13th Meeting of COMSATS Coordinating Council

Hosted by
Third World Academy of Sciences (TWAS)
Trieste - Italy
12-13 May 2010

Activity report of IRCC – Sudan
April 2009 – May 2010

By: Ahmed Obeid Hassan
Director General, IRCC - Sudan
The Ministry of Science and Technology
Industrial Research & Consultancy Centre
Vision
IRCC to become an institution that is competent, confident & innovative in harnessing, utilizing & advancing industrial R&D

Mission
Contribute to the National Economy Through Sustainable Development of the Sudanese Industry

Objectives
Product & Process Development
Replacing Imports by Local Materials
Human Resources Development
Consultation & Technology Transfer

Future Outlook
Fostering International Cooperation
Centers of Excellence
Infrastructure Upgrading
Financially Sustained Institution
IRCC Mandate

• To assist the industrial sector of Sudan by providing Technical Expertise, consultations, training and support services.

• Technology Transfer.

• R & D in areas of competence.
Departments

- Leather Research & Technology Centre (LRTC)
- Chemical Industries research department.
- Food industries research department.
- Engineering Industries Research department.
- Economy & polices of Industry & Foresight Studies department.
- Industrial Information, Documentation & publication research department.
Research Activities

Five research domains

• Sustainable Development (eight projects).
• Poverty Alleviation and Achieving the Millennium Goals (seven projects).
• Institutions and Capacity Building (ten projects).
• Upgrading Scientific Research Mechanisms and Technology Transfer (thirteen projects).
• Building The Knowledge Society (five projects).
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<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Total Number of projects</td>
<td>43</td>
</tr>
<tr>
<td>Completed projects</td>
<td>9</td>
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<tr>
<td>Patents filed</td>
<td>5</td>
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<tr>
<td>Refereed Scientific papers</td>
<td>15</td>
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</tbody>
</table>
Completed Projects

Kick wheel for rural population
Completed Projects

Cheese making machine
Completed Projects

Sole press for footwear craftsmen
Completed Projects

Roughing & Scouring machine

Plastic bags shredder

Bridge lighting system
Completed Projects

Laser testing equipment for viscosity & purity of edible oils
Completed Projects

• Natural anti-oxidents for food products.
• Identification of 14 new types of lactic acid bacteria.
• Design of modern rural tannery.
Infrastructure Development

- 650000 US $ maintenance of buildings of IRCC.
Infrastructure Development

- 350000 US $ new equipments.

[Image of people inspecting boxes]
Infrastructure Development

- 100,000 US $ new lecture rooms & computer labs.
## Conferences Workshops & Agreements

<table>
<thead>
<tr>
<th>Event Type</th>
<th>Count</th>
</tr>
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<tbody>
<tr>
<td>Regional Workshops</td>
<td>4</td>
</tr>
<tr>
<td>National Conferences &amp; Workshops</td>
<td>16</td>
</tr>
<tr>
<td>Departmental Workshops</td>
<td>18</td>
</tr>
<tr>
<td>International MOU’s</td>
<td>2</td>
</tr>
<tr>
<td>National MOU’s</td>
<td>6</td>
</tr>
</tbody>
</table>
SS-Gate Agreement
UNDP Project

Database of opportunities, partnerships, finance, assists and technologies
National Industrial Conference

A huge amount of data pertaining to industrial chambers
Enjoying the fruits of the conference

UNDP

Unions of Industrial Chambers

Saeed Food Industries
Enjoying the fruits of the conference
## Capacity Building (Staff)

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<tbody>
<tr>
<td><strong>PhD</strong></td>
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<tr>
<td><strong>MSc</strong></td>
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<tr>
<td><strong>Long term training</strong></td>
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<td><strong>Short term courses</strong></td>
<td>17</td>
</tr>
<tr>
<td><strong>Study tours</strong></td>
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</tbody>
</table>
SAS (IRCC) postgraduate studies:
- MSc. Cleaner Production.
- MSc. Mechanical Engineering Design.
- MSc. Refrigeration & Air – conditioning.
- MSc. & PhD. In engineering & industrial studies by research.
Training & Community Development
Thank You