



SOUTH AFRICAN NATIONAL SURVEY OF RESEARCH AND EXPERIMENTAL DEVELOPMENT

KEY SECTOR RESULTS AND TRENDS

NOT-FOR-PROFIT SECTOR R&D AT A GLANCE

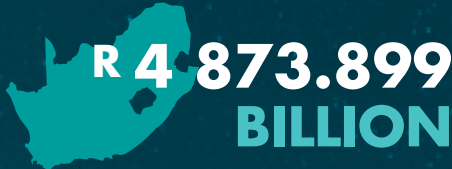
South Africa's not-for-profit organisations perform R&D critical to the needs of civil society. This fact sheet shows that NPO R&D expenditure, in 2018/19, was largely concentrated within health research: more than 75% of total R&D investment was focussed on diseases such as TB, HIV/AIDS, and malaria. Over 60% of NPO R&D was funded by foreign donors, a year-on-year decline from the 71.2% reported in 2017/18. Approximately 70% of all R&D personnel in NPOs were women in 2018/19.

FACT SHEET NO. 29

THE BIG PICTURE



THE VALUE OF **SOUTH AFRICA'S GROSS DOMESTIC PRODUCT (GDP)** IN 2018/19



THE SHARE OF **GDP SPENT ON R&D**



SOUTH AFRICA'S **ANNUAL R&D SPEND** HAS INCREASED OVER THE PAST DECADE:

**R 20.955
BILLION**
IN 2009/10

**R 36.784
BILLION**
IN 2018/19

THE NOT-FOR-PROFIT SECTOR'S **SHARE OF THE COUNTRY'S TOTAL R&D SPEND** INCREASED FROM:

0.9%
IN 2009/10



4.0%
IN 2018/19

SOURCES OF R&D FUNDING



SOUTH AFRICAN **NPO R&D** IS **LARGELY FOREIGN-FUNDED:**

TOTAL FUNDING BREAKDOWN:

FOREIGN FUNDS
60.5%

OWN FUNDS
15.6%



OTHER LOCAL SOURCES **4.5%**

BUSINESS SOURCES **4.8%**

GOVERNMENT SOURCES **14.6%**

BETWEEN 2009/10 AND 2018/19, **INVESTMENT BY FOREIGN FUNDERS** WAS BY FAR THE **LARGEST CONTRIBUTOR** TO TOTAL NPO R&D FUNDING



R&D SPENDING PATTERNS



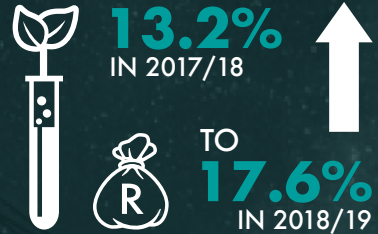
THE GREATEST SHARE OF NPO R&D INVESTMENT WAS IN THE MEDICAL AND HEALTH SCIENCES



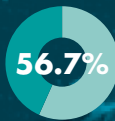
SPECIFICALLY, R&D ON TUBERCULOSIS (TB), HIV/AIDS AND MALARIA 75.3%



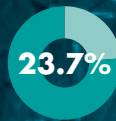
NPO R&D EXPENDITURE IN BIOTECHNOLOGY INCREASED FROM



BREAKDOWN OF NPO SECTOR R&D SPEND BY TYPE OF RESEARCH:



APPLIED RESEARCH



EXPERIMENTAL DEVELOPMENT RESEARCH



BASIC RESEARCH

R&D PERSONNEL



WOMEN MADE UP 70.1% (1359) OF THE TOTAL R&D WORKFORCE IN NPOs:



62

DOCTORAL DEGREE

491

MASTER'S, HONOURS OR BACHELOR'S DEGREE

806

DIPLOMA

R&D PERSONNEL BY OCCUPATION



MALE
38.9%



FEMALE
61.1%



MALE
27.4%



FEMALE
72.6%



MALE
27.1%



FEMALE
72.9%

RESEARCHERS

TECHNICIANS

OTHER PERSONNEL



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>
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