***Country***

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**Cooperating organizations**

* The Department of Science and Technology(DST) coordinates and implements the GLOBE Programme.
* The Provincial Departments of Education facilitate the DST’s access to the schools.
* Mondi Group, a forestry company collaborated with the DST to introduce the GLOBE programme to the schools where Mondi is rendering corporate social responsibility programmes.

**Participating schools**

There are at least 80 GLOBE schools in South Africa. About 36 schools were trained in 2014. Many of the schools are not active due to declined interest from the educators.

**Funding by**

The Department of Science and Technology

**GLOBE protocols used in country**

* Atmosphere: air temperature, cloud observations, precipitations and relative humidity.
* Earth as a system: green up/ green down
* Landcover: biometrics trees, vegetation covers
* Hydrology: pH of the water; water temperature, water quality, alkalinity
* Soil: soil temperature, soil type

**Number of schools currently reporting data (2014)**

Only two schools reported data during 2014.

**Description of the program in your country and recent activities in 2014**

The DST is involved in the development of Science Engineering and Technology (SET) human capital. The intention is to produce researchers and innovators to help the country meet its socio-economic challenges and achieve global competitiveness. The GLOBE programme was therefore designed to support the SET human capital development by stimulating learner’s interests in research as a career. The GLOBE programme is also used to create learners’ understanding of their natural environment, which is one of the objectives of the broad science engagement programmes led by the DST.

In South Africa the GLOBE programme under the auspice of the DST is therefore opened to learners in secondary schools that are following science streams. The programme is also opened for learners in lower grades with the intention of attracting them to science streams when their time to choose streams comes.

GLOBE learners are encouraged to begin with simple observations and recording of day to day environmental measurements. With mentoring from the educators, learners are expected to grow in the programme and reach a stage where they conceptualise their own research projects relevant to their locality and aligned to the GLOBE protocols of their choices.

**2014 activities**

* 36 schools trained in 2014.
* GPS units, Stevenson screens and thermometers purchased.
* Two schools presented four research projects at 2014 GLE.
* The South African Agency for Science and Technology Advancement appointed to assist the DST with the implementation of the GLOBE programme.

**Challenges**

* Internet connectivity poses challenges to many schools hence no reports from schools
* Educators are not dedicated to the GLOBE programme citing work overload.