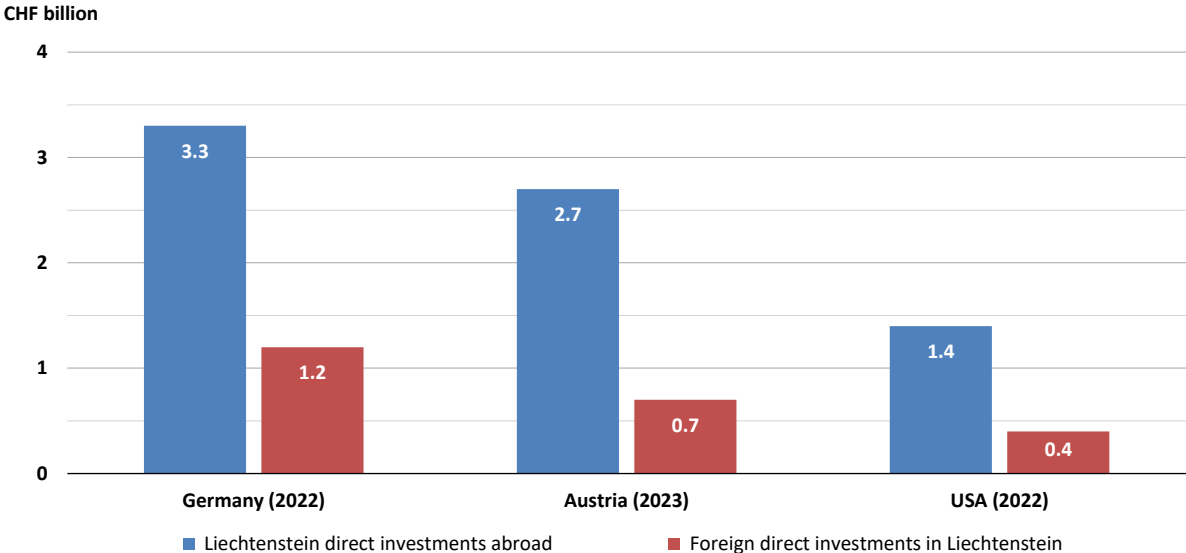


Data source: OSL, FSO, OECD. Approximative purchasing power adjustment for Liechtenstein (Liechtenstein Institute).

In 2022, the effective gross monthly wage (part-time adjusted, incl. 13th monthly salary) of persons employed in Liechtenstein was CHF 7'042 at the median (Switzerland: CHF 6'788). After 2008, wages in Liechtenstein stagnated. Switzerland was then able to catch up with Liechtenstein in this respect. Since 2010, the monthly median

wage has constantly increased, in Liechtenstein slightly more than in Switzerland. In 2022, monthly median wage amounted to CHF 7'150 for commuters while it was CHF 6'877 for people residing and working in Liechtenstein. In a comparison of purchasing power adjusted monthly labour income per month (based on national accounts data), Liechtenstein is also ahead of Switzerland and well ahead of the other surrounding countries and the OECD average. In 2021, the median taxed net assets of Liechtenstein residents amounted to CHF 61'055 per capita (mean CHF 498'463 per taxable person) and CHF 142'909 per household (mean CHF 923'064 per household).

Direct investments



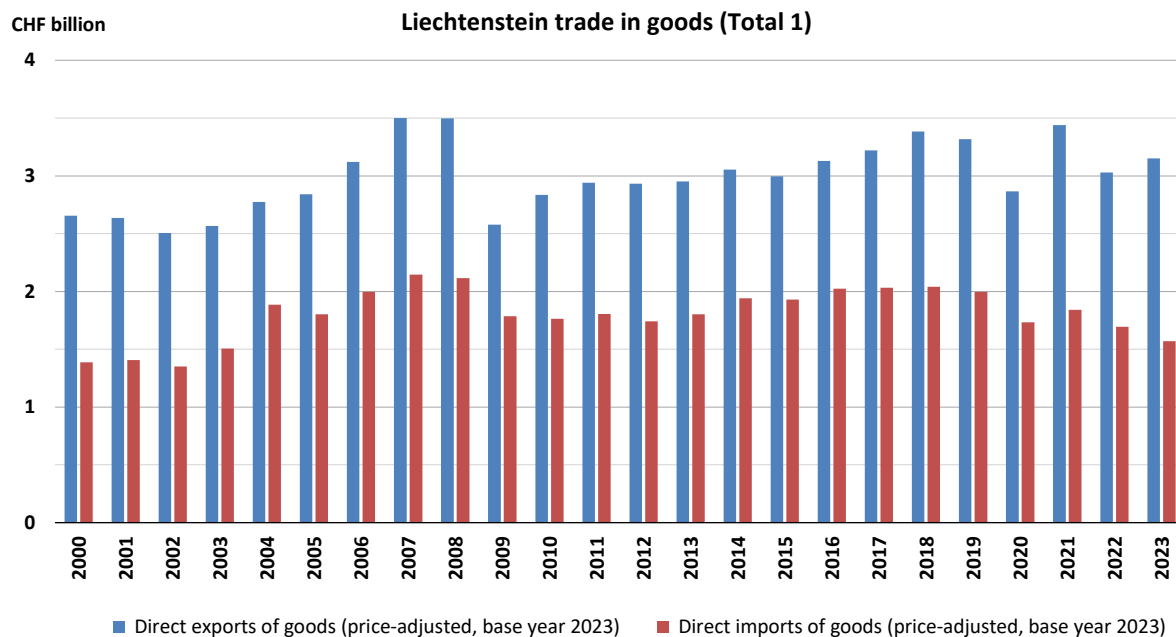
The most important types of foreign assets (also referred to as foreign investments) are direct investments and portfolio investments. While portfolio investments are monetary or financial investments abroad, direct investments represent long-term investments by companies, individuals, or other economic actors abroad which result in holdings in foreign companies or subsidiaries and normally involve corresponding influence/cooperation.

Data source: Central Bank of Germany, Bureau of Economic Analysis, Austrian National Bank.

Liechtenstein has invested more capital abroad than foreign countries have invested in Liechtenstein, which is primarily due to decades of Liechtenstein's trade surpluses. However, detailed data are not available, given that Liechtenstein does not have its own balance of payments and the Swiss National Bank does not report Liechtenstein separately. Some foreign central banks do publish the economic exchange with Liechtenstein. For instance, for Austria, Germany, the United Kingdom, and the United States some important data on foreign assets (households, companies, public sector) and especially direct investments is available. Accordingly, Liechtenstein's direct investments in Germany amounted to CHF 3.3 billion in 2022, in Austria to CHF 2.7 billion in 2023, and in the United States to CHF 1.4 billion in 2022. Conversely, the direct investments of those countries in Liechtenstein are significantly lower. The Bank of England provides figures on total foreign assets (direct investments, portfolio investments, and other asset investments) with respect to Liechtenstein: In 2022, Liechtenstein's inhabitants and companies had CHF 5.5 billion in foreign assets in the United Kingdom, while the United Kingdom only had CHF 0.5 billion in Liechtenstein. In other countries, Liechtenstein's pattern is most likely similar to that in the four countries mentioned above.

Industry and manufacturing

Development of exports and imports of goods since 2000



Direct exports and imports of goods (Total 1) excluding exports/imports of services and exports/imports between Liechtenstein and Switzerland. While in the case of FOCBS exports and imports, "Total 2" includes the total of all product groups, "Total 1" takes an economic perspective and thus excludes trade in gold bars, other precious metals, coins, precious and semi-precious stones, as well as works of art and antiques.

Data source: OSL, price and structural brake adjustment (Liechtenstein Institute).

Liechtenstein's direct goods exports (excluding trade in goods with Switzerland, Total 1) rose slightly in 2023, but were still below the real level of 2021. The growth rates compared to the previous year were -13.6% (2020), $+20.1\%$ (2021), -12.0% (2022), and $+4.1\%$ (2023). With real exports worth CHF 3.15 billion in 2023, the 2007 real value from before the financial crisis has still not been reached (CHF 3.50 billion). Nevertheless, Liechtenstein has a significant goods trade surplus in exports/imports. In 2023, the surplus was 78.5% (Total 2), compared to 70.4% in 2022. Switzerland's trade surplus in goods amounted to 14.8% in 2023. Goods imports (Total 1) diminished by -7.4% in 2023, after already declining in 2022 (-8.0%).

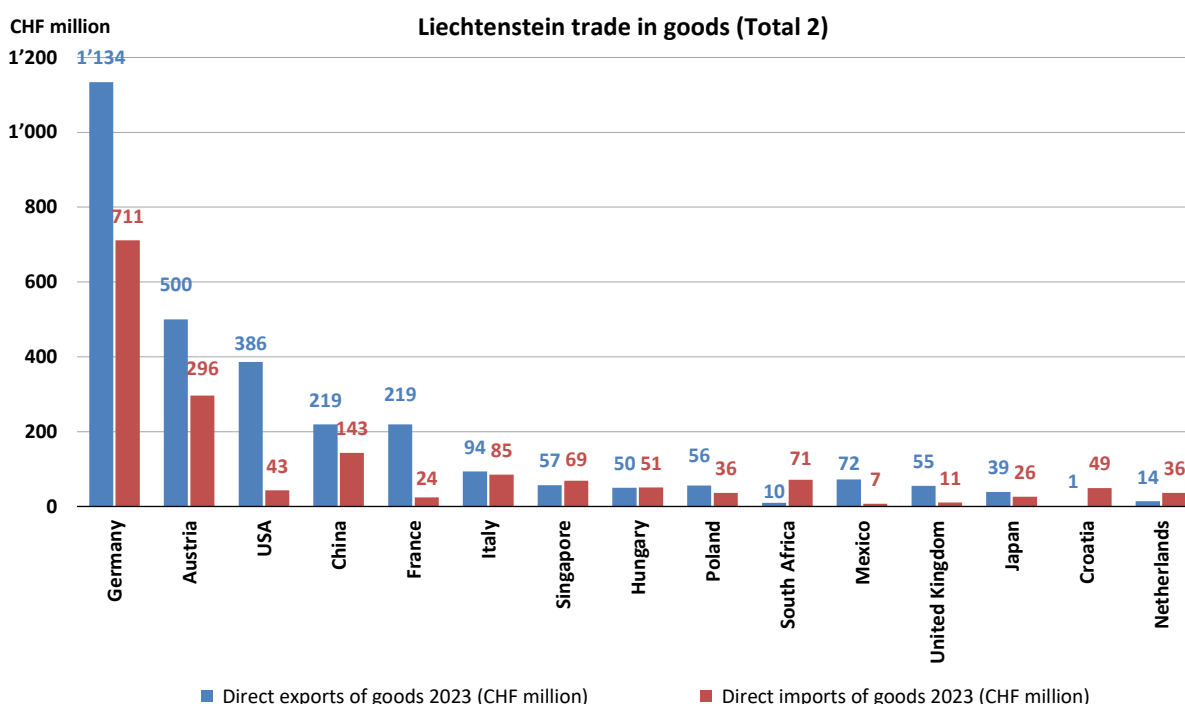
Export and foreign trade ratio

Trade in goods 2023	Liechtenstein	Switzerland	Austria	Germany	Luxembourg	Iceland
Imports of goods (€ billion)	2.0	335.1	208.1	1'365.7	25.2	8.5
Exports of goods (€ billion)	3.5	388.5	207.1	1'589.2	15.9	6.1
GDP (€ billion)	7.3	818.2	478.2	4'122.2	79.3	28.7
Export ratio	48%	47%	43%	39%	20%	21%
Foreign trade ratio	75%	88%	87%	72%	52%	51%

Export ratio: exports of goods/GDP. Foreign trade ratio: (goods exports+imports)/GDP. The Federal Office for Customs and Border provides figures for Liechtenstein's direct trade in goods, but these do not include exports/imports to or from Switzerland. Looking at the foreign trade revenues of LCCI member companies (in 2023, CHF 1.0 billion of CHF 8.0 billion in total foreign trade revenue was attributable to Switzerland), the actual Liechtenstein export ratio is probably around 55%, while the foreign trade ratio is more likely in the region of above 85%. For Liechtenstein, there is also no data on exports and imports of services (as there is no Liechtenstein balance of payments), which is why they have been excluded here for all countries in the comparison. Data source: Computations based on FOCBS, Eurostat, SNB, GDP Estimate 2023 (Liechtenstein Institute).

Due to its small size, high level of economic development, and competitive industry, Liechtenstein has a very high export ratio. Total direct exports of goods from Liechtenstein (without exports to Switzerland, Total 2) increased to CHF 3.41 billion in 2023 (2022: CHF 3.26 billion); in relation to GDP, they amounted to 48% in 2023. Even without exports to Switzerland, which are not included in the statistics of the Federal Office for Customs and Border Security, the export ratio is higher than that of neighbouring countries. The foreign trade ratio is also rather high by international standards, and can be explained by the high foreign trade surplus driven by the exports.

Direct exports and imports of goods by trading partner



While in the case of FOCBS exports and imports, "Total 2" includes the total of all product groups, "Total 1" takes an economic perspective and thus excludes trade in gold bars, other precious metals, coins, precious and semi-precious stones, as well as works of art and antiques. Data source: OSL, LCCI.

Liechtenstein usually has a trade surplus with most of its major trading partners. In 2023, the most important global trading partner for Liechtenstein recorded by the Federal Office for Customs and Border Security (FOCBS) was by far Germany, followed by Austria, the United States, China and France. The FOCBS does not provide any figures for trade in goods between Switzerland and Liechtenstein. However, in terms of foreign sales of LCCI

member companies, Switzerland ranks third behind Germany and the US. Of the total LCCI foreign sales of CHF 8.0 billion, CHF 1.0 billion were attributable to Switzerland in 2023 (2022: 1.0 billion of CHF 7.9 billion).

Direct exports and imports of goods by product group

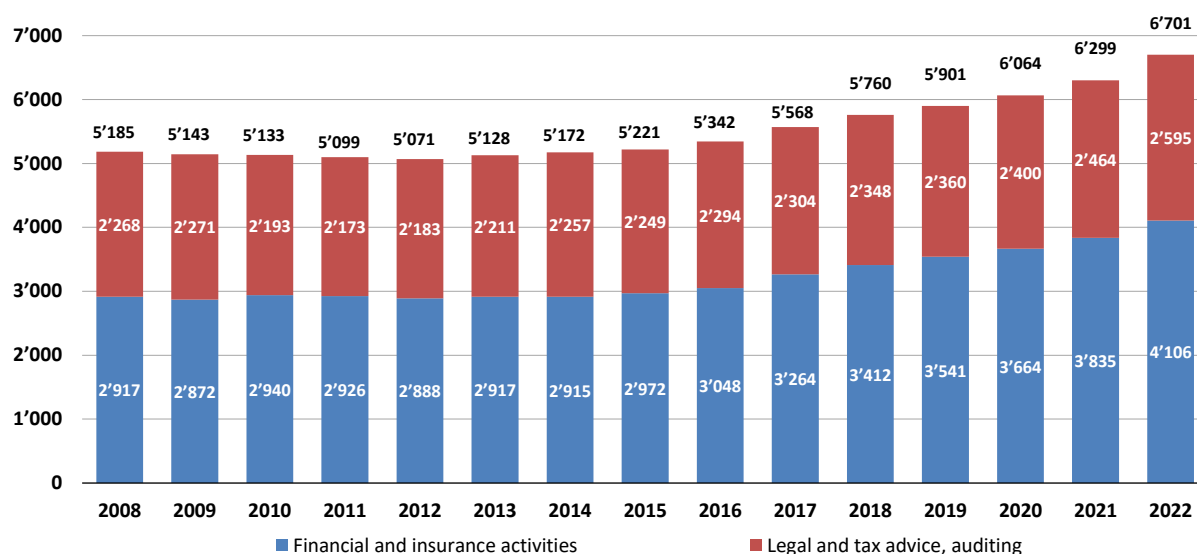
Exports/imports of goods by type (CPA)	Direct exports 2023		Direct imports 2023	
	CHF million	Share	CHF million	Share
Total type of goods	3'411	100.0%	1'911	100.0%
Agricultural/forestry products, fishing	4	0.1%	8	0.4%
Mining and quarrying	0	0.0%	6	0.3%
Manufactured products	3'225	94.5%	1'871	97.9%
Food products	316	9.3%	104	5.4%
Beverages	0	0.0%	7	0.4%
Textiles	10	0.3%	8	0.4%
Wearing apparel	1	0.0%	5	0.3%
Leather and related products	16	0.5%	6	0.3%
Wood (except furnitures); straw, plaiting materials	2	0.1%	20	1.0%
Paper and paper products	7	0.2%	36	1.9%
Coke and refined petroleum products	8	0.2%	2	0.1%
Chemicals and chemical products	205	6.0%	83	4.3%
Pharmaceutical products	0	0.0%	0	0.0%
Rubber and plastic products	45	1.3%	64	3.3%
Other non-metallic mineral products	165	4.8%	68	3.6%
Basic metals	58	1.7%	288	15.1%
Fabricated metal products	695	20.4%	292	15.3%
Computer, electronic and optical products	333	9.8%	127	6.6%
Electrical equipment	323	9.5%	111	5.8%
Machinery	381	11.2%	291	15.2%
Motor vehicles, trailers and semi-trailers	346	10.1%	110	5.8%
Other transport equipment	9	0.3%	21	1.1%
Furniture	1	0.0%	19	1.0%
Other manufactured goods	304	8.9%	208	10.9%
Water supply, waste management	25	0.7%	11	0.6%
Information and communication services	6	0.2%	6	0.3%
Arts, entertainment and recreation services	151	4.4%	9	0.5%

Data source: OSL.

The most important product groups for both Liechtenstein's exports and imports in 2023 were "Fabricated Metal Products" and "Machinery". Other important export groups were "Motor Vehicles, Trailers and Semi-Trailers", "Computer, Electronic and Optical Products", "Electrical Equipment", and "Food Products", with a share of total exports of approximately 10% or more.

Financial services

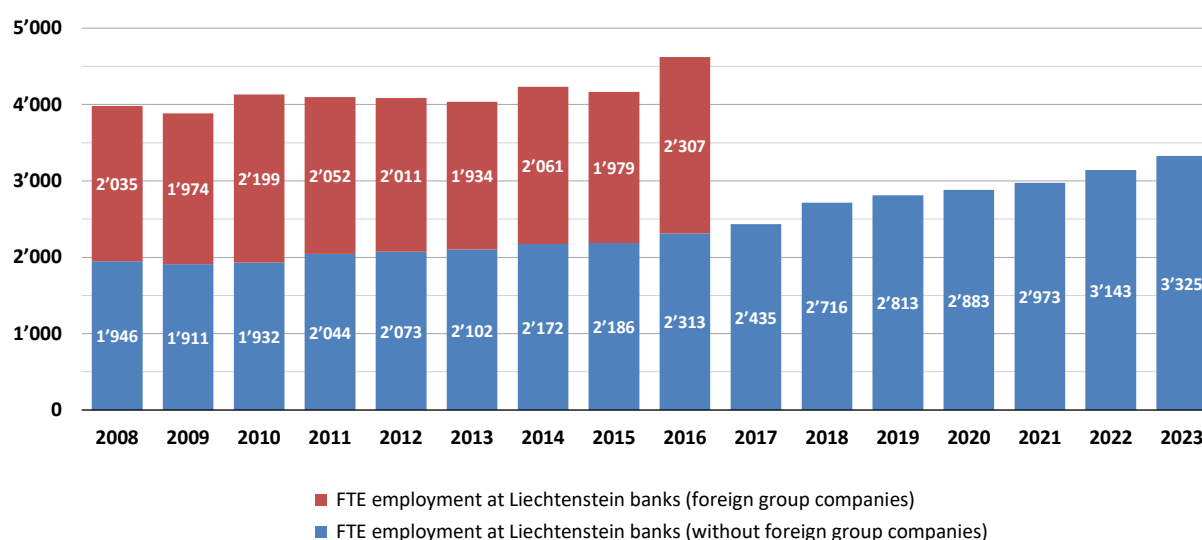
Employees (full-time equivalents) in the financial sector since 2008



Data source: OSL, approximate structural break adjustment (Liechtenstein Institute).

Full-time equivalent employment (31 Dec) in Liechtenstein's financial sector (financial/insurance activities, legal/tax advice, auditing) declined starting in 2009 and began to rise again in 2013. The share of financial services employees in total employment has remained roughly constant since 2008 (2022: 18.6%).

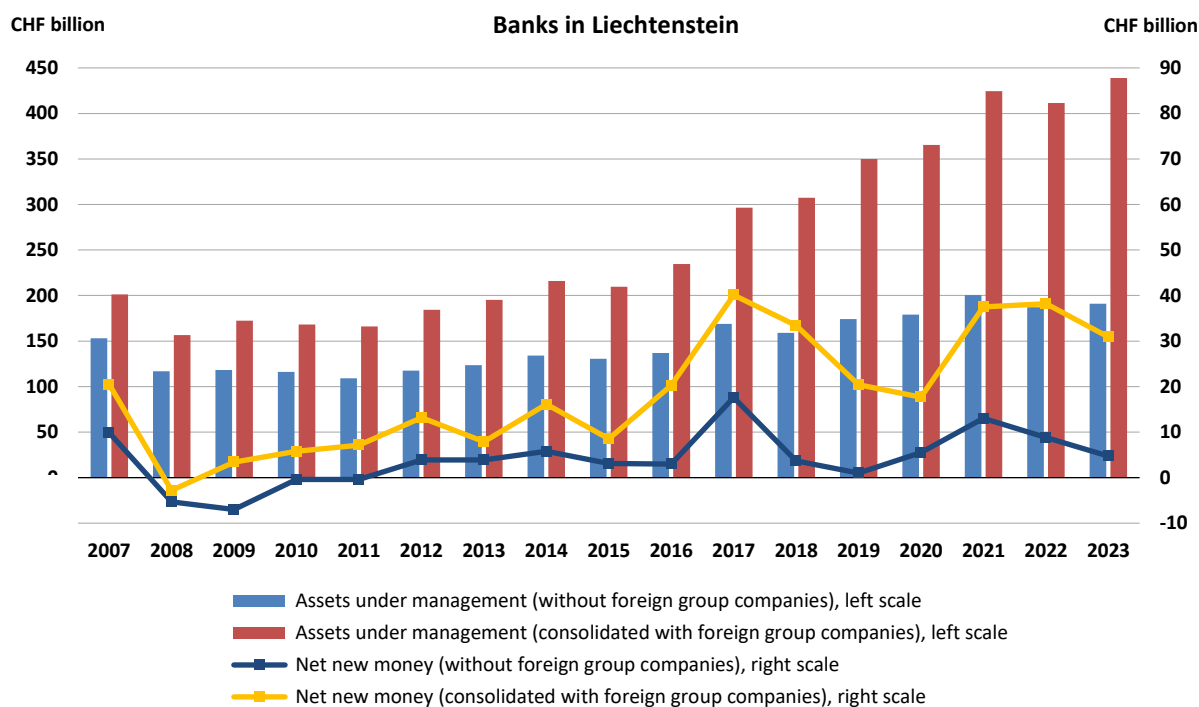
Employment (full-time equivalents) at banks since 2008



Data source: FMA. More recent data regarding foreign group companies is not available.

The banking institutions in Liechtenstein had 2'313 employees in 2016 (in full-time equivalents, branch offices included, foreign group companies not included). Including foreign group companies, the consolidated number of employees was about twice as many (4'620). Employment continued to rise to 3'325 full-time equivalents (branch offices included, foreign group companies not included) in 2023. The three large banks (LGT, LLB, VPB) had approximately 8'100 employees in 2023 (2022: 7'200) including foreign group companies.

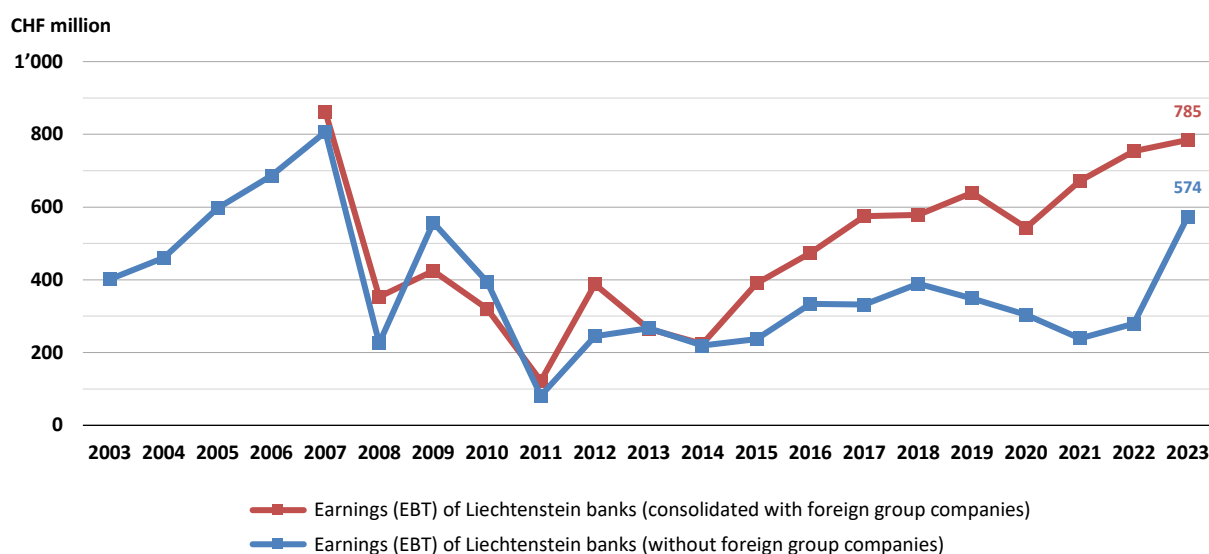
Assets under management and net new money since 2007



Data source: FMA.

The assets under management of Liechtenstein banks in Liechtenstein and abroad collapsed in the wake of the financial crisis and subsequent far-reaching reforms in the financial centre. Since then, they have recovered and risen quite steadily to over CHF 439 billion (including foreign group companies) in 2023. Assets under management without foreign group companies rose and since 2017 they have exceeded the level from before the financial crisis considerably (2023: CHF 191 billion). Net new money in 2023 was high with CHF 30.9 billion (2022: CHF 38.2 billion) including foreign group companies and CHF 4.7 billion (2022: CHF 8.8 billion) excluding them.

Earnings before taxes (EBT) since 2003

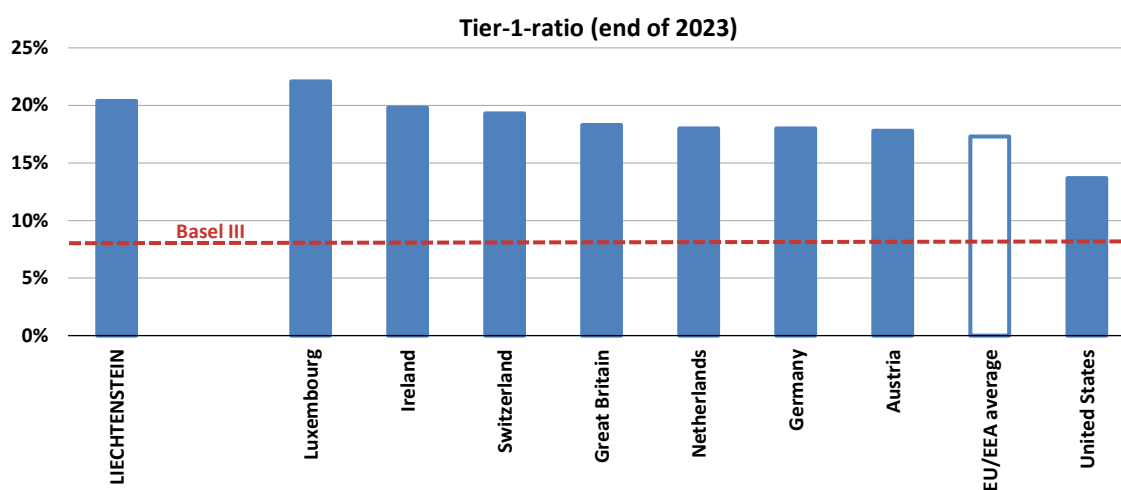


Data source: FMA, OSL.

The earnings of Liechtenstein banks in Liechtenstein and abroad tended to decline after 2007. Various factors played a role here: the financial crisis, the strong Swiss franc (depreciation of assets in foreign currency), low interest rates (lower margins in the interest-difference business), structural change in the Liechtenstein financial

centre, and the generally rising regulatory effort, which is a burden especially for smaller banks. Since 2011, earnings have been recovering. Still, in 2023 earnings have not reached the pre-financial crisis level of 2007.

Core capital of banking sector



The Tier 1 ratio is the core capital ratio (ratio of equity to risk-weighted total capital). BICRA stands for S&P's "Banking Industry Country Risk Assessment" (with 1 being the lowest risk and 10 the highest). The leverage ratio is the unweighted equity ratio (core capital in relation to business volume).

Data source: FMA, European Banking Authority, SNB, Bank of England, Federal Reserve.

Liechtenstein's banks are very strongly capitalised: At the end of 2023, they had an average Tier 1 ratio of a very high 20.4% (including foreign group companies). This is far above the requirements of Basel III (8%, including supplementary capital) and the EU/EEA average (approx. 17.3%). This is also true for the leverage ratio: At 7.6%, it was significantly above the requirements of Basel III (3%) by the end of 2023. All Liechtenstein banks have a core capital ratio of at least 16.6%, and the consolidated cost/income ratio of banks in the Liechtenstein financial centre was 70.7% in 2023 (a good value for private banking). The country rating of Standard & Poor's (AAA with a stable outlook) and the BICRA rating (risk group 2) highlight the reliability of the Liechtenstein financial sector.

Employment in various financial services

Employment 2022/2023	Persons (end of year)	Full time equivalents (end of year)
Banks (2023, employment in Liechtenstein)	2'869	2'621
Asset management companies (2023, employment in Liechtenstein and abroad)		480
Insurance companies (2023, employment in Liechtenstein and abroad)		1'102
Legal/tax advice, auditing (2022, employment in Liechtenstein)	3'106	2'595

Data source: OSL, FMA.

In addition to banks, other financial services play an important role: According to figures from the Financial Market Authority, the 91 asset management companies licensed in Liechtenstein managed client assets worth CHF 56.9 billion in 2023 (2022: CHF 54.2 billion). The 836 Liechtenstein investment funds contained net assets worth CHF 100.2 billion in 2023 (2022: CHF 69.1 billion in 847 funds). In 2023, 32 insurance companies with an aggregated balance sheet total of CHF 24.3 billion were active in Liechtenstein (2022: 33 insurance companies with a balance sheet total of CHF 26.6 billion). Within the financial services sector in Liechtenstein, legal and tax advice as well as auditing are important branches with 3'106 employees in 2022, while 2'869 persons worked in banks in 2023.

Public finances

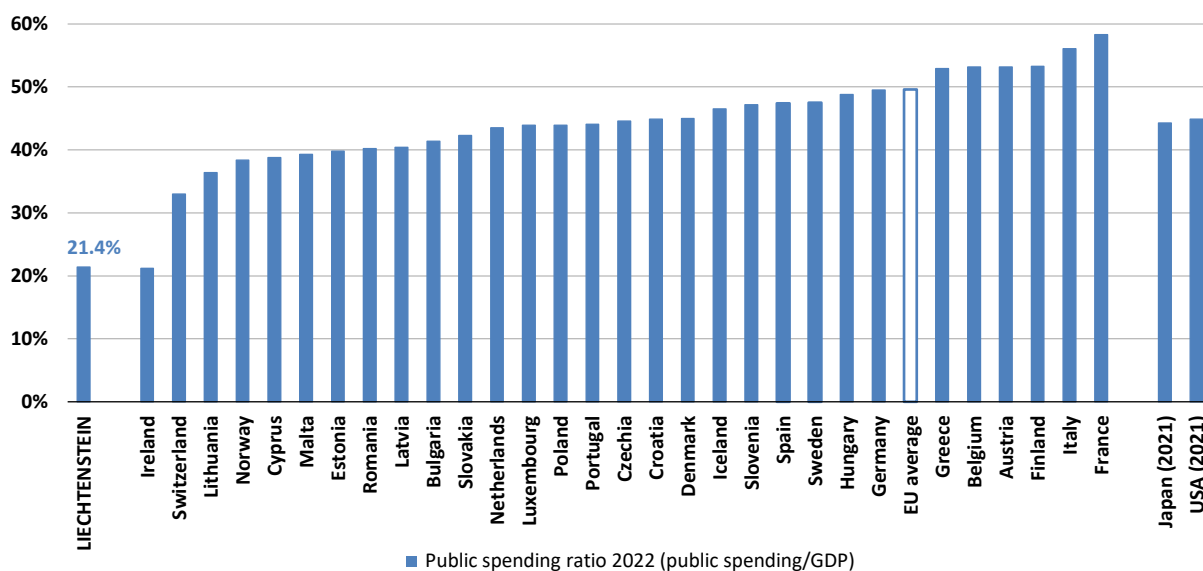
Liechtenstein and the other AAA-rated countries (S&P)

	S&P-rating 2023	Population 2022	Area (km ²)	GDP 2022 (USD billion)	GDP/capita 2022 (USD)	GNI/capita 2021 (USD)
LIECHTENSTEIN	AAA	39'444	160	7.4	186'605	181'087
Australia	AAA	26'177'413	7'741'200	1'777	67'867	65'061
Denmark	AAA	5'882'261	43'094	400	68'029	71'983
Germany	AAA	83'369'843	357'022	4'077	48'902	53'272
Canada	AAA	38'454'327	9'984'670	2'138	55'597	52'152
Luxembourg	AAA	647'599	2'586	82	125'897	91'707
Netherlands	AAA	17'564'014	41'543	1'008	57'392	59'773
Norway	AAA	5'434'319	323'802	579	106'623	92'837
Sweden	AAA	10'549'347	450'295	591	56'040	63'524
Switzerland	AAA	8'740'472	41'277	818	93'636	92'102
Singapore	AAA	5'975'689	719	467	78'115	59'654

Data source: OSL, Standard & Poor's, UN National Accounts Main Aggregates Database.

Liechtenstein is distinguished by great prosperity, high political/economic stability as well as by an excellent situation of its public finances. Inter alias for this reason, Liechtenstein is in Standard & Poor's highest rated group of countries (long-term rating: AAA) with a stable outlook. In 2023, only 11 of the 137 rated countries held the top rating of AAA.

Public spending ratio

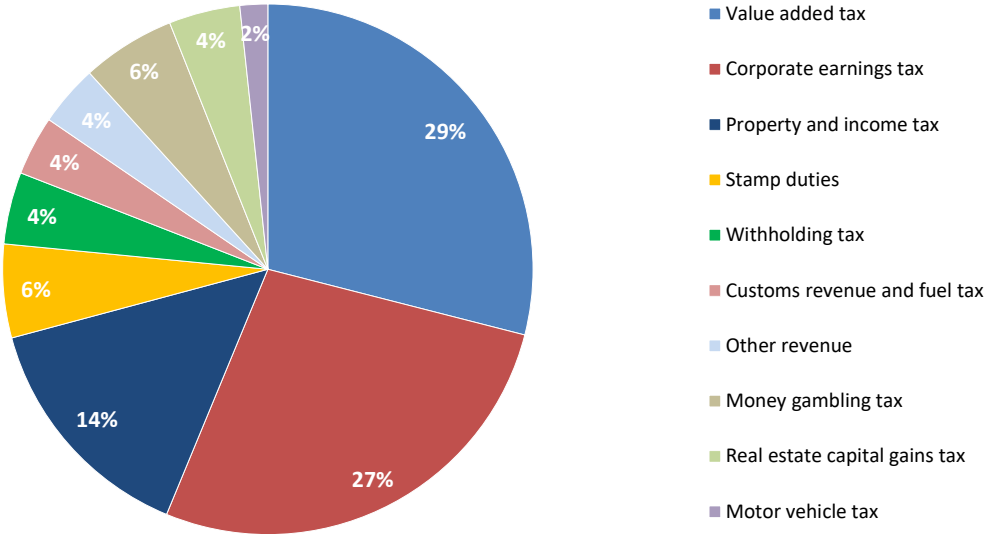


Data source: OSL, OECD.

At 21.4%, the public spending ratio, i.e. consolidated public spending (central government, local government, social security funds) in relation to GDP was very low in Liechtenstein in 2022, not only in a European context, but also in a global comparison.

Central government revenue by type of tax

Year 2023



The municipal portion of the corporate earnings tax is excluded from the revenue. The tax revenues refer to the financial year and not the tax year.
 Data source: Government Accountability Report.

Central government revenue from taxes and duties amounted to CHF 877 million in 2023 (2022: CHF 821 million).

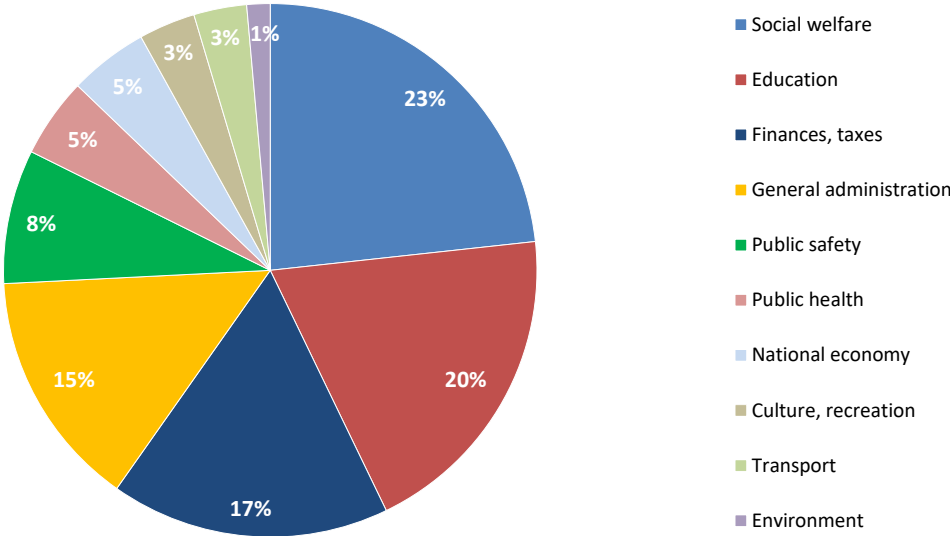
The three most important types of tax accounted for 71% of this amount:

- value added tax: CHF 254 million (2022: CHF 240 million),
- national share of corporate earnings tax: CHF 239 million (2022: CHF 219 million),
- national share of property and income tax: CHF 128 million (2022: CHF 112 million).

In 2023, revenue from taxes and duties accounted for approximately 73% of total current central government income of CHF 1'207 million, while financial income of CHF 222 million accounted for approximately 18%. In the same year, municipal revenues from taxes and duties amounted to CHF 259 million (2022: CHF 228 million), mainly consisting of the municipal share of the corporate earnings taxes and of the property and income taxes.

Central government expenditure by area of responsibility

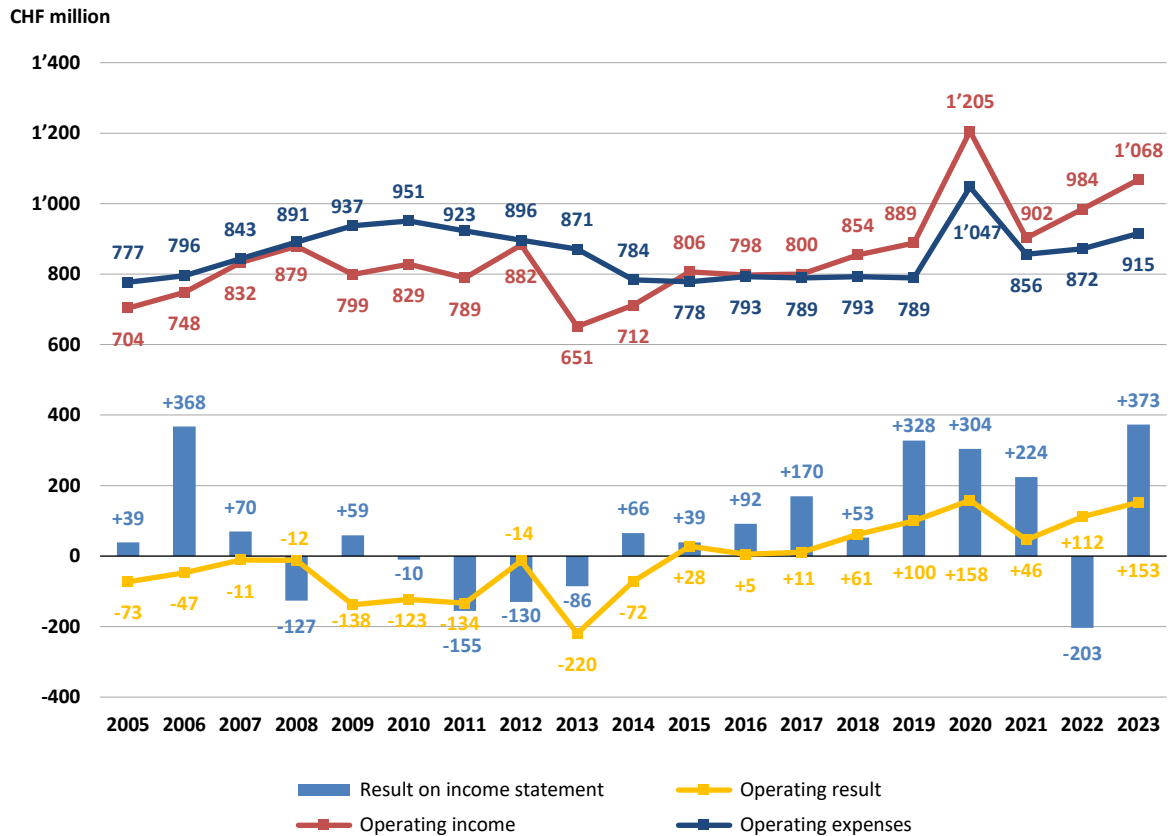
Year 2023



Data source: Government Accountability Report, OSL.

The total expenditure of the central government’s current account in 2023 was approximately CHF 917 million (2022: CHF 874 million). The two largest expenditure areas were social welfare and education, which summed up to about 43% of central government spending. Current expenditure of the municipalities amounted to CHF 295 million in 2022 (2021: CHF 274 million). In 2022, the central government and municipalities made consolidated total gross investments of CHF 113.4 million (2021: CHF 82.3 million).

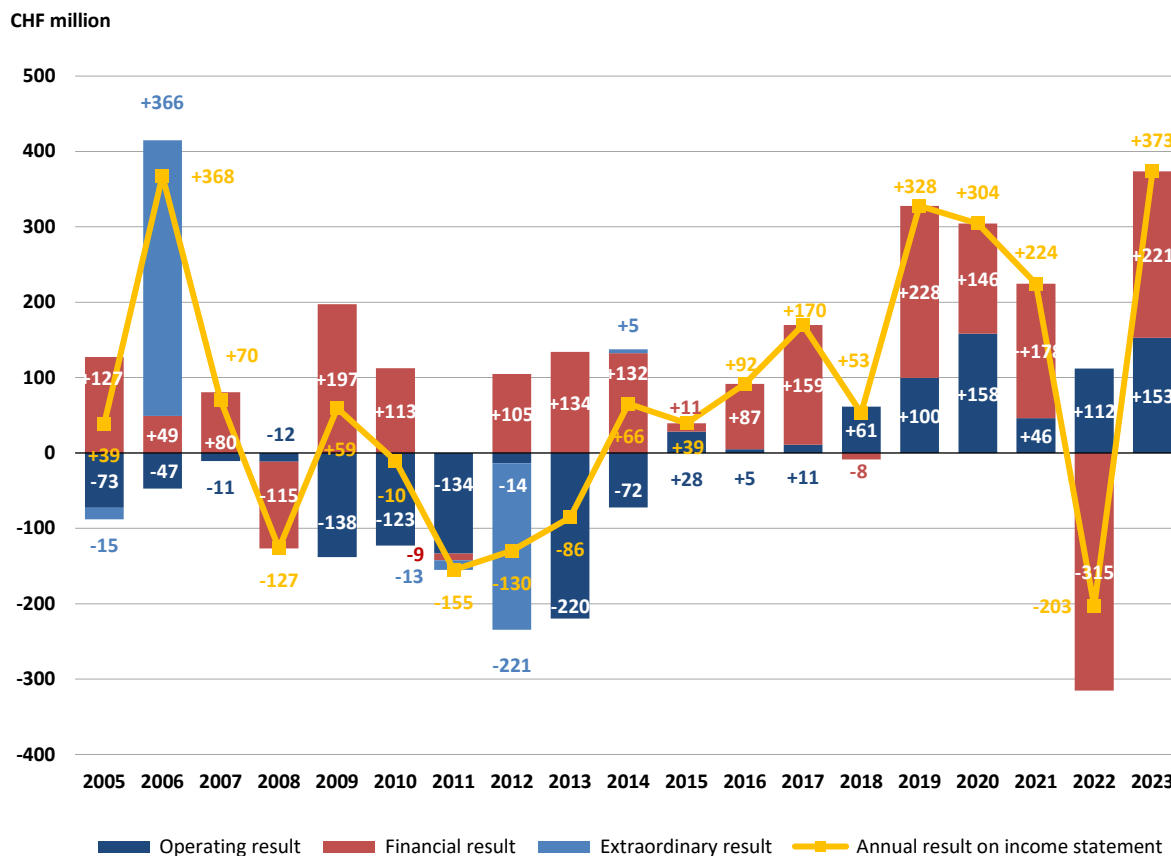
Operating result of the central government since 2005



Data source: Government Accountability Report.

After an extended rise until 2010, operating expenses stabilised at a significantly lower level in more recent years. In 2020 they were driven by the effect of the COVID-19 pandemic and an additional state funding for OASI. Beginning in 2015, the operating account has been positive for the first time since 2001 and has remained on positive levels since then. Operating income is very volatile, especially due to economic cycle fluctuations in tax revenues. In addition, special effects can have a strong influence, as can be seen in the sale of government's shares of the LLB 2016, the transition phase to the abolition of the coupon tax in 2011 to 2016, or the one-time tax income special effect regarding corporate earnings tax in 2020.

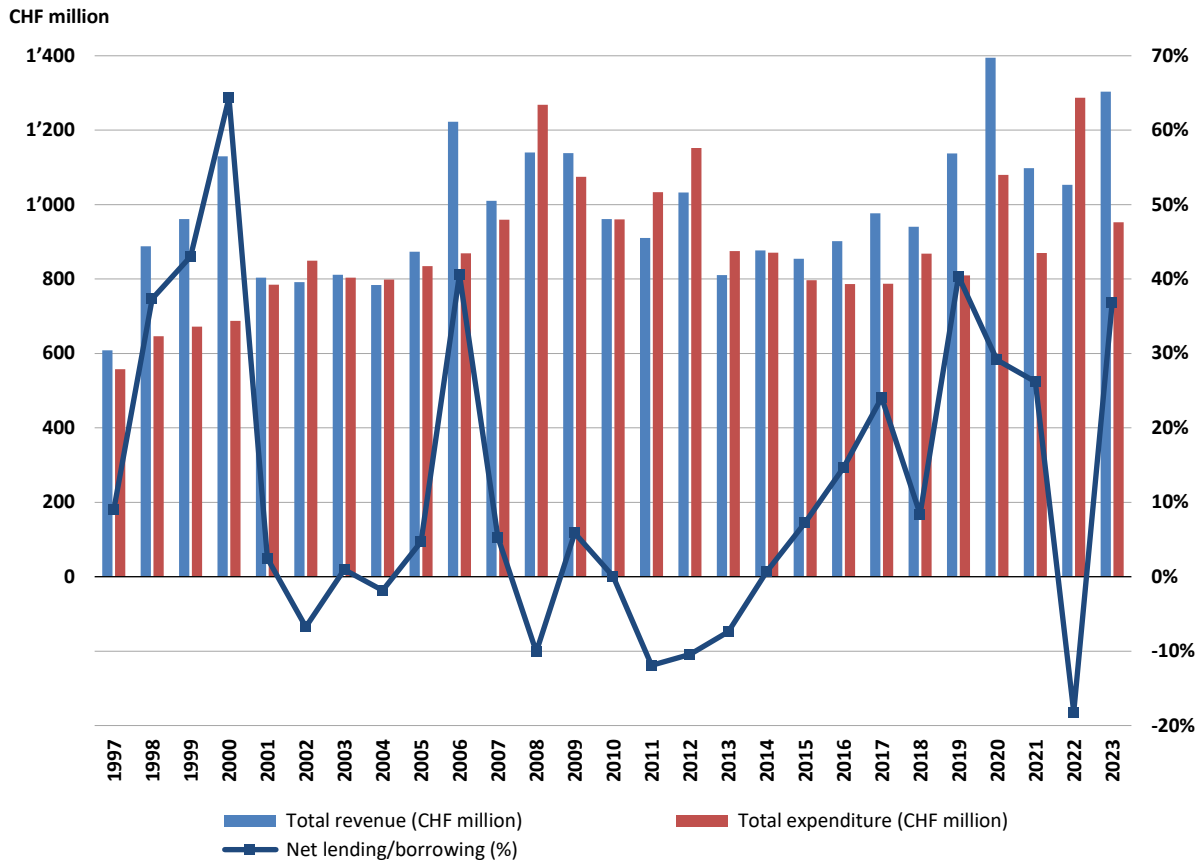
Detailed income statement of the central government since 2005



Data source: Government Accountability Report.

The central government's income statement – i.e. operating result, financial result, and extraordinary result (excluding investment account) – fell below zero after the financial crisis 2008/09, but was consistently positive again between 2015 and 2023, with the exception of 2022. Since 2015, the operating result has been positive. From 2002 until 2014, the operating result was negative and in some years too large to be compensated by the usually positive financial result. In 2006 (sale of central government's LLB shares) and 2012 (securing the funding of the national pension insurance), high extraordinary special effects were recorded. In addition, the abolition of the coupon tax in the transitional phase from 2011 to 2016 resulted in high extraordinary revenue from the distribution of companies' old reserves in some of those years. In 2020, the peak of the COVID-19 impact, higher expenses for health measures and financial support to the economy were necessary. Also, additional state funding for OASI was granted. Yet, due to a tax income special effect, a positive operating result was achieved in 2020. In 2021, the operating result was as well positive, even though the revenue from the corporate earnings tax related to the tax year 2020. In 2023, the financial result was positive again after the difficult stock market year 2022, which, together with the clearly positive operating result, led to a highly positive annual result of CHF +343 million.

Revenue, expenditure, and net lending/borrowing (in %) of the central government since 1997

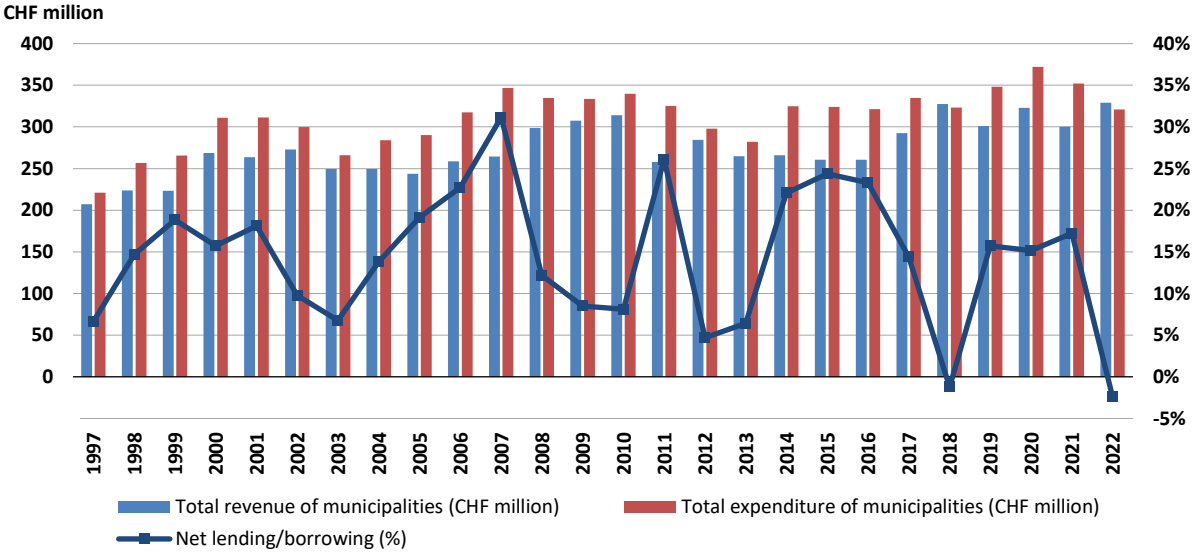


Overall result of the central government account: operating result (excl. write-offs on administrative assets) + financial result + extraordinary result + investment account. Net lending/borrowing (in %): overall revenue of the central government account/overall expenditure of the central government account.

Data source: Government Accountability Reports, OSL, recalculations of the central government account adjusted for structural breaks (Liechtenstein Institute and Thomas Lorenz/Stiftung Zukunft.li).

Over the 27 years presented in the chart, Liechtenstein reported a positive net lending/borrowing ratio in 20 of these years, i.e. the revenue from the overall central government account was higher than the expenditure (overall result of the central government account: income statement and investment account, excluding write-offs on administrative assets). The central government account has recovered strongly during the past century. In the central government's income statement of 2023, the financial result was positive again after the weak international stock market performance in 2022. Together with the positive operating result, an overall surplus (+36.9%) was recorded again. Total revenue amounted to CHF 1'304 million in 2023, total expenditures to CHF 953 million. The high surpluses in 1998, 1999, 2000, and 2006 were influenced by the sales of government shares of LLB.

Revenue, expenditure, and net lending/borrowing (in %) of the municipalities since 1997

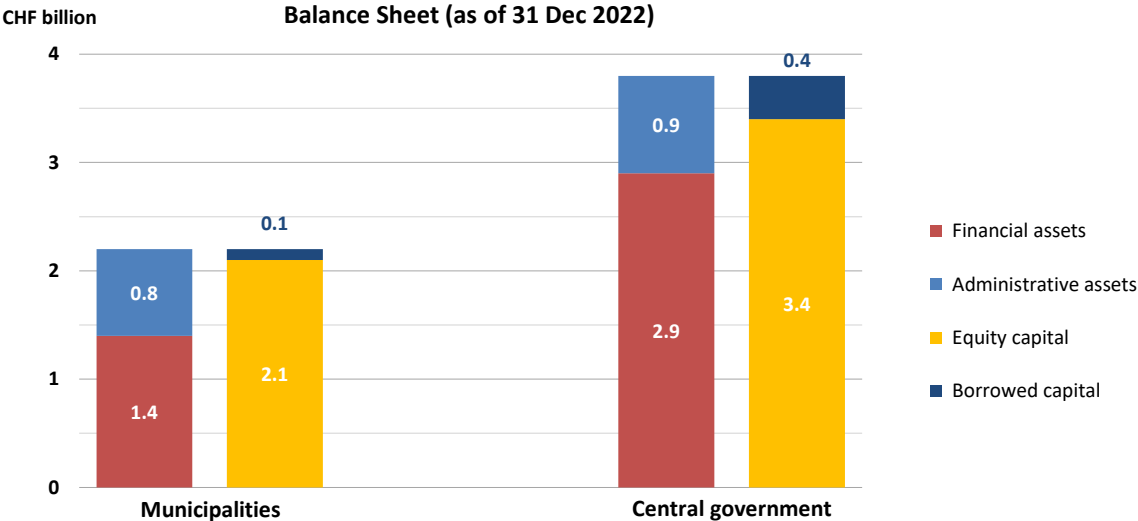


Overall result of the municipal accounts: operating result (excl. write-offs on administrative assets) + financial result + extraordinary result + investment account. Net lending/borrowing (in %): overall revenue of the municipal accounts/overall expenditure of the municipal accounts.

Data source: OSL.

Over the entire period presented, net lending/borrowing (overall result of the municipal accounts: income statement and investment account, excluding write-offs on administrative assets) of the Liechtenstein municipalities was clearly positive; with the exception of the years 2018 and 2022, in which the weak international stock market performance weighed on the municipalities’ financial results. A financing deficit of –2.4% was recorded in 2022.

Asset/liability items of central government and municipalities



Data source: OSL, Government Accountability Report.

The net assets – i.e. equity plus surplus at the end of the year (assets minus liabilities) – of the municipalities were CHF 2.1 billion in 2022, about two third of the amount of the central government’s net assets (CHF 3.4 billion). The net assets of the municipalities of Vaduz (CHF 764 million) and Schaan (CHF 468 million) were notably significant. The very high share of financial assets on the side of both levels of government is also evident.

Net assets (as of 31 Dec) of the central government and municipalities since 1998

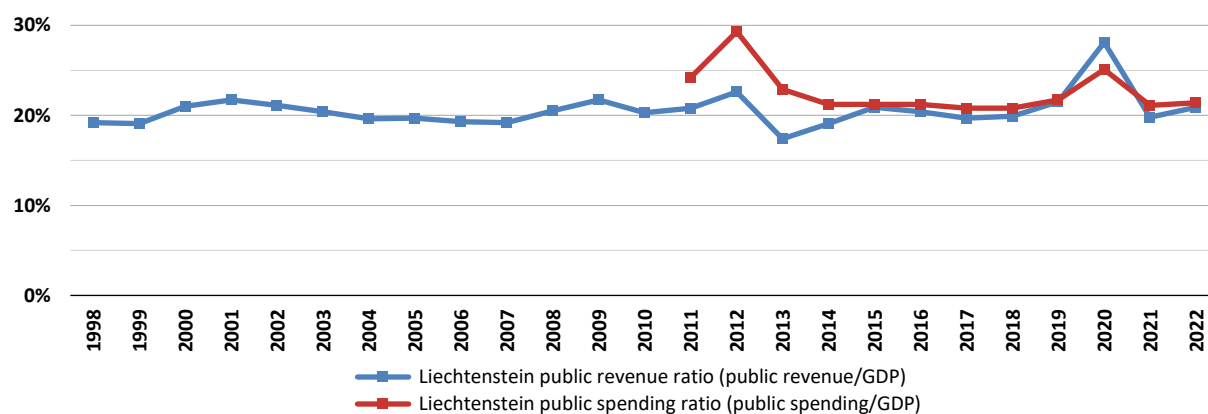
	Municipalities			Central government		
	Net assets (CHF million)	Net assets per capita (CHF)	Net assets/ annual expenditure	Net assets (CHF million)	Net assets per capita (CHF)	Net assets/ annual expenditure
1998	332.5	10'385	1.5	1'100.7	34'379	1.5
2007	911.6	25'782	3.5	2'764.1	78'179	2.5
2013	1'134.2	30'547	4.5	2'285.1	61'544	2.4
2016	1'320.2	34'916	5.3	2'481.4	65'629	2.9
2017	1'613.1	42'323	5.9	2'651.9	69'578	3.1
2018	1'788.5	46'601	6.0	2'704.8	70'479	3.1
2019	1'891.1	48'807	6.5	3'032.6	78'266	3.5
2020	1'980.8	50'718	6.3	3'336.8	85'439	2.9
2021	2'052.5	52'216	7.1	3'561.2	90'597	3.8
2022	2'070.5	52'183	6.9	3'357.8	84'629	3.4
2023				3'731.2	93'228	3.7

Annual expenditure: current expenditure including capital expenditure, excluding write-offs on financial and administrative assets. Approximate structural break adjustment of the central government's net assets (Liechtenstein Institute).

Data source: Calculations based on OSL and Government Accountability Reports. Net assets data for municipalities for 2023 are not yet available.

After a similarly steep increase in the net assets of the municipalities and the central government from 1998 to 2007, the net assets of the central government declined until 2013 and then considerably rose until 2023. In contrast, the net assets of the municipalities have increased each year over the entire period from 1998; this is true in regard to both absolute net assets and net assets per capita (with the exception of 2022). The central government's net assets in relation to annual expenditure have tended to increase over the years and amounted to reserves of about 3.7 annual expenses in 2023.

Public revenue ratio and public spending ratio since 1998

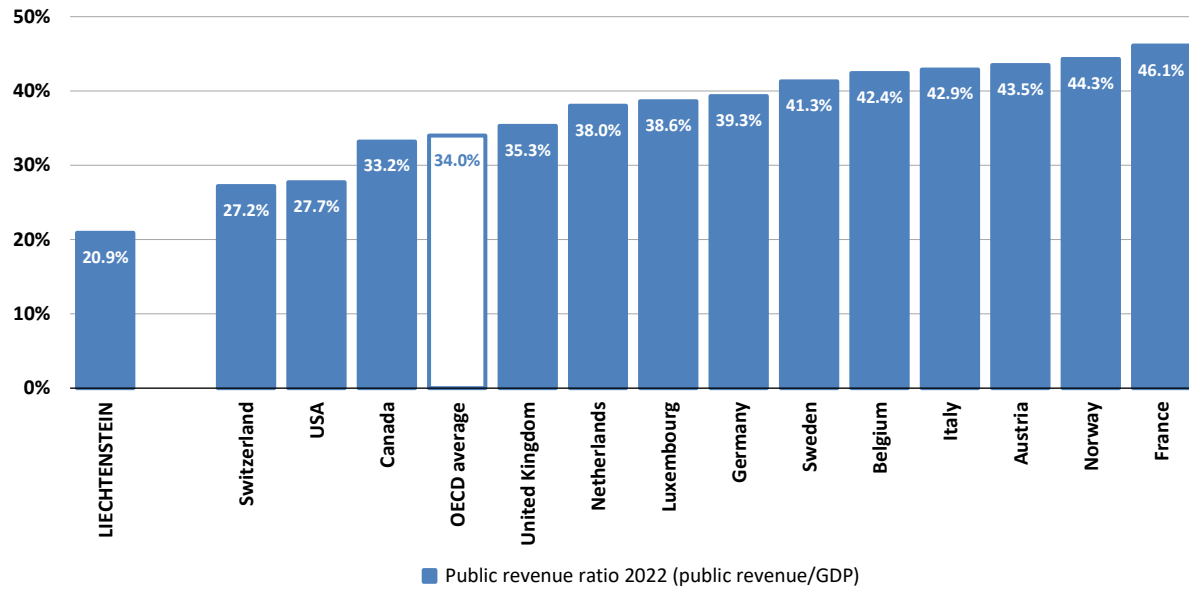


Public revenue ratio: consolidated public revenue (central government, local government, social security funds) in % of GDP. Public spending ratio: consolidated public expenditure (central government, local government, social security funds) in % of GDP.

Data source: OSL.

The public revenue ratio (consolidated public revenue of central government, local government, social security funds in relation to GDP) in Liechtenstein has been stable for the last two decades at a low level of approximately 20%. In 2020, there was a temporary increase to 28.1% due to a one-time tax income effect combined with a strong decrease in GDP. Also, the public spending ratio (consolidated expenditure of the central government, local government and social security funds in relation to GDP) has been stable and lies at slightly above 20%. The reason for the unusual increase in 2020 was associated with the expenditure for health and economic support measures put in place because of the COVID-19 pandemic and with the strong GDP decrease. The public spending ratio in 2012 was influenced by the sharp temporary increase in public expenditure in the course of securing funding of the central government pension insurance.

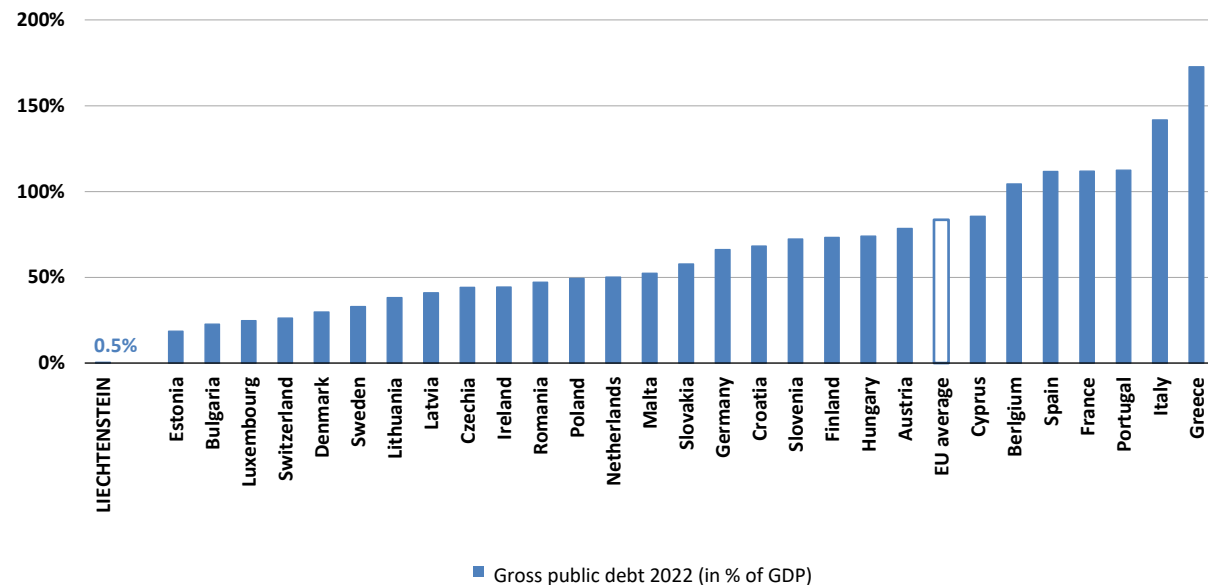
Public revenue ratio



Data source: OSL, OECD (Revenue Statistics).

By international comparison, the public revenue ratio (consolidated revenue of the central government, local government and social security funds in relation to GDP) in Liechtenstein is traditionally very low. In 2022, at 20.9%, it was significantly below that of Switzerland (27.2%) and the United States (27.7%). The relatively low ratios of Liechtenstein's public budgets can also be observed when international comparisons are based on GNI instead of GDP as a reference value for public revenue/expenditure.

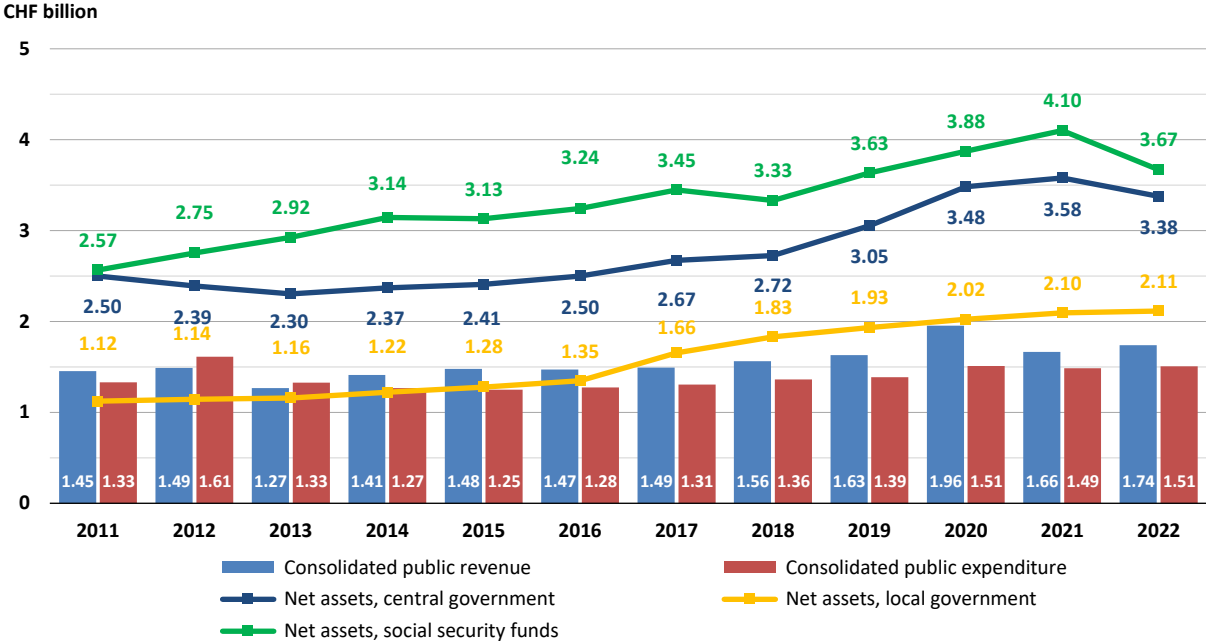
Gross debt in relation to GDP



Data source: OSL.

The gross debt ratio in Liechtenstein's public budgets is almost zero. If assets are taken into account, the result shows even clearly negative debt (i.e. a positive net worth), which is very rarely the case by international standards.

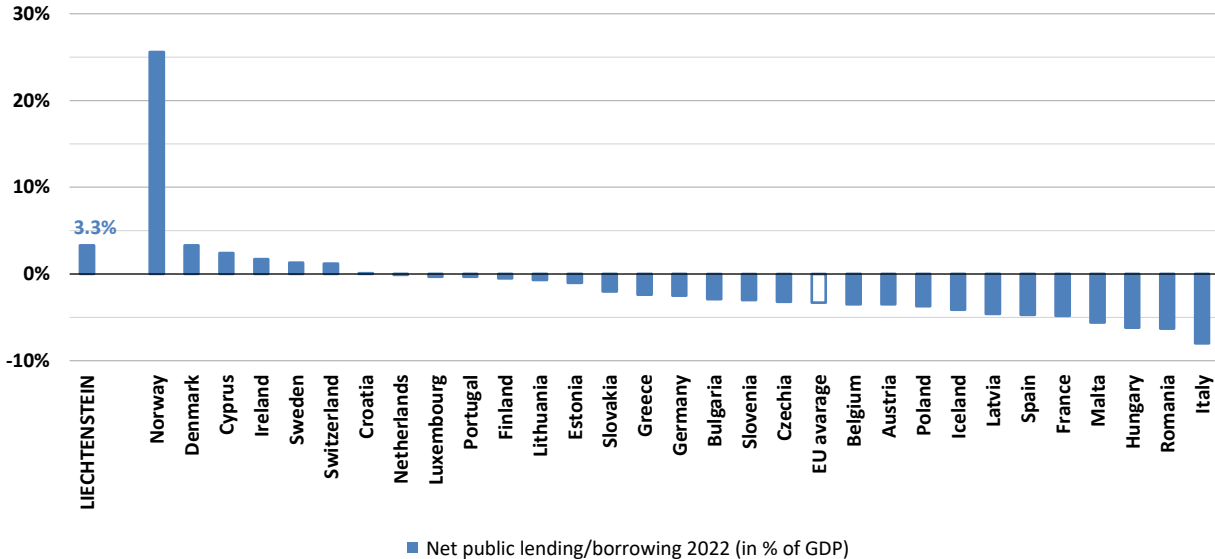
Consolidated revenue/expenditure and net assets of the three levels of government since 2011



Data source: OSL, FFA, own calculations (Liechtenstein Institute).

After two negative years, Liechtenstein’s public budgets has reported a consolidated revenue surplus since 2014. The net assets of the social security funds and the local government have risen quite continuously since 2011, while an increase has been observed for the central government only since 2013. In 2022, the consolidated net assets of all levels of Liechtenstein (central government, local government, social security funds) amounted to CHF 9.2 billion (2021: CHF 9.8 billion), i.e. about CHF 231’000 per inhabitant. By comparison, the total net assets of all government sub-sectors in Switzerland amounted to about CHF 33’000 per inhabitant in 2022.

Net lending/net borrowing in relation to GDP



Data source: OSL.

Liechtenstein’s consolidated net lending/borrowing as a percentage of GDP (central government, local government, social security funds) amounted to +3.3% in 2023 (2021: +2.7%).

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List of abbreviations

BICRA	Banking Industry Country Risk Assessment (S&P)
CHF	Swiss franc
CIA	Central Intelligence Agency
CPI	Swiss Consumer Price Index
Destatis	Federal Statistical Office of Germany
EBT	Earnings before taxes
EEA	European Economic Area
EU	European Union
Eurostat	Statistical Office of the European Union
FFA	Swiss Federal Finance Administration
FMA	Financial Market Authority Liechtenstein
FOCBS	Swiss Federal Office for Customs and Border Security
FSO	Swiss Federal Statistical Office
FTE	Full-time equivalents
GDP	Gross domestic product
GNI	Gross national income (formerly gross national product)
ILO	International Labour Organization
IMF	International Monetary Fund
LBA	Liechtenstein Bankers Association
LCCI	Liechtenstein Chamber of Commerce and Industry
LGT	Liechtenstein Global Trust
LLB	Liechtensteinische Landesbank
NOGA	General Classification of Economic Activities
OASI	Old-Age and Survivors' Insurance
OECD	Organisation for Economic Co-operation and Development
OSL	Office of Statistics Liechtenstein
SECO	Swiss State Secretariat for Economic Affairs
SNB	Swiss National Bank
STATEC	National Institute of statistics and economic studies of Luxembourg
S&P	Standard & Poor's
UN	United Nations
USA	United States of America
VPB	Verwaltungs- und Privatbank