REGIONAL DINA UPDATE FOR EUROPE

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Technical Note

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Overview

This update revises the Distributional National Accounts (DINA) series for 38 European countries up to 2020, following the method in Blanchet, Chancel and Gethin (2022) (hereafter BCG22). We hence revise and extend last year's update as described in Andreescu and Sodano (2024). In this note, we explain the revisions made for both Western and Eastern European countries.

As before we classify Western Europe as comprising Austria, Belgium, Cyprus, Denmark, Finland, France, Greece, Germany, Iceland, Ireland, Italy, Luxemburg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom. Eastern Europe includes Albania, Bosnia and Herzegovina, Bulgaria, Czech Republic, Estonia, Croatia, Hungary, Kosovo, Lithuania, Latvia, Moldova, Montenegro, North Macedonia, Poland, Romania, Serbia, Slovenia, and Slovakia.

Data availability and quality

Table 1 presents the data used for the update.

Western Europe

For Western European countries, we rely entirely on the EU-SILC for survey data. The survey covers EU countries as well as non-EU countries. The update utilizes the latest

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release of the SILC micro data in 2025 for the wave year 2024, which provides information on incomes received in the previous calendar year, i.e. 2023. Three countries did not have a 2025 data release: Switzerland (latest survey year 2023 corresponding to 2022 income year), the UK (2018 survey year corresponding to 2018 incomes), Iceland (2020 survey year corresponding to 2019 incomes).

Tax data is available in the form of tabulations for all Western countries, with the exception of Malta, to varying degrees of annual coverage. This update incorporates new data from tax tabulations for France (2023). Access to tax microdata is often not systematic and restricted to country-based researchers.

Some country-based researchers are currently working on producing distributional national accounts for their countries at a greater level of detail and precision than the estimates of this update. Austria, France and Italy are the only countries included in this update that have followed this strategy to date (see Table 1). While the French country authors (Garbinti et al., 2023), could draw on tax microdata, the Austrian (Jestl and List, 2022) and Italian studies (Guzzardi et al., 2022) built DINA based on survey data and tax tabulations. We expect that more countries will be added to this list over time. This is desirable as it will improve cross-country comparability and the precision of our estimates.

As can be seen from Table 1, new tax data is available in raw form that hasn't been used in this update. The use of this new data is problematic given the harmonized methodology used to estimate the DINA series for European countries currently on WID.world. These tax tabulations are not straightforward to use either – many refer to "net taxable incomes", requiring treatments to correct for deductions, and other items. They thus require more time and resources to process. Further collaboration with local researchers will help us overcome these data obstacles.

Eastern Europe

Eastern Europe is still heterogeneous concerning data quality. We use the EU-SILC survey microdata for EU member states and Serbia. For many non-EU members, PovcalNet, PIP and heterogeneous national surveys are currently the only available survey data source. In this light, the integration of further countries into the EU-SILC, already realized for Serbia and currently underway for North Macedonia, Montenegro, and Albania is a positive development.

Tax data in the form of tabulations is still sparse. An additional obstacle for the integration of tax information is that capital incomes are withheld at the source in many Eastern European countries. Therefore, a combination of personal income tax returns and a database on incomes for which tax was withheld at the source would be necessary. Kump and Novokmet (2018) can draw on such a database for Slovenia. Access to tax microdata is even less systematic than in Western Europe.

The constituent republics of the former Federal Republic of Yugoslavia – Bosnia and Herzegovina, Croatia, Montenegro, Northern Macedonia, Serbia and Slovenia – are plotted since 1980 as separate entities. This data is taken from Maddison Project Database (2020) and based on extrapolations. The same applies to the Czech Republic and Slovakia, forming late Czechoslovakia. Data since 2010 for the Czech Republic and Slovakia is taken from European Union sources. Kosovo is considered since 1999 a separate entity.

For National Accounts aggregates, we follow BCG22 by using EUROSTAT and OECD data as primary sources. UN SNA is used when the first two sources do not have information. Since detailed data on the composition of national income is sparse before 1995, we impute missing information by retropolation using exponential smoothing. As a last step, regional averages based on the regional classification by the UN Statistics Division are used to treat cases in which component information is missing for all years. This applies to subcomponents of national income for Albania, Bosnia and Herzegovina, former Czechoslovakia, the former German Democratic Republic, Kosovo, Moldova, Montenegro, and North Macedonia. Little is currently known about income redistribution in the South-eastern European countries, including information on social benefits and health expenditures used to compute posttax incomes in particular. For several Eastern European countries we use National Accounts aggregates directly from WID.world. These aggregates are based on data from UN MADT, OECD, IMF BOPS (see Blanchet et al. 2021, p. 88 for details).

Methodology

The procedure used in BCG22 involves various steps to distribute net national income within countries, sub-regions and the region of Europe as a whole. We provide a brief summary of the methodology, referring the readers to the published paper for further details. First, different household surveys are harmonized at a conceptual level to obtain cross-country distributions of pre-tax and post-tax income.

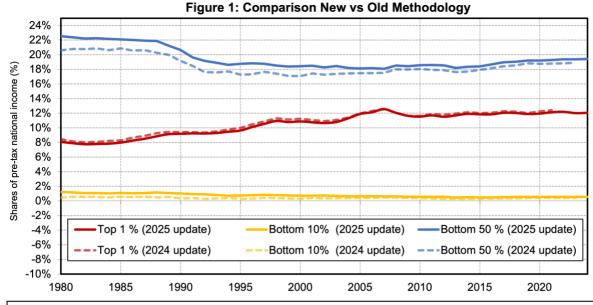
Second, these surveys are calibrated on top incomes from tax data, ensuring that top income shares calculated in previous research are maintained, while correcting for income under-coverage in surveys. The calibration is also done on top income shares from new tax data, which are estimated by using an internal control total for income from the survey, rather than an external control total from national accounts used in previous research on top incomes.

Third, missing income components are added to the calibrated survey from the national accounts following various distributional assumptions that utilize information from income surveys, consumption surveys and wealth surveys. These comprise imputed rents of households, the undistributed profits of corporations, product and production taxes, and in-kind government expenditure. Imputed rents are imputed to their distribution in the surveys where they are recorded (EU-SILC). Undistributed profits (which includes the corporate tax) are imputed to the distribution of corporate stock

holdings from wealth surveys (HFCS) calibrated on top income shares. Taxes on products and production are imputed proportionally to the distribution of pretax income. Lastly, in-kind government expenditures are imputed proportionally to the distribution of disposable income, except for public health spending, which is imputed in equal lump-sum shares to individuals.

This imputation process was using machine learning algorithms calibrated on existing distributional assumptions, relying heavily on data from top incomes. While this process performed adequately for the highest percentiles of the distribution, it proved inadequate for the bottom percentiles. Some bias existed in the smallest percentiles on which the algorithm lacked enough data to produce accurate estimations, such that the previously published distribution showed in some cases negative income levels or unreliably small levels. Furthermore, the imputations created long-term deviations due to the Covid-19 crisis, while the micro-data indicated this was a one-time shock with punctual (although important) distributional consequences. The income from 2020 was rendered complex by the apparition of new benefits to make up for the accidental loss in wages, that were not systematically measured correctly in micro-data. As this phenomenon concerned mostly the lower part of the distribution, the 2020 estimates were unduly low for the bottom 50. Thus, the 2025 update brings about a methodological update meant to avoid introducing bias due to the computational assumptions. Starting this year, the missing income components are imputed using a simplified calibration technique for bottom percentiles, that harmonizes the top distribution with the existing survey data for bottom percentiles. This procedure allows respecting the internal coherence constraints implied by distributional identities: both conditions of monotonicity of shares and preserving positive income estimations are respected. To avoid spurious breaks introduced by the 2020 data issues, the 2019 data is used as an anchor point to compute the deviations in each percentiles' income, using capped log growth rates. This procedure allows to preserve coherent trends in the distribution, while correcting for the levels in the bottom part of the distribution. The differences between the updated distribution and the previous data is illustrated in Figure 1.

We follow this routine to update the series up to 2023 with the new distributional and aggregate data (the survey microdata reaches 2017 in BCG22). Furthermore, we expand the distributional data by one more year to reach 2024, assuming a constant fiscal income (survey + tax data) distribution. We then add new macro data from national accounts that were updated this year on WID.world to 2024. In Table 1, "+ macro data 2024 (constant fiscal income distribution 2023-2024)" means that we impute these macro incomes assuming that the fiscal distribution remains unchanged. The imputation of these missing macro incomes alters the final distribution, given that they are not all imputed proportionally to fiscal incomes. The benchmark unit of observation used in these inequality series is the adult individual aged 20 or older, with income of couples being divided equally.



Notes: This figure shows the European distribution of pre-tax income, by percentile, comparing across methodologies. The previous methodology, used until the 2024 update created bias in the bottom 10%, especially in earlier series as it relied on insufficient data for complex machine-learning algorithms. The new 2025 update introduced a new methodology that does not infer nottom distribution from top-shares and relies on available survey data for its imputation. This lead to a revalorization of bottom 10% and overall better estimation of bottom shares. Sources and series: wid.world.

A note on the differences with the OECD-Eurostat expert group on disparities in a national accounts framework (EG DNA).

The sole focus of the EG DNA is to distribute the disposable income of the household sector in the SNA. In contrast, the WID.world's DINA series distribute the entirety of national income among resident households (including all income flowing to corporations, the government, and to and from the foreign sector). In this way we account for 100% of macroeconomic growth coming from GDP statistics. If data quality permits, we also present results for numerous concepts (i.e. not only pre-tax national income, but also post-tax disposable income and post-tax national income) across granular percentile groups reaching small fractiles at the very top of the distribution, with greater precision than the EG DINA, which primarily focuses on quintile groups.

For our harmonized European DINA series, we do not scale individual income components in the micro data to their macro equivalents in SNA. This is another difference with the EG DNA. However, for newly incorporated DINAs, like those for Austria, France and Italy, this component scaling to SNA is carried out by the authors.

References

Advani, Arun and Summers, A. (2020). Capital Gains and UK Inequality. WID.world Working Paper No. 2020/09.

Andrei, T., Oancea, B., Richmond, P., Dhesi, G., and Herteliu, C. (2017). Decomposition of the Inequality of Income Distribution by Income Types—Application for Romania. *Entropy*, *19*(9), 430.

Bartels, C. (2019): <u>Top incomes in Germany</u>, <u>1871-2014</u>, Journal of Economic History, 79(3) (2019): 669-707.

Blanchet, T., Chancel, L., and Gethin, A. (2022). Why is Europe more equal than the United States? American Economic Journal: Applied Economics, 14(4): 480-518.

Blanchet et al. (2021). Distributional National Accounts Guidelines. Methods and Concepts Used in the World Inequality Database.

Bozio, A., Garbinti, B., Goupille-Lebret, J., M Guillot, M., and Piketty, T. (2023). Predistribution vs. Redistribution: Evidence from France and the United States. *American Economic Journal: Applied Economics* (Forthcoming).

Bukowski, P. and Novokmet, F. (2021). Between Communism and Capitalism: Long-Term Inequality in Poland, 1892-2015. Journal of Economic Growth 26, 187-239.

Chancel, L., and Piketty, T. (2020). Countries with Regional Imputations in WID.world: A Precautionary Note. October, 2020.

Chrissis, K. and Koutentakis, F. (2019). From dictatorship to crisis: The evolution of top income shares in Greece (1967-2017). WID.world Working Paper No. 2019/14.

Garbinti, B., Goupille-Lebret, J., and Piketty, T. (2018). Income inequality in France, 1900-2014: Evidence from Distributional National Accounts (DINA). Journal of Public Economics, 162:63-77.

Guzzardi, D., Palagi, E., Roventini, A., and Santoro, A. (2022). Reconstructing income inequality in Italy: New evidence and tax policy implications from Distributional National Accounts. World Inequality Lab Working Paper 2022/02, World Inequality Lab.

Jestl, S. and List, E. (2022). Inequality, redistribution, and the financial crisis: Evidence from distributional national accounts for Austria. Review of Income and Wealth.

Kump, N. and Novokmet, F. (2018). Top incomes in Croatia and Slovenia, from 1960s until today. WID.world Working Paper No. 2018/8.

Maddison Project Database (2020): Bolt, Jutta and Jan Luiten van Zanden (2020), "Maddison style estimates of the evolution of the world economy. A new 2020 update"

Mavridis, D. and Mosberger, P. (2017). Income Inequality and Incentives The Quasi-Natural Experiment of Hungary 1914-2008. WID.world Working Paper No. 2017/17.

Morgan, M. and Neef, T. (2020). <u>2020 Distributional National Accounts Update for Europe</u>. World Inequality Lab Technical Note 2020/04.

Novokmet, F. (2018): The long-run evolution of inequality in the Czech Lands, 1898-2015. WID.world working paper series, no. 2018/06.

OECD (2020). Handbook on Compiling Distributional Results on Household Income, Consumption and Saving Consistent with National Accounts. Paris: OECD.

Salverda, W. (2019). Top Incomes, Income and Wealth Inequality in the Netherlands: The first 100 Years 1914–2014 – what's next? WID.World Working Paper No. 2019/02.

Table 1. Data sources and type of update by country

Western Europe Last/new Survey data source New years of Country year(s) of tax Latest year of tax data available Tax data source and format Macro data Type of update survey data used and format data used 2003-2017 from Jestl and List **EUROSTAT & OECD** (2022) +EU-SILC, microdata 2018 2020 1995-2024, UN SNA extrapolations Austria 2021, 2022, 2023 www.statistik.at, tabulations 1980-1994 (1980-2002, 2018-2023) based on internal update Survey microdata 2023 + macro data **EUROSTAT & OECD** 2024 (constant 1995-2024 UN SNA Belgium 2021, 2022, 2023 EU-SILC, microdata 2018 2018 www.statbel.fgov.be, tabulations fiscal income 1980-1994 distribution 2023-2024) Survey microdata 2023 + macro data **EUROSTAT & OECD** 2024 (constant 2017 www.mof.gov.cy, tabulation 1995-2024, UN SNA Cyprus 2021, 2022, 2023 EU-SILC, microdata fiscal income 1980-1994 distribution 2023-2024) Survey microdata 2023 + macro data **EUROSTAT & OECD** 2024 (constant 2010 2020 www.statbank.dk, tabulations 1995-2024, UN SNA Denmark 2022, 2023 EU-SILC, microdata fiscal income 1980-1994 distribution 2023-2024)

| Country | New years of survey data used | Survey data source and format | Last/new year(s) of tax data used | Latest year of tax data available | Tax data source and format | Macro data | Type of update |
|---------|-------------------------------|-------------------------------|---|-----------------------------------|---------------------------------|---|---|
| Finland | 2021, 2022, 2023 | EU-SILC, microdata | 2009 | 2020 | www.vero2.stat.fi, tabulations | EUROSTAT & OECD 1980-2024 | Survey microdata 2023 + macro data 2024 (constant fiscal income distribution 2023- 2024) |
| France | 2021, 2022, 2023 | EU-SILC, microdata | 2023 | 2023 | www.impots.gouv.fr, tabulations | EUROSTAT & OECD 1980-2024 | External estimation by Garbinti, Goupille-Lebret and Piketty (2018) for 1900-2014; Bozio et al. (2023) for 2014-2016. 2017-2024 are extrapolated using tax tabulations. |
| Germany | 2021, 2022, 2023 | EU-SILC, microdata | 2017 | 2018 | www.destatis.de, tabulations | EUROSTAT & OECD 1995-2024, UN SNA 1980-1994 | Survey microdata 2023 + macro data 2024 (constant fiscal income distribution 2023- 2024) |
| Greece | 2021, 2022, 2023 | EU-SILC, microdata | 2018 | 2018 | www.aade.gr, tabulations | EUROSTAT & OECD 1995-2024, UN SNA 1980-1994 | Survey microdata 2023 + macro data 2024 (constant fiscal income distribution 2023- 2024) |

| Country | New years of survey data used | Survey data source and format | Last/new year(s) of tax data used | Latest year of tax data available | Tax data source and format | Macro data | Type of update |
|-----------|-------------------------------|----------------------------------|---|-----------------------------------|---|---|---|
| Iceland | 2018, 2019 | EU-SILC, microdata | 2017 | 2021 | www.px.hagstofa.is, tabulations | EUROSTAT 1995- 2024, 1980-1999 UN SNA | Survey microdata 2019 + macro data 2024 (constant fiscal income distribution 2019- 2024) |
| Ireland | 2022, 2023 | EU-SILC, microdata | 2018 | 2018 | www.statbank.cso.ie, tabulations, updated top income shares for 2016-2018 provided by Brian Nolan. | EUROSTAT & OECD 1995-2024, UN SNA 1980-1994 | Survey microdata 2023 + macro data 2024 (constant fiscal income distribution 2023- 2024) |
| Italy | 2021, 2022, 2023 | EU-SILC, microdata | 2018 | 2021 | www1.finanze.gov.it, tabulations | EUROSTAT & OECD 1995-2024, UN SNA 1980-1994 | 2004-2015 from Guzzardi et al. (2022) + extrapolations (1980-2003, 2016- 2024) based on internal update |
| Luxemburg | 2022, 2023 | EU-SILC, microdata | 2012 | 2012 | www.ces.public.lu, tabulations | EUROSTAT & OECD 1995-2024, UN SNA 1980-1994 | Survey microdata 2023 + macro data 2024 (constant fiscal income distribution 2023- 2024) |
| Malta | 2021, 2022, 2023 | EU-SILC, microdata | | | | EUROSTAT 1997- 2024, UN SNA 1980- 2005 | Survey microdata 2023 + macro data 2024 (constant fiscal income |

| | | | | | | | distribution 2023- 2024)distribution 2019-2023) |
|-------------|-------------------------------|----------------------------------|---|-----------------------------------|--|---|---|
| Country | New years of survey data used | Survey data source and format | Last/new year(s) of tax data used | Latest year of tax data available | Tax data source and format | Macro data | Type of update |
| Netherlands | 2022, 2023 | EU-SILC, microdata | 2014 | 2014 | <u>Salverda (2019)</u> | EUROSTAT & OECD 1995-2024 UN SNA 1980-1994 | Survey microdata 2023 + macro data 2024 (constant fiscal income distribution 2023- 2024) |
| Norway | 2022, 2023 | EU-SILC, microdata | 2018 | 2020 | www.microdata.no, microdata (available to Norwegian-based researchers), www.ssb.no, tabulations | EUROSTAT & OECD 1980-2024 | Survey microdata 2023 + macro data 2024 (constant fiscal income distribution 2023- 2024) |
| Portugal | 2021, 2022, 2023 | EU-SILC, microdata | 2019 | 2021 | www.pordata.pt, tabulations | EUROSTAT & OECD 1995-2024, UN SNA 1980-1994 | Survey microdata 2023 + macro data 2024 (constant fiscal income distribution 2023- 2024) |
| Spain | 2021, 2022, 2023 | EU-SILC, microdata | 2012 | 2019 | www.agenciatributaria.es, tabulations | EUROSTAT 1995-2024 | Survey microdata 2023 + macro data 2024 (constant fiscal income distribution 2023- 2024) |

| Sweden | 2023 | EU-SILC, microdata | 2013 | 2020 | www.statistikdatabasen.scb.se, tabulations | EUROSTAT & OECD, 1980-2024 | Survey microdata 2023 + macro data 2024 (constant fiscal income distribution 2023- 2024) |
|----------------|-------------------------------------|----------------------------------|---|-----------------------------------|--|--|---|
| Country | New years of survey data used | Survey data source and format | Last/new year(s) of tax data used | Latest year of tax data available | Tax data source and format | Macro data | Type of update |
| Switzerland | 2020, 2021, 2022 | EU-SILC, microdata | 2014 | 2016 | www.estv.admin.ch, tabulations | EUROSTAT 1995- 2024, UN SNA 1980- 1994 | Survey microdata 2022 + macro data 2024 (constant fiscal income distribution 2022- 2024) |
| United Kingdom | No update, latest inc. year 2021 | LIS, microdata | 2017 | 2017 | Advani and Summers (2020) | EUROSTAT 1995- 2024, UN SNA 1980- 1994 | Macro data 2024 (constant fiscal income distribution 2021-2024) |
| Eastern Europe | 9 | | | | | | |
| Country | New years of survey data used | Survey data source and format | Last/new year(s) of tax data used | Latest year of tax data available | Tax data source and format | Macro data | Type of update |
| Albania | No update, latest inc. year 2020 | PIP, tabulations | | | | WID.world 1980-2023 (only GDP GNI, depreciation) | Macro data 2024 (constant fiscal income distribution 2020-2024) |

| Bosnia & Herzegovina | No update, latest inc. year 2015 | PIP, tabulations | | | | WID.world 1980-2023 (only GDP GNI, depreciation) | Macro data 2023 (constant fiscal income distribution 2015-2023) |
|-------------------------|----------------------------------|----------------------------------|--|-----------------------------------|---------------------------------------|--|---|
| Country | New years of survey data used | Survey data source and format | Last/new year(s) of tax data used | Latest year of tax data available | Tax data source and format | Macro data | Type of update |
| Bulgaria | 2021, 2022, 2023 | EU-SILC, microdata | | | | EUROSTAT 1999-2024 | Survey microdata 2023 + macro data 2024 (constant fiscal income distribution 2023- 2024) |
| Croatia | 2021, 2022, 2023 | EU-SILC, microdata | 2013 | 2013 | Kump and Novokmet (2018) | EUROSTAT 2002- 2024, UN SNA 1996- 2001 | Survey microdata 2023 + macro data 2024 (constant fiscal income distribution 2023- 2024) |
| Czech Republic | 2021, 2022, 2023 | EU-SILC, microdata | 2015 (top shares by Novokmet 2018) | 2021 | www.financnisprava.cz, tabulations | EUROSTAT 1995-2024 | Survey microdata 2023 + macro data 2024 (constant fiscal income distribution 2023- 2024) |
| Estonia | 2021, 2022, 2023 | EU-SILC, microdata | 2019 | 2020 | www.emta.ee, tabulations | EUROSTAT 1995- 2024, UN SNA 1980- 1994 (only GDP GNI, depreciation) | Survey microdata 2023 + macro data 2024 (constant fiscal income distribution 2023- 2024) |

| Hungary | No update, latest inc. year 2020 | EU-SILC, microdata | 2008 | 2008 | Top shares by <u>Mavridis and</u> <u>Mosberger (2017)</u> | EUROSTAT & OECD 1995-2023, UN SNA 1991-1994 (only GDP GNI, depreciation) | Survey microdata 2020+ macro data 2023 (constant fiscal income distribution 2020- 2023) |
|-----------------|----------------------------------|-------------------------------|---|-----------------------------------|--|---|---|
| Country | New years of survey data used | Survey data source and format | Last/new year(s) of tax data used | Latest year of tax data available | Tax data source and format | Macro data | Type of update |
| Kosovo | No update, latest inc. year 2017 | PIP, tabulations | | | | WID.world 1999-2024 (only GDP GNI, depreciation) | Macro data 2024 (constant fiscal income distribution 2017-2024) |
| Lithuania | 2021, 2022, 2023 | EU-SILC, microdata | | | | EUROSTAT & OECD 1995-2024, 1993-1994 UN SNA | Survey microdata 2023 + macro data 2024 (constant fiscal income distribution 2023- 2024) |
| Latvia | 2021, 2022, 2023 | EU-SILC, microdata | | | | EUROSTAT & OECD 1995-2021, UN SNA 1980-1994 | Survey microdata 2023 + macro data 2024 (constant fiscal income distribution 2023- 2024) |
| North Macedonia | No update, latest inc. year 2019 | PIP, tabulations | | | | WID.world 1980-2021, UN SNA 1990-1993, 1997-2011 | Macro data 2024 (constant fiscal income distribution 2019-2024) |

| Moldova | No update, latest inc. year 2019 | PIP, tabulations | | | | WID.world 1980-2021 | Macro data 2024 (constant fiscal income distribution 2019-2024) |
|------------|----------------------------------|----------------------------------|---|-----------------------------------|--|--|--|
| Country | New years of survey data used | Survey data source and format | Last/new year(s) of tax data used | Latest year of tax data available | Tax data source and format | Macro data | Type of update |
| Montenegro | No update, latest inc. year 2021 | PIP, tabulations | | | | WID.world 1980-2021 | Macro data 2024 (constant fiscal income distribution 2021-2024) |
| Poland | 2021, 2022, 2023 | EU-SILC, microdata | 2015 | 2017 | Top shares provided by <u>Bukowski</u> and <u>Novokmet (2021)</u> | EUROSTAT & OECD 1996-2024 | Survey microdata 2023 + macro data 2024 (constant fiscal income distribution 2023- 2024) |
| Romania | 2021, 2022, 2023 | EU-SILC, microdata | 2014 | 2014 | Shares by <u>Andrei, et al. (2017)</u> | EUROSTAT 1995- 2022, UN SNA 1990- 2017 | Survey microdata 2023 + macro data 2024 (constant fiscal income distribution 2023- 2024)) |
| Serbia | 2022 | EU-SILC, microdata | 2017 | 2018 | Shares provided by Statistical Office of the Republic of Serbia | WID.world 1980-2022, EUROSTAT 2016- 2017, UN SNA 1997- 2011 | Macro data 2023 (constant fiscal income distribution 2019-2023) |
| Slovenia | 2021, 2022, 2023 | EU-SILC, microdata | 2012 | 2019 | Shares 1991-2012 provided by Kump & Novokmet (2018), further microdata access possible | EUROSTAT & OECD 1995-2024 | Survey microdata 2023 + macro data 2024 (constant |

| | | | | | through Statistical Office of Slovenia | | fiscal income distribution 2023- 2024) |
|----------|-------------------------------|----------------------------------|---|-----------------------------------|---|---|---|
| Country | New years of survey data used | Survey data source and format | Last/new year(s) of tax data used | Latest year of tax data available | Tax data source and format | Macro data | Type of update |
| Slovakia | 2021, 2022, 2023 | EU-SILC, microdata | | | | EUROSTAT & OECD 1995-2024, UN SNA 1992-1994 | Survey microdata 2023 + macro data 2024 (constant fiscal income distribution 2023- 2024) |
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| | | | | | | | |