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Development Through Knowledge

A close-up photograph of a smiling woman with dark skin and braided hair. She is wearing a colorful patterned shawl and is holding a baby in a blue and red patterned sling. The background is slightly blurred, showing what appears to be an outdoor setting with a wooden structure.

**Africa Institute of
South Africa (AISA)**



Strengthening the Science Business Society Dialogue in the SADC Region: Youth & Gender Perspective

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**Africa Institute
of South Africa**

Development Through Knowledge

Introduction

SADC at a Glance

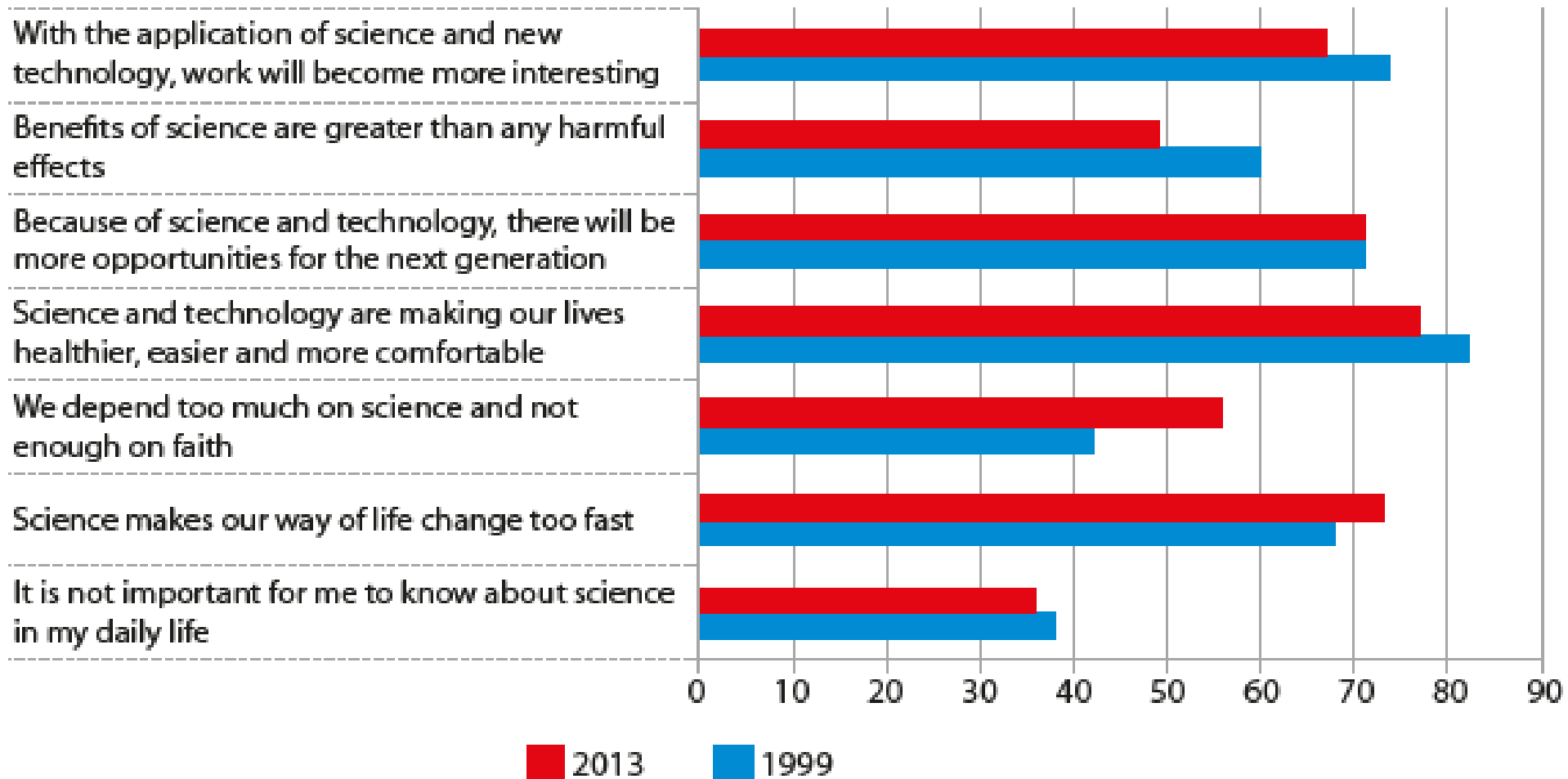
- Population – 277 million
- Trade - Almost quadrupled between 2000 and 2011 from US\$ 91089.52 million in 2000 to US\$ 353636.4 million in 2011.
- Export – APEC (45%); EU (27%); World (15%); SADC (10%); Africa (3%).
- Labour Market - The lowest % of women participating is in Mauritius; South Africa and Namibia. The highest % of participation for both female and male is in Tanzania, (86% and 93% respectively).
- Gender Parity - Proportion of males and females who are employers rather than employees, female % lower than males in all SADC countries.

SADC R&D

- The **Education and Skills Development Sector** in the SADC region faces numerous trials – Brain drain; Poverty; Inequality; Skill Mismatch; etc.
- **Regional Indicative Strategic Development Plan** (RISDP) and SADC's STI protocol – collaboration; institute co-ordination; meaningful participation & pool resources, etc.
- Only 3% of SADC papers during 2005–2008 were jointly authored by researchers from two or more SADC countries,
- Continental collaboration - 5% of SADC papers were jointly authored with researchers from African countries outside the SADC (continental collaboration).
- In contrast to 47% of SADC papers co-authored with scientists from high-income countries.

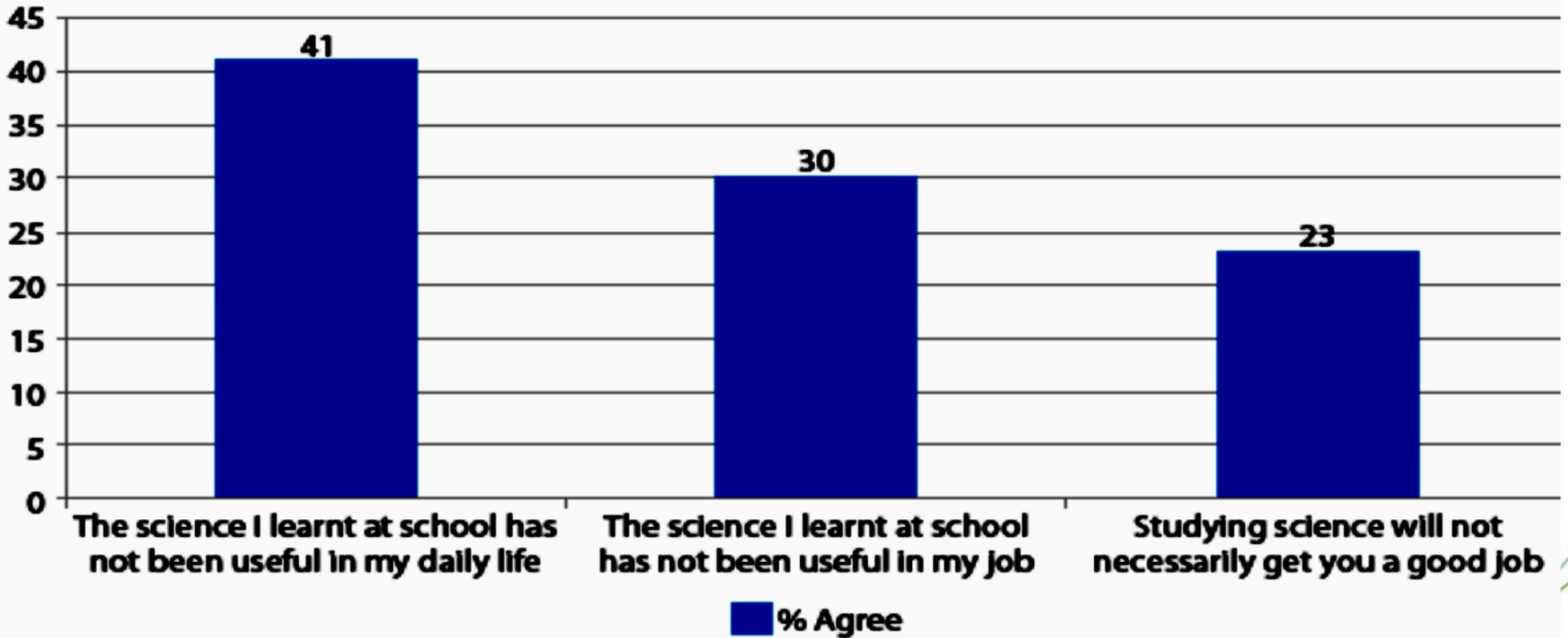
TIMSS – SA

South African attitudes towards science (1999 and 2013)



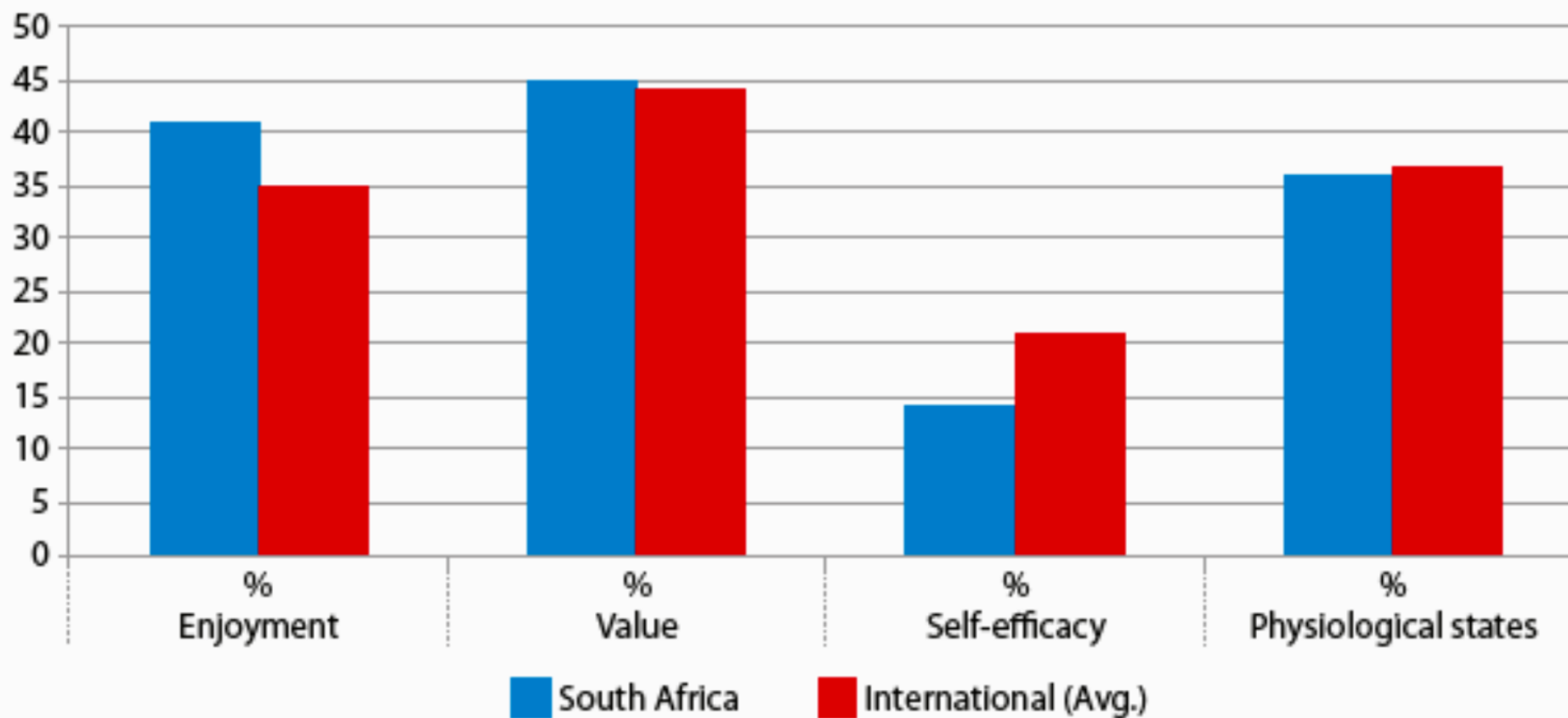
TIMSS - SA

South African attitudes towards the science learnt at school (2013)



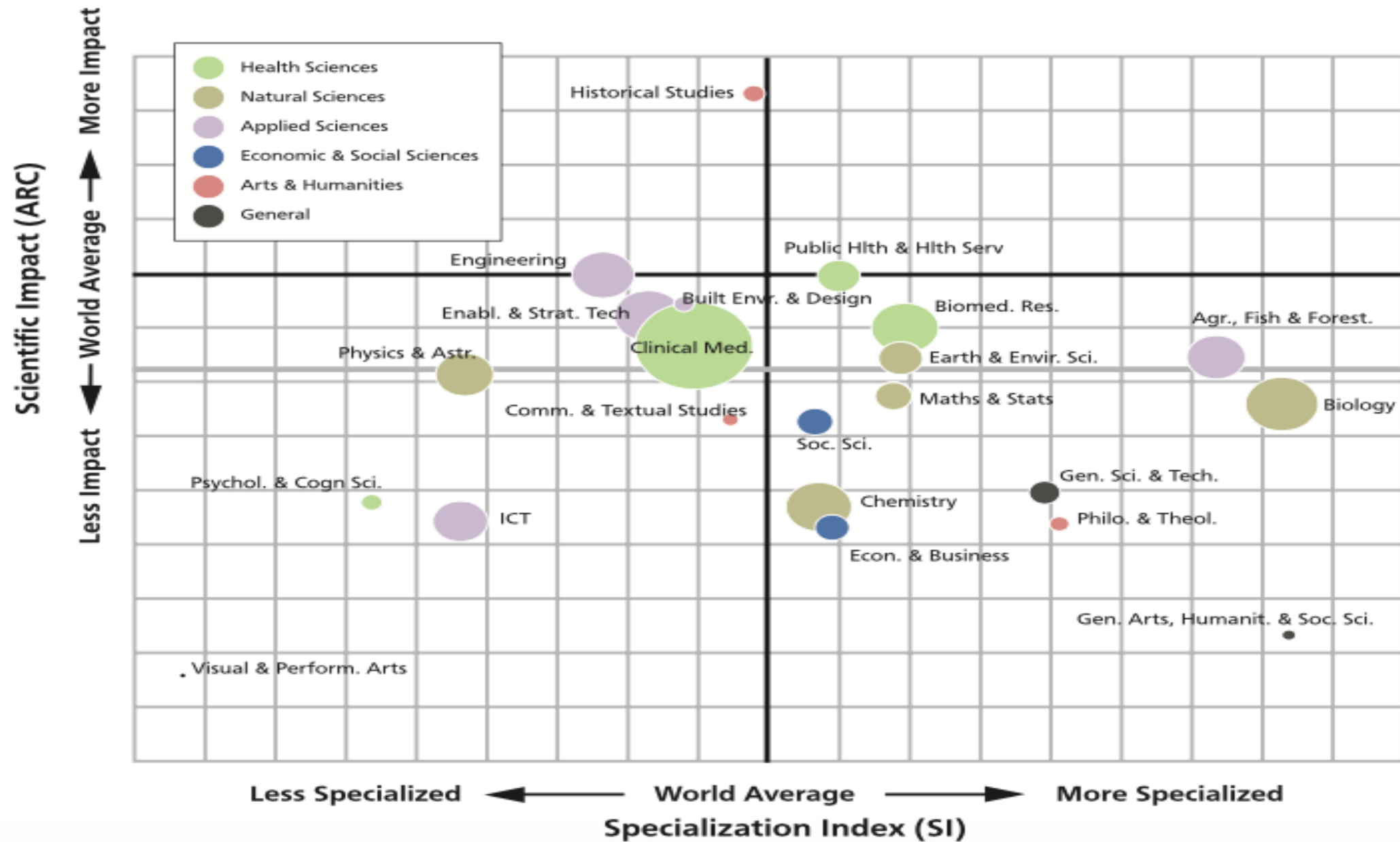
TIMSS - SA

Percentage of students exhibiting positive attitudes towards science (2011)

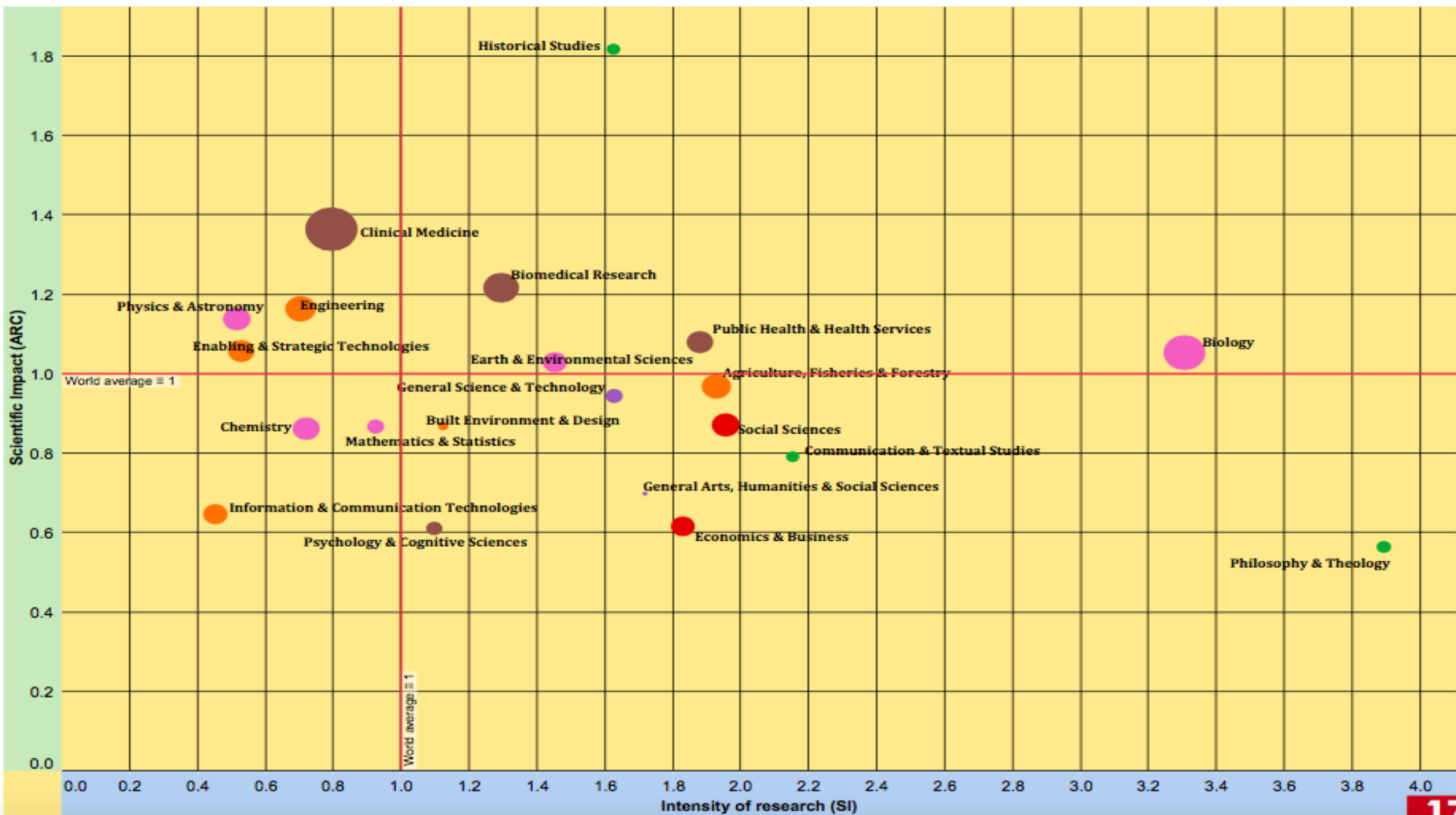


Source: Derived from the TIMSS 2011 database

Positional analysis of the AU by scientific field, 2005–2010



Southern African Development Community



Recommendations

- Cultural intelligence and Take regional advantage
- A system governed by Africans in Africa (SADC in this case) is needed to provide a sustainable funding mechanism that would encourage African scientists to collaborate on common STI concerns, share expertise, and build capacity.
- Strengthening alumni objectives?
- Innovate education system?
- Role of Science Human Capital?