



INDUSTRIAL RESEARCH AND CONSULTANCY CENTRE

overview



Organizational structure

Budget

Human resource

Specialization

On-going programs

Collaboration

Future plan

IRCC HISTORY

Established 1965
with help from
UNDIO

National non-
commercial
Centre

2002-2010
affiliated to
Ministry of
Science &
Technology

Affiliated to
Ministry of
Industry 2010

OBJECTIVES

RESEARCH AND DEVELOPMENT

Exploitation of local raw materials for industry

TECHNOLOGY TRANSFER

Small scale technologies to meet local needs

FEASIBILITY STUDIES

Conducted on new Industrial investments project for private and public sectors

CONSULTATION SERVICES

- Industrial planning
- Production Management
- Product design and development

OBJECTIVES

INDUSTRIAL POLICY SETTING

Key player in setting national industrial policies development

REFERENCE LABORATORY

Considered as reference lab for National Standards Corporation

ADVISORY BODY

Raise of awareness among industrialists , workers and government on industrial development issues

CONSULTATION SERVICES

- Industrial planning
- Production Management
- Product design and development

FUNCTIONS

Research

- **Conduct R&D research**
- **Standards specification**
- **Participating in laying down national industrial development plans**
- **Assist in the preparation of standard specification for the local industrial products**

Technology Transfer and Capacity Building

- **Transfer technology**
- **Addressing the causes of food insecurity**
- **Training programs**

Consultancy

- Consultation services on industrial planning, production management and product design and development
- Techno economic feasibility studies
- Prepare and marketing industrial information
- Dissemination industrial awareness



Function

Research

**Conduct R&D
research**

**Standards
specification**

Technology Transfer and Capacity Building

**Transfer
technology**

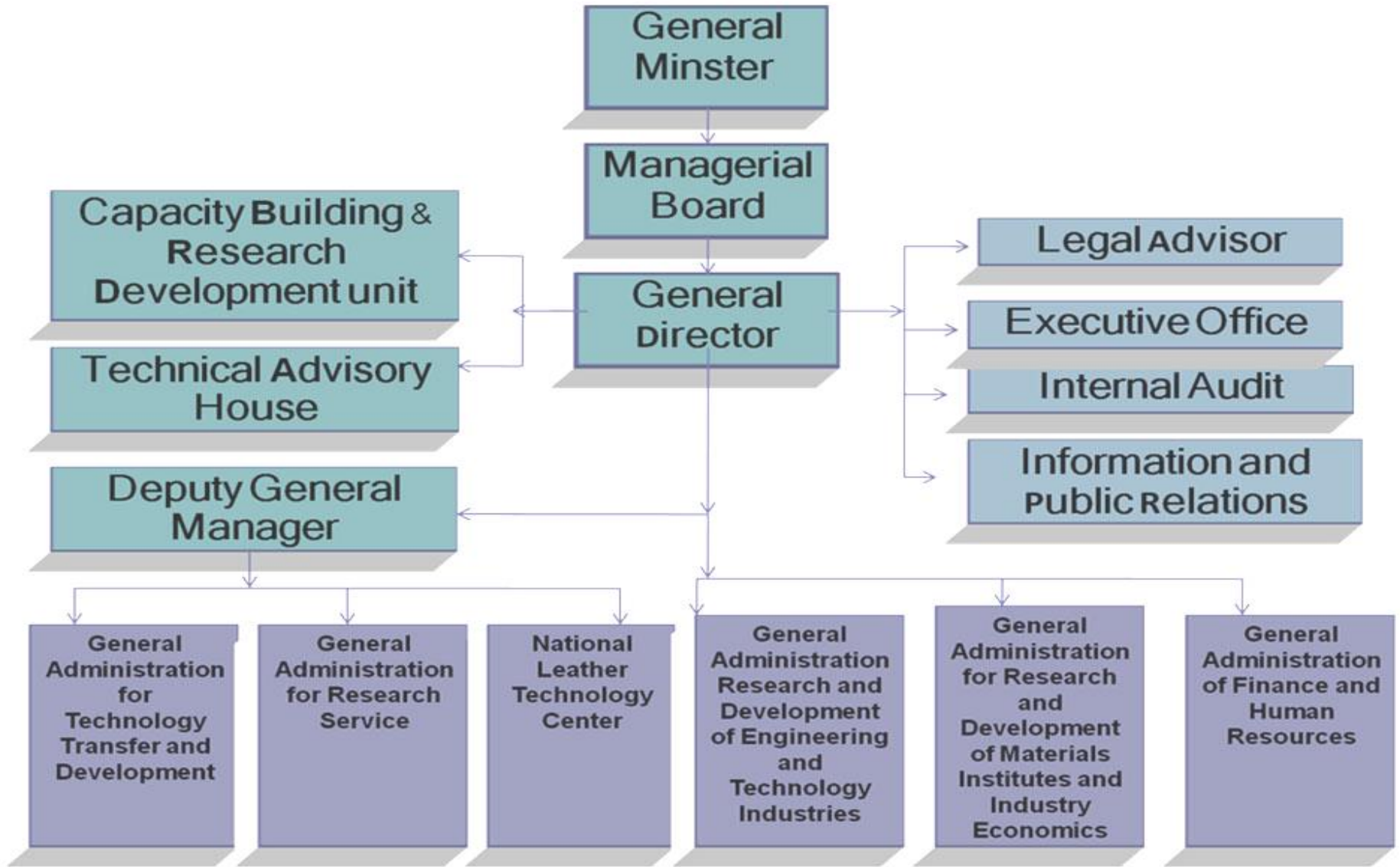
**Training
programs**

Consultancy

**Consultancy
HOUSE**

**Consultancy
services**

Organizational structure

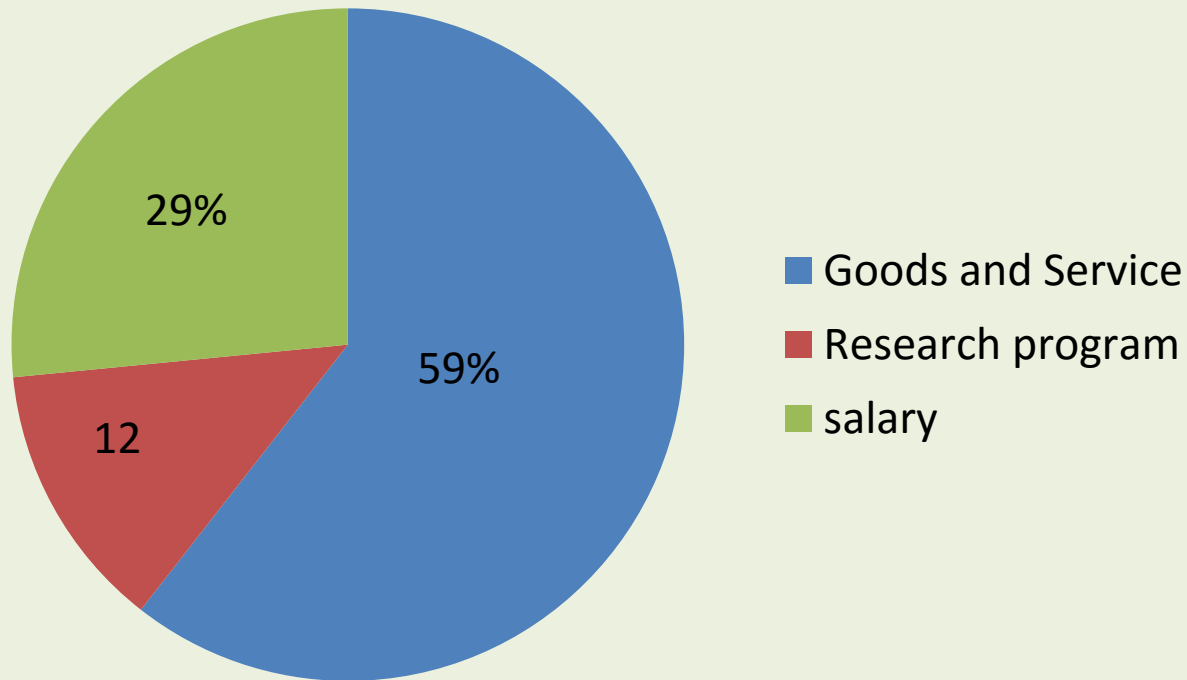


IRCC FACILITIES

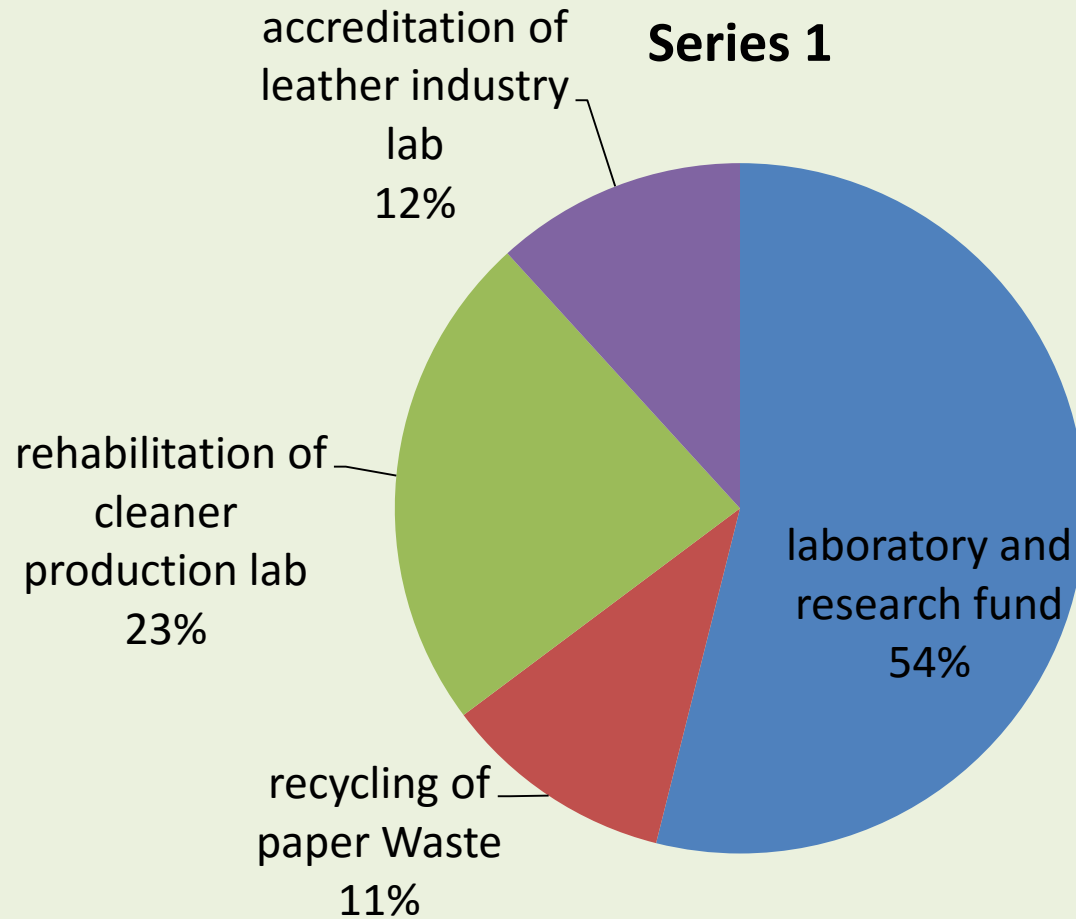
- Fully equipped and integrated tannery
- Pilot plant for chemical
- Electronic quality control and testing lab
- Advanced industrial information Centre
- Physical and mechanical testing lab
- Engineering design lab



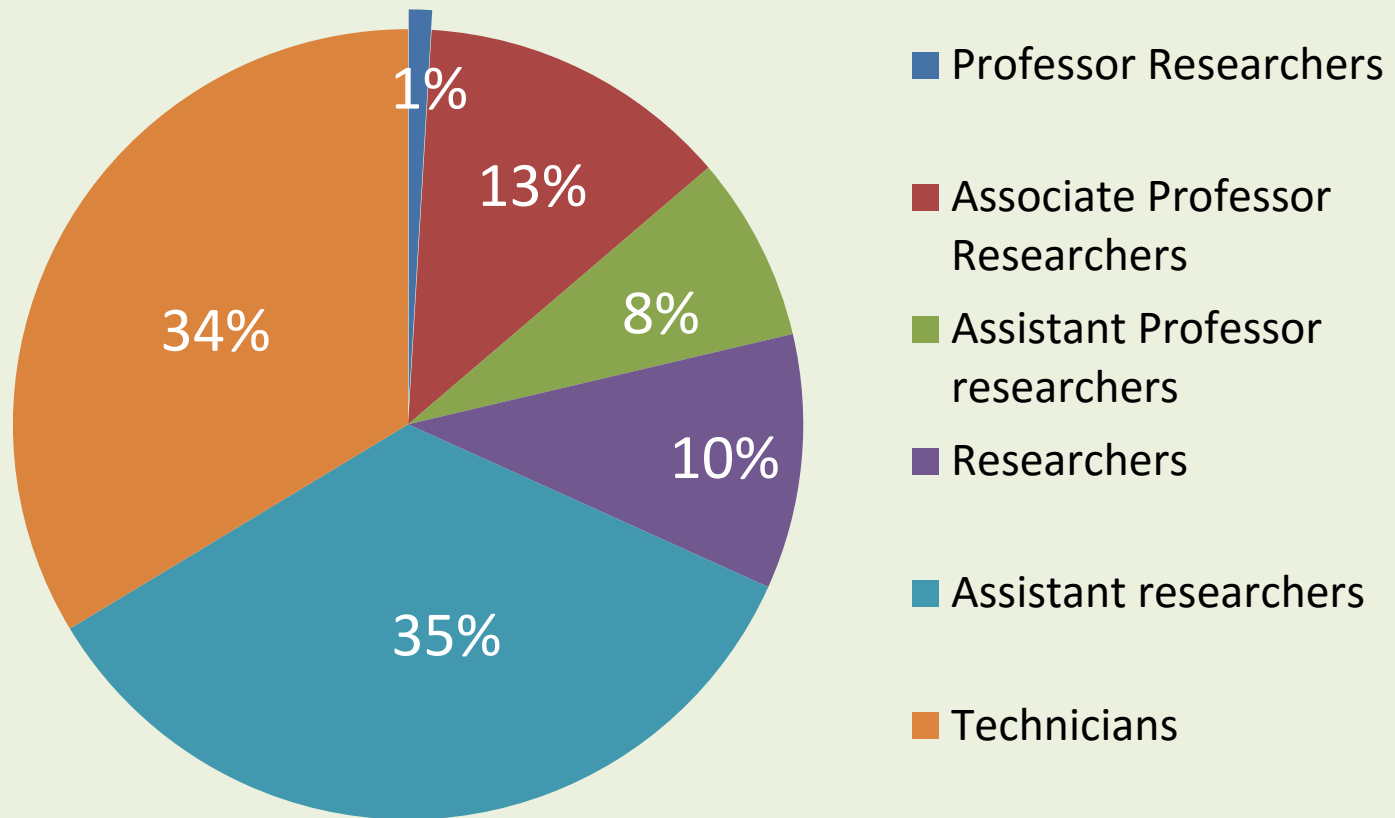
Annual Recurring Budget (research and capacity building)



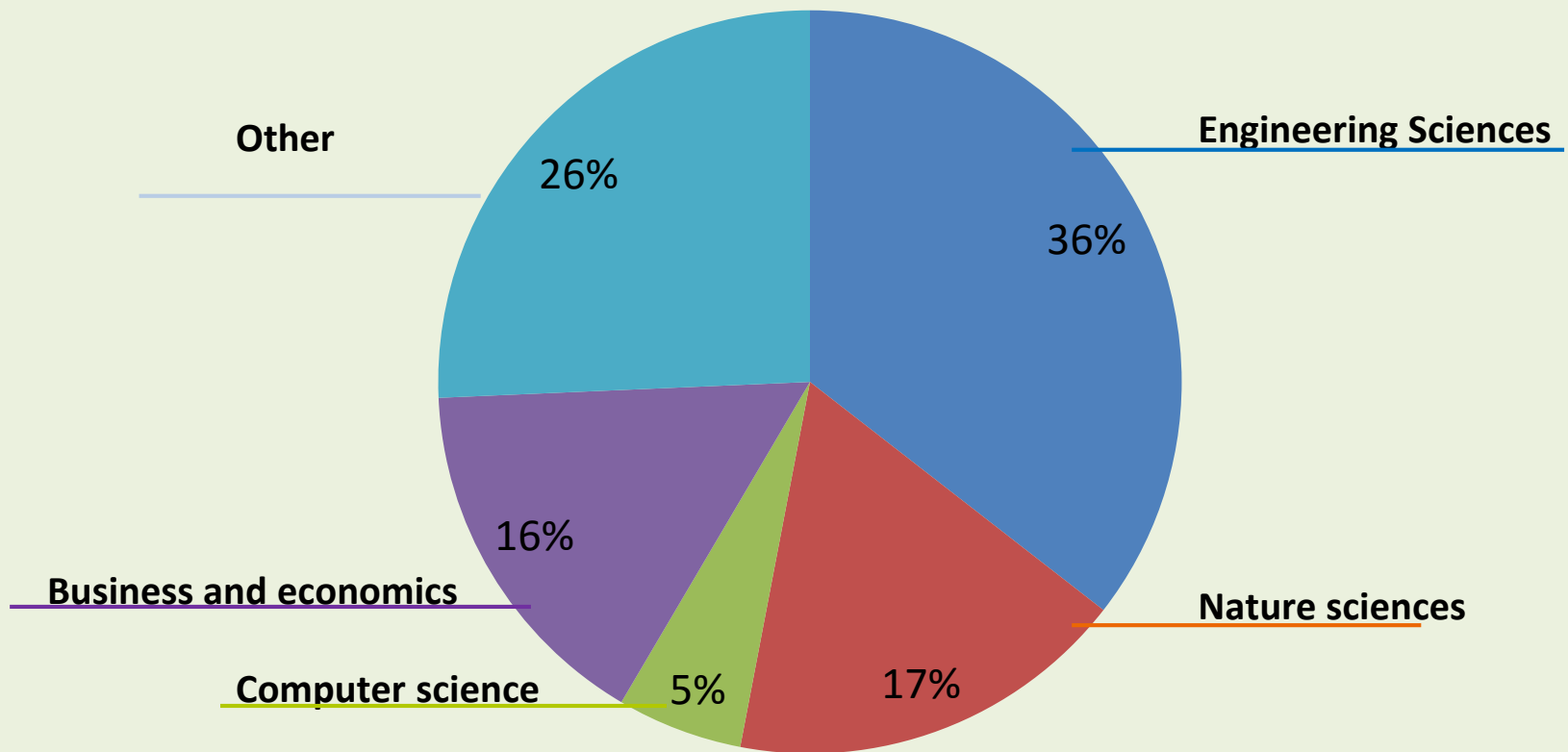
Development budget



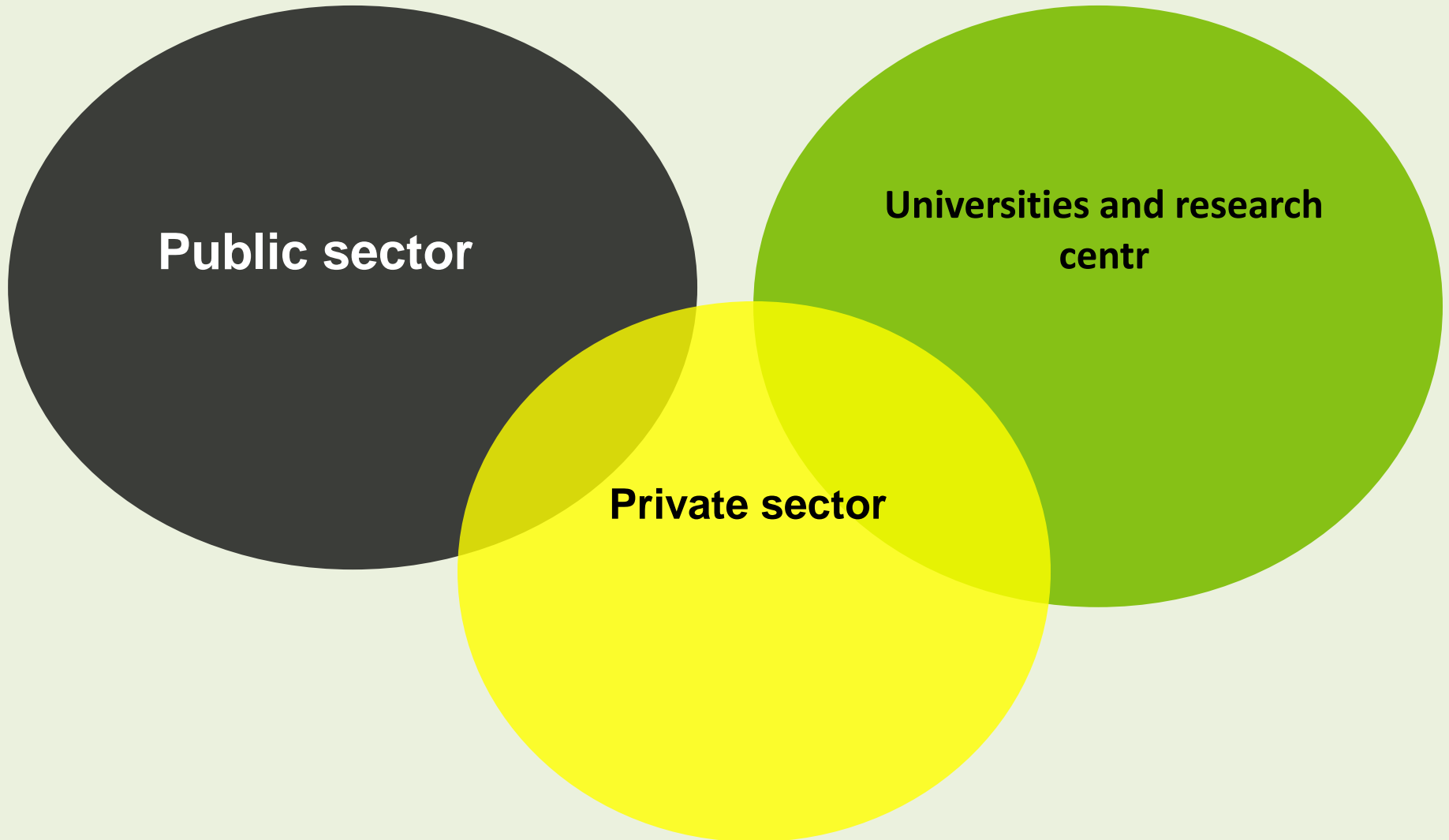
No. of Employees (scientists (PhD, MS, BS) and Technical Support Staff)



Employees from a Variety of Disciplines



connect industry with academia





SUDAN ACADEMY OF SCIENCE

IRCC is member of Sudan
Academy of Science Federal
union.

Certified college in engineering:

- MSc Cleaner production
- MSc Mechanical Engineering Design
- MSc Refrigeration & Air conditioning
- Mtech Electrical energy production

INDUSTRIAL GUIDANCE AND BOOKLET

INDUSTRY AND DEVELOPMENT

INDUSTRIAL RESEARCH JOURNAL

Publications



IRCC REGIONAL AND STATE BRANCHES

Signed agreements with four states to establish IRCC departments

Studies in process to identify potential in each state

Creation of industrial map for each state

On-going programs



The Continuous National Program of Industrial Development in Sudan.



The Soybean Value Chain Development.



UNISCO Chair For Transfer of Technology.



UNIDO- Pilot Demonstration Project on Leather Sector -SUDAN



Sudan National Cleaner Production Centre (SNCPC).



Engineering design & manufacturing research Institute .

The National Project for the Continuous Industrial Development

The National Project for industrial development is an integrated program that aims to create a industrial, knowledge, technological, skill and economic movement through six key pillars targeting human, applied research, consultancy,, modern technologies and manufacturing accompanying the interests of the partners.



The National Project for the Continuous Industrial Development (cont.)

Project Reference:

The project is based on the five-year program of economic reform, 2015–2019.

Objective of the Project:

National Project for Continuous Industrial Development aims to mobilize the industrial sector to bring about a sustainable industrial renaissance based on Research, development, innovation, technology and its mechanisms, capacity building guidance, and assurance of perfecting them.



Project methodology

Choosing the six-theme project partners.

Hold brainstorming sessions for each theme

Identification of projects for each theme.

Selection of projects and training teams.

Preparation of technical and financial proposals for projects.

Preparation and endorsement of executive plans for each project.

Forming teams to adjust and monitor the implementation of projects / for each theme.

Submit periodic performance reports for each axis.

The National Project for the Continuous Industrial Development (cont.)

Achievements :

- **Promotion of IRCC.**
- **Wide Umbrella of stockholders**
- **Initiate partnerships between the sectors of industry and research and development institutions.**
- **Inventors Incubating.**
- **Training of 1200 Trainees.**
- **Branding of some indigenous goods.**
- **Establish women business incubator.**









The Soybean Value Chain Development

Aiming at Strengthen soybean value chain in Sudan thereby increasing the utilization of locally produced soybean in agro-industries and among Sudanese households

Objective: strengthen soybean value chain in Sudan

Main Activities:

- Assist farmers with pre-harvest and post harvest inputs and machinery
- Demonstration training
- Establishment of market linkages between producers, processors and end users
- Training of house hold

Cleaner production center

IRCC hosting Cleaner production center (SUDAN)

Current Situation: approved from UNIDO.

Preparatory fund 45,000 €

Fund : Capacity build for 5+ 15 to other to include all other aspects.

Main Fund used to:

1- developed project document.

2- to assign national consultant (on top of work).

3- The center (CPC) participated in the National Continuous Industrial Development Program (TATWER) in the Country States to disseminate cleaner production Knowledge and spread cleaner production awareness .



Industrial safety

Classical control

Mining technology

Dyeing & finishing
Textile

Industrial safety

Food additives

Electrical control

Quality assessment of dairy products

Industrial safety

Dyeing clothes

International Collaboration

2nd International conference on AGRICULTURE, FOOD SECURITY AND BIOTECHNOLOGY 17th -18th October 2016
Khartoum -Sudan



COMSATS Institute of
Information Technology
Lahore Campus

Federation of Arab scientific research council
TRANSFER AND LOCALIZATION TECHNOLOGY
1-2 /11/2016 Khartoum - Sudan



African technology policy studies network
ATPS STAKEHOLDERS FORUM ON 29 JULY 2016 Nairobi- Kenya



ARAB INDUSTRIAL DEVELOPMENT & MINING ORGANIZATION
Arab conference on INNOVATION AND COMPETITIVENESS 24-25/5/2016
Egypt- Cairo



UNESCO chair on Transfer of Technology



Agreement between UNESCO and IRCC has been signed concerning the establishment of a UNESCO chair on the transfer of technology. The purpose of the chair shall be to promote an integrated system of the research, training, information and documentation on the transfer of technology.

IRCC RELATIONS



COMSATS Institute of
Information Technology
Lahore Campus



Future plans

- Comprehensive Strategic Plane.
- Customize research Workshop (ISICO).
- Sustainability of (TATWER).
- Support Partnership with COMSAT center of Excellency .
- Make use of opportunities provide by COMSAT.
- COMSAT IT Center In Sudan



Thank You