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EUROPEAN COMMISSION

RESILIENCE DASHBOARDS : SPRING UPDATE 2022¹

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This short report presents the latest changes to the resilience dashboards². They have been developed by the European Commission as a follow up to the 2020 Strategic Foresight Report³, and support the transition-led EU policy agenda as they provide a **holistic assessment of the ability to progress amid challenges**, across four dimensions: social and economic, green, digital, and geopolitical. The 2022 Annual Sustainable Growth Survey⁴ published last November referred to the dashboards' use to support the preparation of country reports. The Chapeau Communication of the 2022 Semester Spring Package⁵ anchors the resilience dashboards to the European Semester and a number of Country Reports include references to them.

Compared to the resilience dashboards that were published in November 2021, this spring update includes the **latest data from Eurostat**⁶. It also contains some **refinements** and **adjustments** to selected indicators, **to better align** the dashboards with the information set used in the Country Reports of the **European Semester**.

In the **social and economic dashboard**, the main change refers to the employment in energy-intensive sectors, household saving rate and employment-related indicators. The **employment in energy-intensive sectors** indicator now also includes the mining sector, and the data source has been replaced by the National accounts employment data by industry (previously LFS). **Employment indicators** (employment rate and long-term unemployment rate) have been adjusted in terms of the age category considered, in alignment with the Country Reports. The **household saving rate** has been substituted and now it reflects the net saving instead of gross saving.

In the **green dashboard**, only three indicators changed definition or data source. **The environmental patents per capita** indicator was extended to include the set of all patent applications filed under the International Patent System (established by the Patent Cooperation Treaty). **Gross value added in environmental goods and services sector** is adjusted to reflect the share in GDP instead of total GVA. Finally, the **fossil fuel subsidies** indicator is based on the data from a more recent report 'Study on energy subsidies and other government interventions in the European Union (July 2021)' as produced by DG ENER⁷.

In the **digital dashboard**, changes were more limited and the data were harmonized to include DESI 2022. In addition, **lack of cloud services** now refers to enterprises not buying at least one of the following cloud computing services: hosting of the enterprise's database, accounting software applications, CRM software, and computing power.

² The dashboards are available at https://ec.europa.eu/info/strategy/strategic-planning/strategic-foresight/2020-strategic-foresight-report/resilience-dashboards_en

³ COM(2020) 493 final (https://ec.europa.eu/info/sites/info/files/strategic_foresight_report_2020_1.pdf).

⁴ COM(2021) 740 final (https://ec.europa.eu/info/system/files/economy-finance/2022_european_semester_annual_sustainable_growth_survey.pdf).

⁵ COM(2022) 600 final (https://ec.europa.eu/info/system/files/2022_european_semester_spring_package_communication_en.pdf)

⁶ Cut off data for data download was fixed at 27/04/2022. Also data from OECD and WB was updated on this day.

⁷ <https://op.europa.eu/it/publication-detail/-/publication/be5268ba-3609-11ec-bd8e-01aa75ed71a1/language-en>

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In the **geopolitical dashboard**, the **employment gap (EU versus non-EU nationals)** and the **share of non-EU citizens in total employment** have been adjusted in terms of the age category considered, in alignment with the Country Reports.

Table 1 provides a detailed overview of all the changes in the resilience dashboards indicators and a brief motivation.

Table 1: Detailed list of changes in the resilience dashboard from the first version published in November 2021 to the latest version published in May 2022.

| Social and economic | | | | |
|---|--------|---|---|--|
| Area | Label | Indicator name | Change | Motivation |
| Inequalities and social impact of the transitions | SE_v01 | At risk of poverty or social exclusion rate (AROPE) | Change in the of the Eurostat source and data update | Table previously used no longer available; data update. |
| | SE_v02 | Income quintile share ratio S80/S20 | Data update | Availability of more recent Eurostat data release |
| | SE_v03 | Employment in energy-intensive sectors | Change of source from Eurostat(lfsa_egan22d) to Eurostat(nama_10_a64_e) and included the mining sector. | Alignment with the indicator in the Country Reports (CR) |
| | SE_v05 | Regional dispersion in household income | Exclusion of French outmost regions | Extreme values of the indicator for France |
| | SE_c01 | Impact of social transfers (other than pensions) on poverty reduction | Data update | Availability of more recent Eurostat data release |
| | SE_c02 | Household saving rate | Change from gross to net household saving, now including data from AMECO | Alignment with the indicator in the CR |
| | SE_c03 | Government expenditures on education, health, and social protection | Data update | Availability of more recent Eurostat data release |
| Health, education and work | SE_v07 | Self-reported unmet need for medical care | Data update | Availability of more recent Eurostat data release |
| | SE_v08 | Years of life lost due to PM2.5 | Data update | Availability of more recent EEA data release |
| | SE_v13 | Long-term unemployment rate | Change of age group from 20-64 to 15-74 | Alignment with the indicator in the CR |
| | SE_c07 | Children (< 3 years) in formal childcare | Data update | Availability of more recent Eurostat data release |
| | SE_c10 | Employment rate | Change of age group from 15-64 to 20-64 | Alignment with the indicator in the CR |
| Economic and financial stability and sustainability | SE_v16 | Degree of specialization of the economy | Data update | Availability of more recent Eurostat data release |
| | SE_c13 | Banking sector total capital ratio | Data update, change in the sub-selection in the source data | Availability of more recent ECB data release; simplification in data selection and calculation |
| | SE_c17 | Government investment to GDP ratio | Data update | Availability of more recent Eurostat data release |

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| Green | | | | |
|--|-------|--|--|--|
| Area | Label | Indicator name | Change | Motivation |
| Climate change mitigation and adaptation | G_v04 | Fossil fuel subsidies | Change in the source of data, more recent data included | Alignment with the indicator in the CR |
| | G_c06 | Environmental patents per capita | Inclusion of different patent class; changed source table from PAT_DEV to PATS_IPC, resulting also in change in name, rationale and definition | Alignment with the indicator in the CR |
| Sustainable use of resources | G_v09 | Energy used in ICT | Data update | Availability of more recent Eurostat data release |
| | G_c11 | Gross value added in environmental goods and services sector | Adjustment in definition, now data directly taken from Eurostat (env_ac_egss2) | Alignment with the indicator in the CR |
| Ecosystems, biodiversity and sustainable agriculture | G_v14 | Farm income variability | Data update | Availability of more recent AGRI data release |
| | G_c13 | Organic farming | Data update | Availability of more recent Eurostat data release |
| | G_c14 | Urban wastewater treatment | Data update, exclusion of data point for MT | Availability of more recent Eurostat data release, extreme values excluded (MT). |
| | G_c15 | Natura 2000 protected areas | Data update | Availability of more recent Eurostat data release |

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| Digital | | | | |
|----------------------------|-------|---|-------------------------------|---|
| Area | Label | Indicator name | Change | Motivation |
| Digital for personal space | D_v01 | Enterprises without ICT training programs | Change of source to DESI 2022 | Alignment with the indicator in the CR |
| | D_c02 | Advanced digital competence of adults | Change of name | To clearly identify the indicator |
| | D_c03 | Advanced digital competence of young people | Change of name | To clearly identify the indicator |
| Digital for industry | D_v04 | ICT trade deficit in goods | Data update | Availability of more recent WB data release |
| | D_v05 | ICT trade deficit in services | Data update | Availability of more recent WB data release |
| | D_v07 | Lack of cloud services | Change of source | Alignment with the indicator in the CR |
| | D_c08 | Investment per employee, high-technology sectors | Data update | Availability of more recent Eurostat data release |
| | D_c10 | Gross value added in ICT | Data update | Availability of more recent Eurostat data release |
| Digital for public space | D_v09 | Lack of 5G readiness | Change of source to DESI 2022 | Alignment with the indicator in the CR |
| | D_v10 | Lack of online public services for businesses | Change of source to DESI 2022 | Alignment with the indicator in the CR |
| | D_v11 | People not having access to digital public services | Change of source to DESI 2022 | Alignment with the indicator in the CR |

| Geopolitical | | | | |
|--------------------------------|--------|--|--|---|
| Area | Label | Indicator name | Change | Motivation |
| Raw material and energy supply | GP_v02 | Supplier concentration in base metals | Data update, refinement of the method | Availability of more recent Eurostat data release, review of the calculation method |
| | GP_v03 | Import dependence in energy materials | Data update | Availability of more recent Eurostat data release |
| | GP_v04 | Supplier concentration in energy carriers | Data update | Availability of more recent Eurostat data release |
| | GP_c02 | Supplier diversification for base metals, rate of change | Data update, refinement of the method | Availability of more recent Eurostat data release, review of the calculation method |
| | GP_c04 | Intra-EU trade in energy | Data update | Availability of more recent Eurostat data release |
| | GP_c05 | Supplier diversification for energy carriers, rate of change | Data update | Availability of more recent Eurostat data release |
| Value chains and trade | GP_v05 | Concentration of value chain partners | Data update, change of source to TIVA_2021 | Availability of OECD TIVA_2021 |
| | GP_v06 | Extra-EU import partner concentration | Removal of EU27 | EU27 data is not comparable with EU MS. |
| | GP_v07 | Extra-EU export partner concentration | Removal of EU27 | EU27 data is not comparable with EU MS. |
| | GP_c06 | Backward participation in GVC | Data update, change of source to TIVA_2021 | Availability of OECD TIVA_2021 |
| | GP_c07 | Forward participation in GVC | Data update, change of source to TIVA_2021 | Availability of OECD TIVA_2021 |
| Financial globalisation | GP_v08 | Inward FDI partner concentration | Data update | Availability of more recent OECD data release |
| | GP_v09 | Outward FDI partner concentration | Data update | Availability of more recent OECD data release |
| Security and demography | GP_v14 | Employment gap (EU versus non-EU nationals) | Change of age group from 15-64 to 20-64 | Alignment with the indicator in the CR |
| | GP_c12 | Military personnel per capita | Data update | Availability of more recent Eurostat data release |
| | GP_c14 | Share of non-EU citizens in total employment | Change of age group from 15-64 to 20-64 | Alignment with the indicator in the CR |