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Changes to content and format of UIS June 2022 Research and Development (R&D) data release

June 2022



This document summarizes changes to the presentation of Science, Technology and Innovation (STI) data and indicators in the UIS.Stat Data Centre (<http://data.uis.unesco.org>) and in the Bulk Data Download Service (BDDS) files (<https://apiportal.uis.unesco.org/bdds>) due to the UIS current focus on the production and dissemination of the UIS core indicators for STI that include SDG 9.5.1 and 9.5.2.

Table 1: New structure of UIS.Stat theme tree (<http://data.uis.unesco.org>)

| Main themes | March 2021 data release | June 2022 data release |
|---------------------------------------|---|--|
| Research and experimental development | Sustainable Development Goal 9.5 theme tree | No changes made to this theme tree: <ul style="list-style-type: none"> – 9.5.1: Research and development expenditure as a proportion of GDP (http://data.uis.unesco.org/index.aspx?queryid=3684). – 9.5.2: Researchers (in full-time equivalent) per million inhabitants (http://data.uis.unesco.org/index.aspx?queryid=3685). |
| | Human resources in research and development (R&D) theme tree - (including some duplicated SDG 9.5 indicators) | Theme tree removed; SDG indicators are presented in SDG 9.5 theme tree. |
| | Expenditure on research and development (R&D) - (including some duplicated SDG 9.5 indicators) | Theme tree removed; SDG indicators are presented in SDG 9.5 theme tree. |
| Innovation | Innovation theme tree | Theme tree removed. |
| UIS Data API | UIS API (https://apiportal.uis.unesco.org/legacy-tools) replaced by BDDS files: (https://apiportal.uis.unesco.org/bdds); SDG 9.5 indicators: (https://apimgmtstzgjpfeq2u763lag.blob.core.windows.net/content/MediaLibrary/bdds/SCI.zip). | |

**Table 2: Changes to list of indicators in UIS.Stat (<http://data.uis.unesco.org>)**

| Main themes | March 2021 data release | June 2022 data release |
|---------------------------------------|--|---|
| Research and experimental development | Sustainable Development Goal 9.5 indicators | No changes made to these indicators: <ul style="list-style-type: none"> – 9.5.1: Research and development expenditure as a proportion of GDP (http://data.uis.unesco.org/index.aspx?queryid=3684). – 9.5.2: Researchers (in full-time equivalent) per million inhabitants (http://data.uis.unesco.org/index.aspx?queryid=3685). |
| | Human resources in research and development (R&D): non-SDG indicators: <ul style="list-style-type: none"> – Total R&D personnel by sex, per million inhabitants, per thousand labour force, per thousand total employment (in full-time equivalents (FTE) and Headcounts (HC)). – R&D personnel by function (FTE and HC). – Total R&D personnel by sector of employment and sex (FTE and HC). – Researchers by sex, per million inhabitants, per thousand labour force, per thousand total employment (FTE and HC). – Researchers by sector of employment and sex (FTE and HC). – Researchers by formal qualification, sector of employment and sex (FTE and HC). – Researchers by field of R&D, sector of employment and sex (FTE and HC). – Researchers by age, sector of employment and sex (HC). – Researchers by seniority grade/level, sector of employment and sex (HC). – Technicians and equivalent staff by sex, per million inhabitants, per thousand labour force, per thousand total employment (FTE and HC). – Technicians and equivalent staff by sector of employment and sex (FTE and HC). – Other supporting staff by sex (FTE and HC) – Other supporting staff by sector of employment and sex (FTE and HC). | Removed from dissemination and archived in a BDDS file: https://apimgmtstzgjpfq2u763lag.blob.core.windows.net/content/MediaLibrary/bdds/SCIARCHIVE-MAR2021.zip . SDG indicators are presented in SDG 9.5 theme tree. |



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|------------|---|---|
| | <p>Expenditure on research and development (R&D): non-SDG indicators:</p> <ul style="list-style-type: none"> – Gross domestic expenditure on R&D (GERD), GERD as a percentage of GDP, GERD per capita and GERD per researcher. – GERD by source of funds and sector of performance. – GERD by field of R&D and sector of performance. – GERD by type of costs and sector of performance. – GERD by type of R&D activity and sector of performance. | <p>Removed from dissemination and archived in a BDDS file: https://apimgmtstzgjpfeq2u763lag.blob.core.windows.net/content/MediaLibrary/bdds/SCIARCHIVE-MAR2021.zip.</p> <p>SDG indicators are presented in SDG 9.5 theme tree.</p> |
| Innovation | Innovation indicators | <p>Removed from dissemination and archived in a BDDS file: https://apimgmtstzgjpfeq2u763lag.blob.core.windows.net/content/MediaLibrary/bdds/INNOARCHIVE-APR2017.zip.</p> |