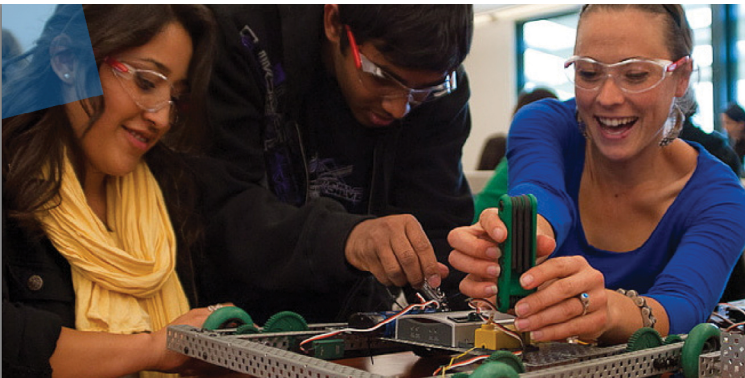


Activities

1. Inventory and gap analysis of existing statistics and indicators for gender in STEM, mapping them to policy needs.
2. Inventory and gap analysis of STEM policy instruments aimed at gender equality in STEM.
3. Workshop to identify appropriate methodological approaches on surveying STEM policy instruments and producing Gender in STEM indicators (Montreal, 1-2 September 2015), with the participation of the Advisory Committee, formed by experts in gender in STEM, STI policies and STI indicators.
4. Detailed development of methodological proposals, including classifications and survey design.
5. In selected pilot countries:
 - a. Training and capacity-building for national SAGA teams;
 - b. Application of the methodologies developed, through two different surveys:
 - i. Gender in STEM statistics, and
 - ii. STEM policy instruments towards gender equality.
6. Data from pilot country questionnaires will be analysed, incorporated in the UIS database and UNESCO's Global Observatory on Science, Technology and Innovation Policy Instruments (GO-SPIN), and results evaluated.
7. Workshop to discuss the findings of the pilot country activities, with the Advisory Committee.
8. Drafting and publication of a Technical Paper containing methodological proposals and best practices.



Pilot countries

A selected number of countries from all regions in the world will be chosen to test and implement the pilot surveys using the methodologies developed by SAGA, benefitting from capacity-building activities delivered to National SAGA Teams, and from early-on data collection.

Capacity building activities will be hosted by national governments through their national agency responsible for science and technology, with technical and methodological support provided by the Steering Committee, the broader UNESCO team members around the world, and the Advisory Committee. By participating in SAGA, the chosen pilot countries will have enhanced tools to measure the status of women and girls in science in the country, using new methodologies and tested indicators on gender equality in STEM.

Governance

This project is implemented by UNESCO, through a technical team of professionals.

- **SAGA Steering Committee (SC)**
The SC is the internal UNESCO team for management and oversight of the project. It is a technical committee composed of UNESCO specialists in relevant subjects.
- **SAGA Advisory Committee (AC)**
The SC will be supported by an AC, composed of selected senior international experts in STI policy, indicators and gender equality. The AC will provide strategic input and advice towards the achievement of the objectives, as well as help to ensure that the results are shared widely.



SAGA

(STEM and Gender Advancement)

Improved Measurement
of Gender Equality
in science, technology,
engineering and mathematics

A Global UNESCO project,
with the support of Sida

Contact us at
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Introduction

The United Nations Secretary-General's Scientific Advisory Board recently stated that ***“without reducing inequality, effective family planning, and empowering women it will be close to impossible to deal with any of the challenges – economic, environmental, social – that the world faces today.”***

Currently, a large imbalance can be observed in the participation of women in science, technology, engineering and mathematics (STEM), compared with the participation of men, in particular at the more advanced career levels. There are various possible explanations for this gender imbalance, and a large amount of anecdotal evidence, but solid information is still lacking.

This **gender imbalance in STEM** is partly a consequence of long-term implicit or explicit policies and policy instruments put in place at various levels, inside and outside the science and technology system (government, funding agencies, higher education institutions, research centres, inter alia), which have frequently neglected the gender dimension.

The **lack of data and indicators**, and of available analytical studies, can obstruct the design, monitoring and evaluation of policies aimed at gender equality in STEM. **Effective STEM policies need to be evidence-based** and hence supported by relevant statistics and indicators. There is urgent need to define and collect more policy-relevant indicators on all aspects of the role of women in STEM, and to address new issues.

The identification of **good practices for designing public policies to promote gender equality** is a priority for sound STEM policy making, with the global community poised to adopt the Sustainable Development Goals, including one on gender equality, this year. Only limited attempts have been made to date to create an inventory of STEM policy instruments that promote gender equality or have differentiated gender impact.

SAGA, a global UNESCO project supported by the Government of Sweden through the Swedish International Development Cooperation Agency (Sida), responds to these challenges by collecting and disseminating best practices in enhancing women's participation in STEM, as well as generating new and improved indicators to support evidence-based policy-making in Member States.



Photo Credit: UN Women/Gaganjit Singh

Objectives

- The general objective of SAGA is to contribute to reducing the gender gap in STEM fields in all countries at all levels of education and research, by determining, measuring and assessing sex-disaggregated data, as well as undertaking an inventory of policy instruments that affect gender equality in STEM.
- Furthermore, SAGA aims to analyse how policies affect the gender balance in STEM, develop new and better indicators to provide tools for evidence-based policy-making, build capacity in Member States for data collection on gender in STEM, as well as prepare methodological documents to support the collection of statistics.



Outputs /results

