

The **SARUA Programme for Climate Change Capacity Development (PCCCD)** is a multi-year programme contributing to the revitalisation of higher education in the SADC region through collaborative research, teaching and community engagement which responds directly to southern Africa's high vulnerability to climate change. It provides a platform for regional universities to strengthen their capabilities to address climate change, together with other knowledge partners.

The **SARUA Curriculum Innovation Network (SCIN)** connects universities with external stakeholders and contributing individuals to strengthen curriculum innovation across the SADC region through the development of an Open Access Master's curriculum and courseware in climate change and sustainable development.

SARUA welcomes partnerships to strengthen the PCCCD, either through programme funding, network participation, sponsorship of events, or in-kind support.

ABOUT SARUA

SARUA is a Vice-Chancellor-level membership organisation which represents the leadership of public and private universities in the Southern African Development Community (SADC) region. SARUA's purpose is:

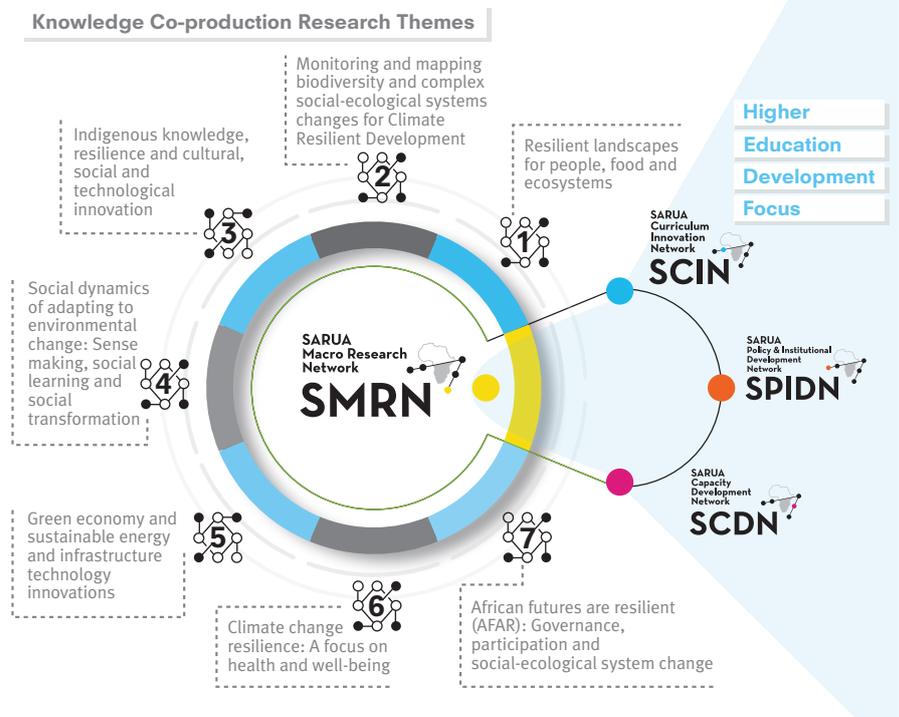
- To promote, strengthen and increase higher education, training and research through institutional collaboration and capacity-building initiatives across the SADC region; and
- To promote SADC universities as major contributors towards national and regional socio-economic development.

SARUA has an eight year track record of implementing programmes based on four activity types: **(a)** Thought leadership, **(b)** Purposeful engagement, **(c)** Capacity building support and **(d)** Advocacy and influence within the higher education sector. SARUA's mission directly responds to the SADC Protocol on Education & Training (2000).

PCCCD Network Design

As part of the Programme for Climate Change Capacity Development (PCCCD), SARUA has identified four potential regional collaborative university networks to develop:

- Macro Research Network:** comprising up to seven transdisciplinary research clusters, to collaboratively produce new climate change knowledge relevant to the region;
- Curriculum Innovation Network:** to develop shared curricula and courseware at a Master's degree level for SADC-wide use, with an emphasis on the inter-disciplinary study of climate change issues;
- Capacity Development Network:** to build human capacity within SADC universities related to teaching and learning, research, community engagement and institutional management;
- Policy and Institutional Development Network:** to strengthen institutional leadership and networks in order to better inform and influence regional climate change policy.



A regional Master's curriculum in climate change and sustainable development

The SARUA Curriculum Innovation Network (SCIN) is the first PCCCD network to be established. It was launched in June 2015 and in 2016 is developing a Master's degree curriculum and courseware in climate change and sustainable development. The curriculum and courseware will be published regionally on an Open Access basis for participating universities and stakeholders to engage with and contribute to. Curriculum Capacity Development workshops are being held in 2016 to build capacity at universities who wish to customise and deliver the Master's programme

at individual university level. The curriculum is being developed by a University Delivery Consortium comprising specialists from seven SADC universities, representing five countries in the region. Interested parties can participate in the network via multiple avenues. Participation can range from sharing in news updates and information exchange, to being part of a voluntary Peer Review Group (PRG), which reviews drafts of the curriculum and courseware as it is being developed.

The curriculum comprises three initial core and four initial elective modules:

CORE MODULES

Core 1: Key Concepts of Climate Change and Sustainable Development

Core 2: Transdisciplinary Thinking and Skills

Core 3: Mitigation and Adaptation in Theory and Practice

ELECTIVE MODULES

Elective 1: Agriculture, Food Security and Climate Change

Elective 2: Climate Change and Ecosystem Services

Elective 3: Climate Change and Resilient Urban Development

Elective 4: Climate Change and Social Justice

Research Project

SCIN will publish a module development toolkit and establish a publishing platform in 2016 whereby additional modules can be contributed to the curriculum.

CATEGORIES OF SCIN PARTICIPATION

1 University Delivery Consortium

Consortium of SADC universities, responsible for developing the shared Master's curriculum and courseware:

- Open University of Tanzania (TZ)
- Rhodes University (ZA)
- Sokoine University of Agriculture (TZ)
- Universidade Eduardo Mondlane (MZ)
- University of Cape Town (ZA)
- University of Mauritius (MU)
- University of Namibia (NA)

2 Participating Universities

SADC universities, faculties, schools and centres who wish to use and/or customise the curriculum and courseware, or contribute resources to assist SARUA and the delivery consortium

3 External Stakeholders

Government, non-profit and private sector stakeholders, including international universities who wish to participate in the SCIN and to exchange information on climate change in tertiary education

4 Individual Contributors

Individual researchers, academics and subject matter experts with a specific interest in climate change and tertiary education curriculum design, who wish to contribute to and benefit from the network

Participation gives voluntary access to a formalised peer review process, to review drafts of curriculum and courseware

Principles guiding the SCIN



- **Inter- and transdisciplinarity:** An emphasis on inter- and transdisciplinary approaches to teaching and learning; while recognising the importance of disciplinary contributions to inter-disciplinarity



- **Relevance:** Responding to and guided by regional climate change and development concerns, policy questions and research in SADC



- **New knowledge:** Emphasis on research-informed curriculum development



- **Innovation:** New approaches to thinking included in the curriculum, including integration of different types and forms of knowledge

Delivery partners

SARUA, as the representative body of SADC Vice-Chancellors, is responsible for the overall quality control of the Master's curriculum and courseware to be developed. A SARUA Curriculum Innovation Working Group (CIWG), selected from member universities, and a voluntary Peer Review Group (PRG) review all outputs as being developed.

The development of the Master's curriculum and courseware is funded by the **Climate and Development Knowledge Network (CDKN)**. CDKN supports decision-makers in developing countries in designing and delivering climate compatible development. It does this by combining research, advisory services and knowledge sharing in support of locally owned and managed policy processes.

The technical delivery partner coordinating the SARUA Curriculum Innovation Network is **Higher Education Management Africa (HEMA)**, a specialist higher education practice with experience in international comparative and Africa-wide higher education studies, programme management, and performance measurement reviews in the context of development in Africa.

The curriculum and courseware development is coordinated by the **African Climate and Development Initiative (ACDI)** at the University of Cape Town, with curriculum capacity development workshops designed and facilitated by the **Centre for Innovation in Learning and Teaching (CILT)** at the University of Cape Town.

Registration

Registration to participate in the SARUA Curriculum Innovation Network:

www.surveymonkey.com/s/scinregistration

Registration to become a member of the Peer Review Group (after SCIN registration):

www.surveymonkey.com/r/scin-prg

Mapping study

In 2013 SARUA led 12 in-country workshops to learn directly from governments, universities and other stakeholders about their national climate change challenges and how universities are responding to the knowledge gaps.

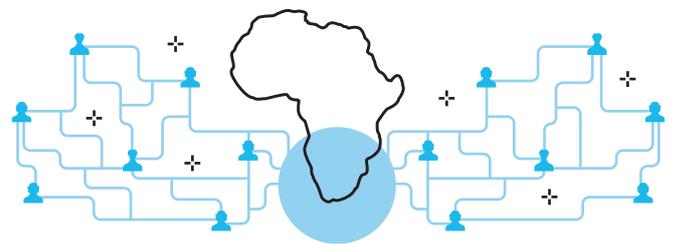
The *Climate Change Counts* mapping study results were published in two volumes and are available from www.sarua.org:

- **Volume 1:** Regional Knowledge Co-Production Framework (available in English, French and Portuguese)
- **Volume 2:** Country Reports (Angola, Botswana, Malawi, Mauritius, Mozambique, Namibia, Seychelles, South Africa, Swaziland, Tanzania, Zambia, Zimbabwe)

climate change counts

Curriculum Capacity Development workshops

To assist universities and lecturers who wish to customise and offer the Master's programme, regional curriculum implementation and capacity development workshops are included in the process. These workshops bring together interested academics with the SCIN curriculum development team and teaching and learning experts, to share knowledge on curriculum innovation and how to implement the curriculum in different contexts.



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