SOUTH AFRICAN NATIONAL SURVEY OF RESEARCH AND EXPERIMENTAL DEVELOPMENT

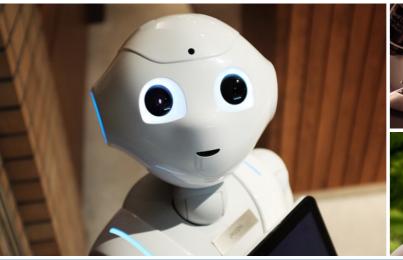
KEY SECTOR RESULTS AND TRENDS

BUSINESS SECTOR R&D AT A GLANCE

Business enterprise expenditure on R&D (BERD) represents the component of gross expenditure on R&D (GERD) incurred by enterprises or units in the private sector. R&D performance by South Africa's formal business sector impacts economic growth, GDP, technology development and competitiveness. This fact sheet shows that BERD is decreasing year-on-year. In the last periods surveyed, R&D spend by business decreased from R14.448 billion in 2018/19 to R10.704 billion in 2019/20. The business sector devoted the largest share of its R&D expenditure to the natural sciences, technology, and engineering fields (98.6%). A higher proportion of business R&D spend was devoted to applied research as compared to basic and experimental research.









FACT SHEET NO. 35



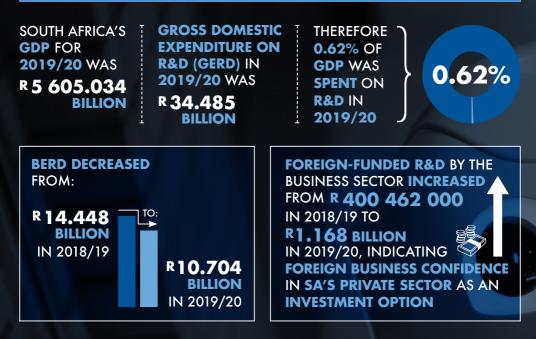
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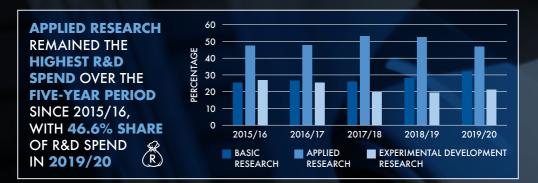
THE BIG PICTURE



BUSINESS SECTOR-FUNDED **R&D EXPENDITURE** WAS **20%** FOR THE PERIOD 2019/20. THIS HAS BEEN THE **AVERAGE PERCENTAGE EXPENDITURE** BY BUSINESS ON R&D **OVER THE FIVE-YEAR PERIOD SINCE 2015/16**



GERD BY TYPE OF RESEARCH



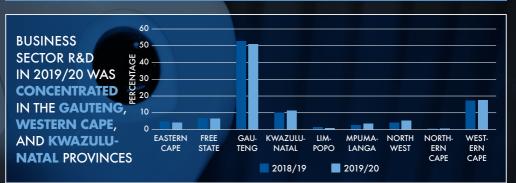
DIVISION OF RESEARCH FIELD

THE BUSINESS SECTOR DEVOTED THE LARGEST SHARE OF R&D **EXPENDITURE TO THE NATURAL** SCIENCES, TECHNOLOGY, AND **ENGINEERING FIELDS WHICH** WAS 98.6%

NATURAL SCIENCES, TECHNOLOGY & ENGINEERING 98.6%

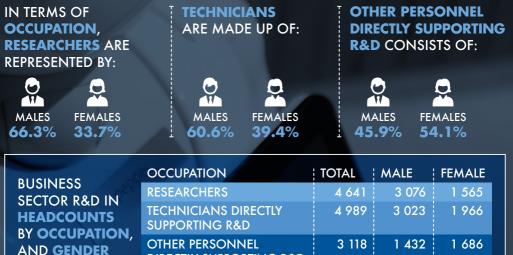
SOCIAL **SCIENCES &** HUMANITIES 1.4%

GEOGRAPHIC CONCENTRATION



R&D PERSONNEL

2019/20



12 748

7 531

5 217

DIRECTLY SUPPORTING R&D

TOTAL



BEHIND THE NUMBERS



The annual South African National Survey of Research and Experimental Development (R&D Survey) is conducted by the Centre for Science, Technology and Innovation Indicators (CeSTII) at the Human Sciences Research Council (HSRC), on behalf of the Department of Science and Innovation (DSI). R&D statistics are collected in terms of the Statistics Act No. 6 of 1999, and are quality assured by Statistics South Africa. Data collected through the Survey, and its historic data series, helps to inform decision-makers on investment planning, policy-making, advocacy, and research in South Africa. Data also adds to benchmarking and performance comparisons with our international counterparts.

Access previous survey reports: http://www.hsrc.ac.za/en/departments/CeSTii/reports-cestii



Data and analysis for this publication was prepared by Viwe Sigenu, Theodore Sass, Sintu Mavi, and Anele Slater.

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