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UNIVERSITET

INTERNATIONAL SCIENCE PROGRAMME ISP

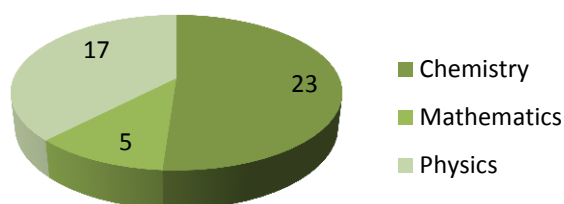
Activities and achievements in 2011

The International Science Programme (ISP), at Uppsala University, Sweden, assists low-income countries to build and strengthen their domestic research capacity and postgraduate education in the basic sciences chemistry, mathematics and physics. ISP aims to contribute to the growth of scientific knowledge in low-income countries, by engaging in long term collaboration with institutionally based research groups and regional scientific networks in Africa, Asia and Latin America. The main funding of ISP is from the Swedish International Development Cooperation Agency (Sida). In 2011, the Faculty of Science at Stockholm University provided additional support, in the first year of a five-year agreement signed in 2010. This is a summary of the achievements of ISP and supported activities in 2011.

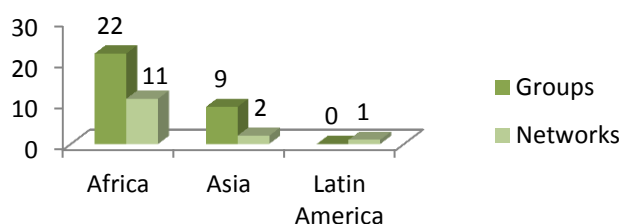
SUPPORTED ACTIVITIES

In 2011, ISP provided support to 31 research groups and 14 regional networks. The supported groups are located in ten countries in Asia and Africa; Bangladesh, Burkina Faso, Cambodia, Ethiopia, Kenya, Laos, Mali, Uganda, Zambia, and Zimbabwe. Supported regional networks are coordinated from countries in Asia, Africa and Latin America. Groups and networks together utilized about 19 million SEK.

Number of supported groups and networks by program



Number of supported groups and networks by region

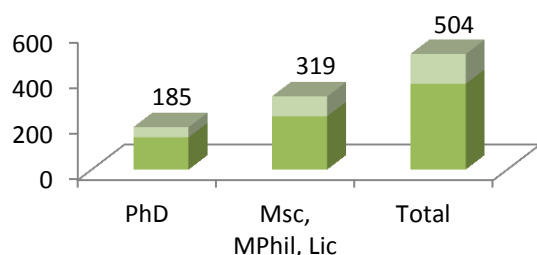


NUMBER OF STUDENTS

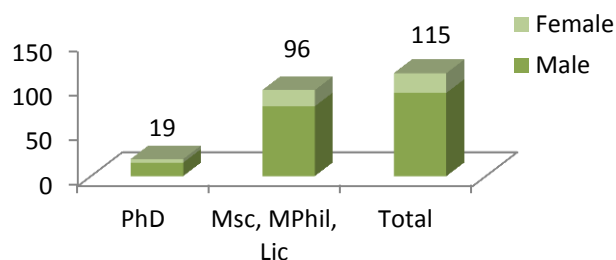
Registered. In 2011, 504 postgraduate students were reported as active in ISP supported groups and networks, 185 students on the PhD level (24% female) and 319 students on the MSc, MPhil or Licentiate level (27% female). About half of the PhD students (54%) and 12% of the other postgraduate degree students were trained on a sandwich basis, spending part of their research training at home and part at a host university abroad. The remaining students pursued their postgraduate studies in local programs at universities in their home countries.

Graduated. Supported groups and networks graduated 115 students during the year, 19 PhD students (21% female), and 96 MSc, MPhil and Licentiate students (19% female).

Number of registered students



Number of graduated students





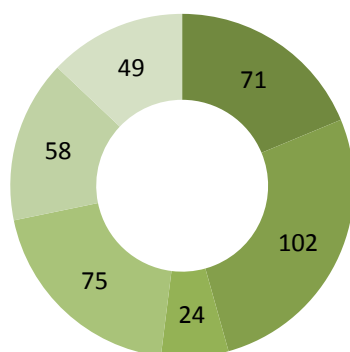
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DISSEMINATION

In 2011, the supported groups and networks published 173 papers in international journals out of which 41% were in high impact journals, listed with Thomson Reuter (TR) impact factors. Group and network members gave 182 conference contributions out of which 82 were in Africa, 96 in Asia, and four in the Americas. They arranged 45 scientific meetings.

Number of publications



- International journals TR impact
- International journals TR unlisted
- Books, chapters, popular publications etc.
- International conference contributions
- Regional conference contributions
- National conference contributions

EXAMPLES OF RESEARCH FINDINGS AND POLICY INFLUENCE

Kenya. The Institute of Nuclear Science and Technology, University of Nairobi, has been active in training medical support personnel from the Ministry of Health Hospitals that completed a Diploma course in Nuclear Science. The group has also been engaged by the Ministry of Nairobi Metropolitan Development for assessing air quality in Nairobi Metropolitan area.

Laos. Analysis of organochlorine pesticide residues in fruits and vegetables was done with a new method developed together with a Japanese internship student from Toyohashi University of Technology. The target pesticides were DDT and its metabolites (DDD and DDE).

Burkina Faso. The regional center CRSBAN in Burkina Faso, part of the ISP supported West African Biotechnology Network (RABiotech), has been selected to assist people dealing with street foods in big cities in the country. The center has also been selected as an expert in the National Program of Biogas Production for Rural Areas.

ADDITIONAL ASSIGNMENTS AND ACTIVITIES IN 2011

The collaboration with Sida in 2011 has included coordination assignments in bilateral programs for development of scientific research and higher education in Ethiopia, Mozambique, Tanzania, and Uganda, and – for a final year – in a regional program in Central America (students remaining to be supported by ISP until graduation). The assignment in Mozambique was expanded to comprise coordination of the full program on the Swedish side.

ISP celebrated its 50th Anniversary in September 2011, with a seminar that attracted about 200 participants from Sweden and abroad.

A one-year agreement between Al Baha University (ABU), Saudi Arabia and Uppsala University, ISP, was signed in 2011, with the aim to strengthen the academic staff and the higher education programs in sciences and related fields at ABU.

In 2011, ISP signed a three-year agreement with the National Mathematical Centre (NMC), Abuja, Nigeria, with the objective to develop academic links and promoting the exchange of postgraduate students.

