



Linköpings universitet

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Report

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# University of Rwanda

- Part of the bilateral programme *UR-Sweden Programme for Research, Higher Education and Institutional Advancement*
- Funded by Sida = The Swedish International Development Cooperation Agency
- Agreement 1 July 2013 – 30 June 2018
- Total budget: 350 million SEK = 37 million Euro
- Mathematics budget: 32 million SEK = 3,4 million Euro (9%)
- Collaboration between UR, LiU, SU

# University of Rwanda

## **Main activities 2014-2015**

- Continued supervision of 4 PhD students
  - 2 Licentiate degrees, 2 PhD degrees
- Recruitment of 2 new PhD students
- Curriculum development of PhD programme
- Recruitment of 2 postdocs
- Support to conference attendance
- Teaching of 5 MSc courses
- Supervision of MSc theses
- 3<sup>rd</sup> International Modeling Week in Rwanda
- Development of MSc programme in statistics
- Workshops on MSc supervision, writing skills for MSc students, e-resources

# New Collaboration in East Africa

## **Makerere University, Uganda**

- Agreement 1 July 2015 – 30 June 2020
- Total budget: 275 million SEK = 29,5 million Euro
- Mathematics budget: 39 million SEK = 4,2 million Euro (16%)
- Collaboration between Makerere University, 5 public universities in Uganda, KTH, LiU, MdH, SU, UU
- Emphasis on pure mathematics

# New Collaboration in East Africa

## **University of Dar es Salaam**

- Agreement 1 July 2015 – 30 June 2020
- Total budget: 150 million SEK = 16 million Euro
- Mathematics budget: 10 million SEK = 1,1 million Euro (7%)
- Collaboration between University of Dar es Salaam, KTH, LiU, MdH, SU, UU
- Emphasis on pure mathematics

# Other Collaboration

- 7 PhD students with ISP funding
  - 1 AAU (new), 2 Makerere, 2 UDSM, 1 UR, 1 University of Zambia
  - 1 Licentiate degree and 1 PhD degree (same student)
- Linnaeus-Palme project with University of Nairobi
  - Student and teacher exchange in mathematics and social sciences
- MoU with AIMS-Tanzania
  - Master's training, further education for teachers, outreach activities
- Collaboration with National Mathematical Centre, Abuja, Nigeria
  - Project on the marine highway project for 2 staff members of the The Nigerian Maritime Administration and Safety Agency
- Discussions with University of Brasilia about
  - Collaboration with the Centre for Mathematics and Physics

# Characteristics of bilateral programmes

- Very **long-term support**
- Strong emphasis on
  - **Ownership** in recipient country, which formulates the problems and suggest solutions
  - **Partnership** between Swedish universities and university in recipient country
  - **Sustainable solutions** to problems in recipient country
- **Capacity building** on
  - **Individual level**: MSc and PhD training, postdoctoral fellowships etc.
  - **Organisational level**: Training of staff members, development of programmes, development of research environments etc.
  - **Institutional level**: Support to administration, infrastructure (ICT, library etc.), university management etc.
- Training
  - Training of staff members to the doctoral level in the **sandwich mode** to avoid brain drain
  - Open calls for PhD and postdoctoral fellowships for **competition and transparency**
  - **Gender sensitive** training

# Characteristics of bilateral programmes

- Focus on **local capacity building** by training on MSc and PhD level:
  - Development of local programmes
  - Knowledge transfer through involvement of local staff including PhD students in teaching
  - Local PhD supervisors
  - Training and mentorship of supervisors
- Focus on **development of conducive research environments**:
  - Postdoctoral fellowships
  - Arrangement of conferences/schools/workshops
  - Support to conference participation
  - Research groups in selected research areas
- Focus on **regional collaboration** building on existing networks:
  - Regional conferences/schools/workshops
  - Regional research groups
  - Regional programme
  - Joint curriculum development
  - Sharing of human and other resources