

# Enhancing the Knowledge Economy in SADC's water sector: SASSCAL's new Graduate Studies Programme in Integrated Water Resources Management (SGSP – IWRM)

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## REGIONAL NEEDS IN IWRM

(SASSCAL Survey 2017/17)

- Adequate human resources in water sciences in SASSCAL countries and SADC
- Human and technical capacities for integrated, transdisciplinary and cross-sectoral approaches in transboundary river basin management
- Demand for innovative management and decision support systems



## WHY SASSCAL – SGSP in INTEGRATED WATER RESOURCES MANAGEMENT (IWRM)

- IWRM: "A process which promotes the coordinated development and management of water, land and related resources, in order to maximize the resultant economic and social welfare in an equitable manner without compromising the sustainability of vital ecosystems" (GWP, 2011).
- Application of knowledge from various disciplines and insights from diverse stakeholders to plan and implement efficient, equitable and sustainable solutions to water and development problems in SASSCAL members countries.

## GOALS OF THE PROGRAMME

- An innovative and excellent regional collaborative PhD Education programme in IWRM established at NUST
- Tailor-made short courses developed for decision makers and industry
- New Curriculum for a new regional PhD qualification in IWRM developed and hosted by NUST

## THEMATIC AREAS

Focus on **Integrated Sustainable Water Security** with emphasis on:

- Quantity
- Quality
- Reliability

## PARTNERS

### Implementing Partner (Host)

Namibia University of Science and Technology

### Strategic partner

International Centre for Water Resources and Global Change

### Regional partners

Universities and other institutional partners in the region



SASSCAL/NUST IWRM Graduate Stakeholder Workshop Group, 21 May 2019, Windhoek.

## SASSCAL

- Initiative of Angola, Botswana, Namibia, South Africa, Zambia and Germany in response to the challenges of Global Change.
- Focuses on Research Management, Capacity Development and Provision of Science Services.



## IMPLEMENTATION

- 2021 - 2024 with 15 PhD candidates from member countries enrolled at NUST.
  - Thesis, common and technical block courses and research mobility to Germany required for successful completion of studies.
- Work Packages to be developed on Programme Development, Capacity Development, Research Development, Short Courses Development, new IWRM Qualification and Curriculum Development
- Academic and Scientific Committee (ASC) to develop research programme (membership from SASSCAL, NUST, ICWRGC, WaterNet and SASSCAL member countries).

