



## Development of National Science, Technology & Innovation Database System in the Sultanate of Oman

Towards Establishing STI  
Observatories In the ESCWA Region

Lebanon- Beirut  
11-12/11/2009

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The Research Council

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The objective of this study is to provide an overview about the Science,  
Technology & Innovation Enterprise in the country.

### Objective


The objectives of this study are to provide an overview about:

- ❖ STI enterprise in Oman
- ❖ The status of the STI database in Oman

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## Contents

1. **Current situation of STI in Oman**
  - ❖ STI enterprise
  - ❖ STI Strategy
    - Building the local S&T capacity
  - ❖ STI (Database)
2. **Developing national STI (Database)**
  - ❖ The objectives of the database
  - ❖ Researchers Directory
  - ❖ National STI database

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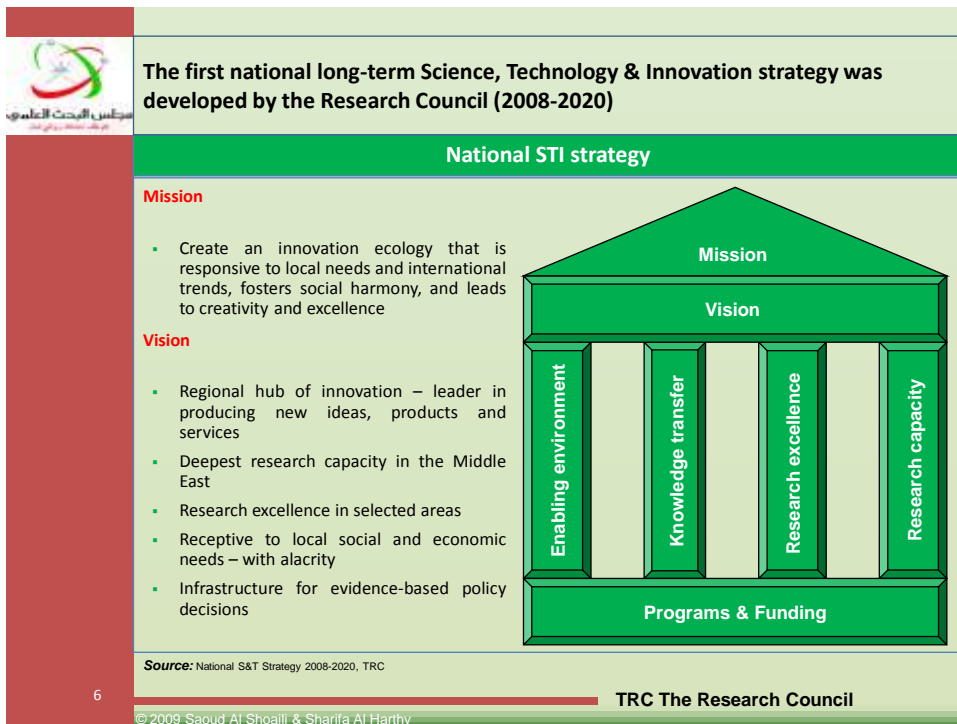
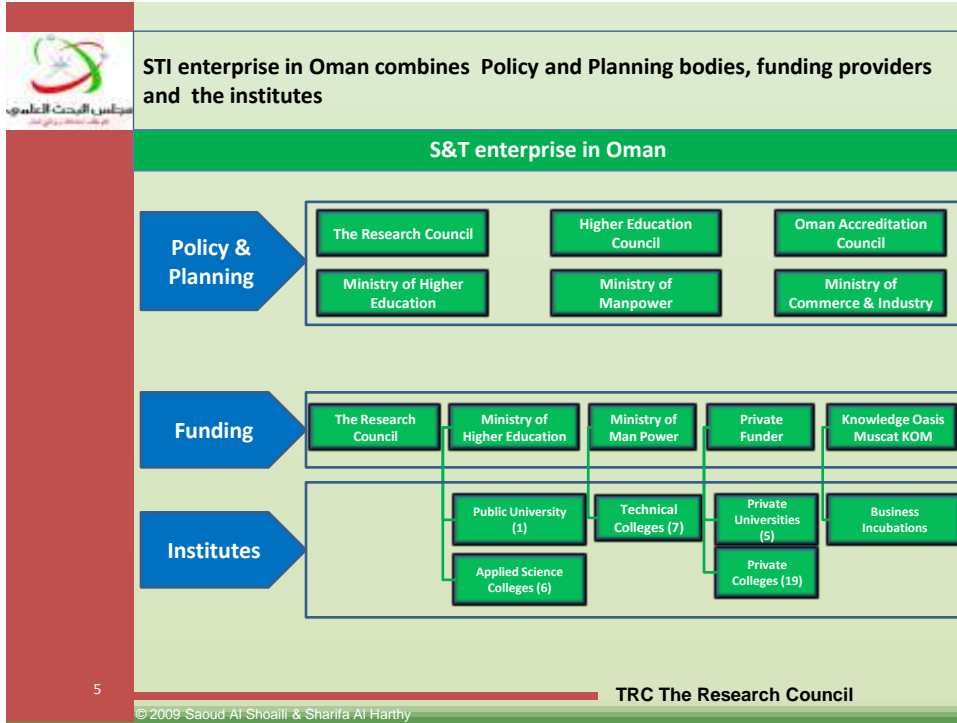
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**The strategy emphasizes on buildings the local STI capacity as one of the strategic objectives and various programs were proposed including the Research Directory**


### TRC- Capacity building

- ✓ Developing the local S&T capacity is one of the strategic objectives of the national S&T strategy
  - ❖ The availability of statistical information about national S&T personnel, organizations and activities are important to build the capacity
- ✓ Different programs were proposed to achieve this objective and one of these programs is the Researcher Directory
- ✓ The directory is an web-based database contains S&T-oriented profile for both personnel and organizations working in the fields of S&T
- ✓ Beside other objectives, the main objectives of the directory is to connect the local S&T community together and to keep track and record statistical information about the community
- ✓ The Research Directory forms the basis for building the national STI (database) as the later extract the information from the former

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**Currently, there is no national STI database tracking and recording data for STI indicators for either personnel or organizations in the country**


### Existing STI (database) system

- ✓ Currently there is no existing national STI (database) system tracking and recording statistical information about STI indicators
- ✓ There are some institutional efforts to gather information about R&D personnel. Some of the universities have developed personnel profile on their website:
  - ❖ University1: [Name      Department      Position      Contact]
  - ❖ University2: [Name      Department      Position      Degree & Institute]
  - ❖ University3: does not exist
  - ❖ University4: does not exist
  - ❖ University5: [Name    Department    Position    Contact    Degree    Institute    Country    Year  
Experience (teaching, research and industrial)    Research training information  
Significant research contributions]

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## The main objectives of the national STI database is to monitor and measure the STI progress in the country and to assist in the decision making process

### Database-Objectives

- ✓ Monitoring scientific and technological development in the country.
- ✓ Measure the progress towards attaining the goals of the national STI strategy
  - ❖ Building the local research capacity
  - ❖ Developing research excellence
  - ❖ Facilitating the local and international knowledge transfer
- ✓ Inform the decision makers about the current status of STI in order to formulate, adjust and implement STI policies
- ✓ Benchmark the country performance in STI fields with regional and international performances
- ✓ Monitor global technological trends, conduct foresight exercises, and determine specific areas of investment.
- ✓ Fulfill the reporting requirement to concerned national and international organization about STI status in Oman

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The Research Council has developed the national STI database as an outcome of the Research Directory program

Research capacity-Researcher Directory – STI database

TRC-Building Research Capacity

- Develop graduate programs in broad areas of science and humanities
- Develop specialized graduate programs in oil & gas, social sciences and policy-making
- Attract, retain and develop world class faculty, post doctoral and graduate students and engineers
- Encourage research in emerging platforms of knowledge that cut across disciplines and fields of study

Researchers Directory

- Identify researchers in Oman
- Facilitate collaboration and linkages among local researchers.
- Classifies the local researchers based on their level of expertise or research experience, the research interest, the institutional affiliation and the geographic location.
- Facilitate the science-industry interaction and the knowledge transfer from academia to industry

National STI Database

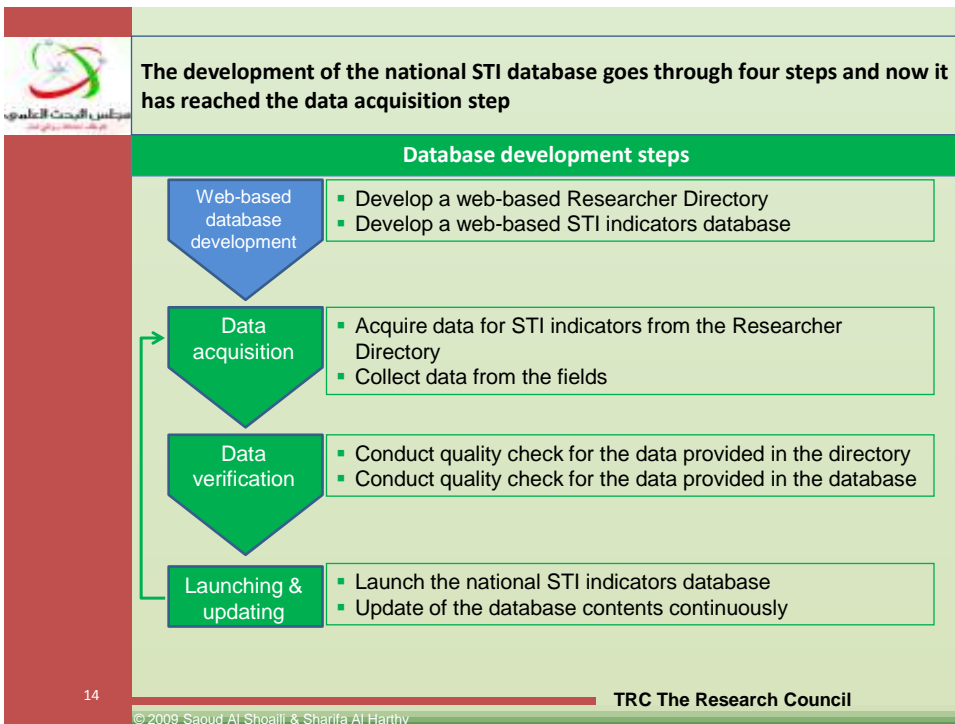
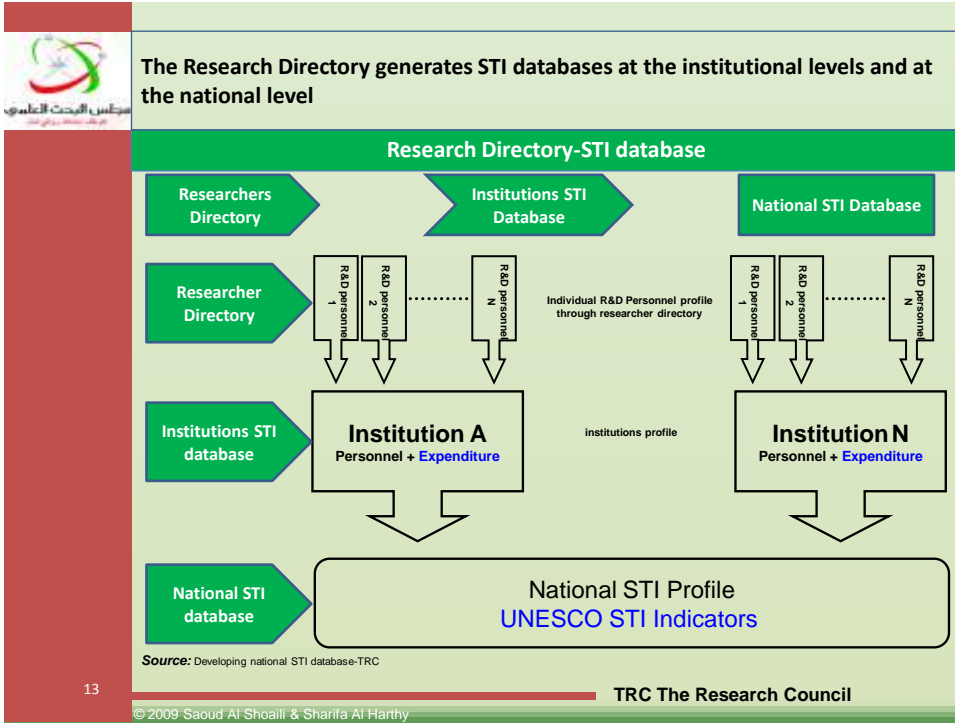
- Track and record national STI activities as per UNESCO indicators
- The database contains, beside the UNESCO STI indicators, others indicators of importance to the council planning
- The database offers reporting function for the authorized national and international organizations and individual



The Research Directory contains 21 data fields for researchers and 12 data fields for organizations work in the STI fields

Researcher Directory – Personnel & Organizations Profile

<b>Personnel Profile</b>	First Name	Second Name	Family Name
	Gender	Nationality	Preferred language
	Residence	Qualification	Position
	Department	Email	Telephone
	Occupation	Field of research	% of time allocated for R&D
	Experience	Publication	Awards
	Projects	Supervision	Education
<b>Organizational Profile</b>	Short name	Full name	Address/Contact
	Public or Private	Date of Est.	Total number of employee
	Affiliated persons	Projects	S&T indicators
	Awards	Patents	Publications



**From the main page of the directory, user can access organizational and personnel STI profiles**

**Researcher Directory**

  
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**You can do the following:**

- View Research Organization Profiles
- View Researcher Profiles
- Edit your Research Profile
- Add your Academic Qualifications
- Enter your publications
- Enter your research projects
- Enter your research assistantry experience
- LRN using computer-to-computer automated services


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**Research Directory: Persons**

**Researcher Directory- Persons**

  
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**Persons**

First Name: \_\_\_\_\_  
 Second Name: \_\_\_\_\_  
 Family Name: \_\_\_\_\_  
 Gender: \_\_\_\_\_  
 Nationality: \_\_\_\_\_  
 Academic Full Name: \_\_\_\_\_  
 Second Name: \_\_\_\_\_  
 Family Name: \_\_\_\_\_  
 Preferred Language: \_\_\_\_\_  
 Residence: \_\_\_\_\_

**Links**

[Education](#) | [Experience](#) | [Submissions](#) | [Awards](#) | [Publications](#) | [Projects](#)

[Organization](#) | [Qualification](#) | [Position](#) | [Department](#) | [Email](#) | [Telephone](#) | [Company](#) | [Research Field](#) | [% of time for R&D](#) | [AIOR](#)


**Source:** Cultural Policies & Trends, Country Profile, Italy 2008

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## Researcher Directory: Organizations

### Researcher Directory- Organizations



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Home
Knowledge ID
Research Directory
TRC23

Knowledge ID: Research Directory



Home
Organization
Person

**Organization**

Short Name	Full Name
Address	Site of Est.
Isack	Total Number of Employees
Phone	
Attached Person	

[Home](#)

Contact
→
R&D Expenses
→
Patents
→
Grants
→
Projects
→
Publications

First Name	Last Name	Department	Email	Telephone	Fax	Position	Action
[Empty Table]							

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## Researcher Directory: STI database

### Researcher Directory- STI database



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Home
Knowledge ID
Research Directory

Knowledge ID: Research Directory



Home
→
Organization
→
Person
→
STI Database

**STI Database**

**Organization**

ORCID:

ORCID:

ORCID: ORCID

**Company**

Industry:

Qualification Area:

Select category:

Qualification Area:

Qualification Area:

R & D Specialization:

Search
→
Clear

**R&D Personnel By Qualifications and Education**

	Ph.D	Master's Degree	Bachelor's Degree	None	Total
Researcher	2	3	1	4	6
Technician	1	2	1	1	4
Industrial Staff	5	2	2	1	7
Others	5	6	2	3	13
None	4	3	2	13	13
<b>TOTAL</b>	<b>7</b>	<b>9</b>	<b>3</b>	<b>14</b>	<b>29</b>

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# Thank you

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