

INTERNATIONAL TRAINING COURSE ON SCIENCE, TECHNOLOGY AND INNOVATION DIPLOMACY

Pretoria, South Africa

28 November – 03 December, 2019

Jointly organised by:



Department of Science and Innovation (DSI),
Pretoria, South Africa



Centre for Science & Technology of the Non-Aligned and
Other Developing Countries (NAM S&T Centre), New Delhi, India

INTRODUCTION

It is widely recognized that Science, Technology and Innovation (STI) is a key instrument for economic empowerment and capacity building of a country. STI also plays an important role in protecting and expanding strategic interests. Science often becomes a necessity in improving relations between countries and creating linkages among various nations.

To meet development objectives, a country cannot be in isolation from other countries, and must manage its political differences with others and collaborate on matters of mutual interests, such as scientific research, technical cooperation, trade and commerce. Negotiations between countries many times face conflicts and controversies which can be sorted out by thoroughly understanding and discussing the merits and demerits of any proposed collaboration from a scientific angle. Cooperation, therefore, plays a much stronger role than that of coercion, which plagued the international relations playing field during the world wars and cold war.

In the age of global knowledge economy, STI Diplomacy has become an important mechanism for South-South and North-South relations in pursuit of scientific collaboration, co-generation of knowledge; and usage of innovative technology for socio-economic benefits. This reality is a clear indication that there is a need for countries in the global south to deepen cooperation and enhance competitive and comparative advantages through Science, Technology and Innovation (STI). STI Diplomacy thus, plays a critical role as an enabler and driver of knowledge and technology led economic development across the borders.

Experts in S&T can help the diplomatic community and facilitate negotiations on many issues with serious foreign policy implications. On the other hand, acquisition of S&T knowledge, resources and expertise from other influential countries might face enormous problems and bottlenecks; therefore, appropriate dialogue and cooperation are required to sort them out. Diplomats who may not otherwise fully understand the scientific and technological intricacies need help from the scientists in such a scenario.

In order to ensure that STI Diplomacy as well as Research and Development (R&D) contribute positively to foreign policy and vice versa, leading to strong global STI governance through the deployment of STI policy as a mechanism to resolve common developmental challenges, the Centre for Science & Technology of the Non-Aligned and Other Developing Countries (NAM S&T Centre), New Delhi, India jointly with the Department of Science and Innovation (DSI), Pretoria, South Africa announces the organization of an intensive International Training Course on “Science, Technology and Innovation Diplomacy” in Pretoria, South Africa from 28 November - 03 December, 2019 i.e. just preceding the “Science Forum South Africa – 2019” scheduled to be organized by DSI from 04 December, 2019.

TRAINING COURSE OBJECTIVES

The Training Course aims:

- To promote the understanding of the relationship between ‘STI’ and ‘Diplomacy’ in reference to contemporary global/foreign issues;
- To explain rudimentary principles of International Relations (IRs) and clearly explain the role of STI diplomacy in international relations and foreign policy;
- To understand the different proposition on defining STI Diplomacy among the proposed three dimensions of Science Diplomacy namely- Science & Technology in Diplomacy, Diplomacy for Science & Technology and Science & Technology for Diplomacy;
- To provide practical measures to address the issues relating to Sustainable Development Goals (SDGs) using STI Diplomacy as an international scientific cooperation tool and policy instrument;
- To deliberate on the various aspects of STI Diplomacy, trends in global Science and Technology programmes and the growing role of South-South Cooperation (SSC) in STI;
- To build strong South-South cross border networks to foster the next generation of STI diplomats in the global south wherein they will share and disseminate information on STI issues impacting their countries.

TRAINING COURSE CONTENT

The Training Course will deliberate on the following topics:

- South-South Cooperation (SSC) through STI Diplomacy
- The Fourth Industrial Revolution (4IR) and STI diplomacy: disruptive innovation, internet of things (IoT), digital diplomacy, cyber security, big data, artificial intelligence, diversification of funding models leading into 4IR, etc.
- Sustainable Development and achievement of ‘Sustainable Development Goals 2030’ through the application of ‘Science, Technology & Innovation Diplomacy’
- International security - peaceful use of nuclear energy and space science and technology, cyber security, etc.
- Technology Transfer, Intellectual Property Rights (IPR), related trade issues, tech entrepreneurship and innovators
- Trilateral cooperation or mega science initiatives to be explored by SSC
- Mapping of STI Diplomacy strategies already established by other countries

MODES OF DELIVERY

Expert Lectures, Case Studies, Simulation Exercises, Group Discussions and Field Visits, etc.

DATE WISE PROGRAMME

The Training Course will be held from 28 November - 03 December, 2019 which will be followed by Science Forum South Africa (SFSA) 2019 scheduled to be organized from 4th - 6th December, 2019. A tentative programme of the event is given below:

DATE	TRAINING COURSE SCHEDULE	
Wednesday, 27 th November 2019	Arrival of Delegates	
Thursday, 28 th November 2019	Official Inauguration and Ice Breaking Session	Training Session
Friday, 29 th November 2019	Training Session	
Saturday, 30 th November 2019	Training Session	
Sunday, 01 st December 2019	Day Excursion- Maropeng and Sterkfontein Caves	
Monday, 02 nd December 2019	Training Session	
Tuesday, 03 rd December 2019	Training Session	Concluding Session, Dinner and Handing Over of Certificates
Wednesday, 04 – Friday, 06 December 2019	SFSA 2019	
Saturday, 07 th December 2019	Departure of Delegates	

A detailed session-wise schedule with names of the trainers/speakers will be made available before the event.

VENUE

The Training Course would be organized at St George Hotel and Convention Centre, Pretoria, South Africa.

ABOUT THE ORGANISERS

NAM S&T CENTRE

The Centre for Science and Technology of the Non-Aligned and Other Developing Countries (NAM S&T Centre; www.namstct.org) is an inter-governmental organisation with a membership of 47 countries spread over Asia, Africa, Middle East and Latin America. The Centre was set up in 1989 in New Delhi, India. It undertakes a variety of programmes, including organisation of workshops, symposiums and training courses and implementation of collaborative projects. It also offers short-term Research Fellowships to scientists from developing countries in association with the Centres of Excellence in various countries. The Centre also brings out technical books and other scientific publications in different subjects of interest to developing countries. The Centre's activities provide opportunity for scientist-to-scientist contact and

interactions; familiarizing participants on the latest developments and techniques in the subject areas; identification of the requirements of training and expert assistance; locating technologies for transfer between the members and other developing countries, and dissemination of S&T information etc. In addition, the Centre encourages Academic-R&D-Industry interactions in the developing countries through its NAM S&T-Industry Network.

DSI, SOUTH AFRICA

The Department of Science and Innovation (DSI) seeks to boost socio-economic development in South Africa through research and innovation. To achieve its goals, the Department provides leadership, an enabling environment and resources for Science, Technology and Innovation in support of South Africa's development. Through its Programmes (Administration; Technology Innovation; International Cooperation and Resources; Research Development and Support; and Socio-economic Innovation Partnerships) and several entities that work alongside it, the Department is accomplishing groundbreaking science and enhancing the well-being of all South Africans.

WHO SHOULD ATTEND

The Training Course is primarily designed for scientists and technologists in developing countries working in international policy-making arena; S&T professionals and officials engaged in management of science and technology; policymakers; diplomats; international relations experts/officers in research institutions; representatives from non-governmental organizations and other sectors working at science-diplomacy interface.

RESOURCE PERSONS

The resource persons for the Training Course will comprise eminent experts and professionals in the relevant fields from South Africa and other countries.

CERTIFICATION

Certificates will be awarded to participants upon successful completion of the Training Course.

SUBMISSION OF APPLICATIONS

Experts and scientists desirous of participating in the Training Course, except those from South Africa, should submit their nomination form electronically directly to the NAM S&T Centre (namstcentre@gmail.com) as early as possible, but latest by **Friday, 18 October, 2019.**

Applicants from South Africa should submit their requests directly to the DSI, South Africa (kholani@assaf.org.za); accessible as google form at [STI Diplomacy Training Course 2019](#).

The following documents must be submitted as e-mail attachments:

- i. Filled in Nomination Form (Blank form enclosed)

- ii. A Write-up (in MS-Word format) with the answers to at least two of the questions listed in Section-C of the nomination form
- iii. A short (maximum two pages) CV (in MS-Word format) [Format Enclosed]
- iv. A copy of the relevant pages of the passport

The documents at (ii) and (iii) above must be in MS-Word Format; PDF or image files will not be accepted. Hard copies of the Nomination Form and the above attachments are **NOT REQUIRED** to be submitted.

LOCAL HOSPITALITY AND TRAVEL

After the completion of the Training Course on 3rd December, the participants are expected to also attend the Science Forum South Africa (SFSA) 2019 which will be held from 4th - 6th December, 2019. Local hospitality in Pretoria, South Africa including the accommodation, meals and local transport including the airport transfers for the foreign participants sponsored by the NAM S&T Centre will be provided by the local organisers and hosts, DSI from 27 November - 07 December, 2019 (i.e. from one day before the Training Course to one day after the completion of SFSA 2019). The participants are requested to book their flights accordingly; otherwise, they will have to make their own arrangements of stay beyond these dates.

FINANCIAL ARRANGEMENTS FOR TRAVEL

The financial terms and arrangements for international travel of the foreign participants will be conveyed to individual applicants on receipt of the nomination form and other documents.

ENTRY FORMALITIES AND IMMIGRATION

Participants of the Training Course must be in possession of a current passport or any other internationally recognized travel document, which must have a period of validity of at least six months beyond the period of stay in South Africa and must be endorsed for travel to South Africa.

Participants should have a valid visa for entry into South Africa. The South African diplomatic mission located in the country of the participant should be approached for obtaining an entry visa. For a large number of countries, however, online visa application is required. If required, the organisers will facilitate the issuance of visa by providing the participants with an official letter of invitation.

SECRETARIAT AND ENQUIRIES

NAM S&T Centre

Dr. Amitava Bandopadhyay

Director General

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**CENTRE FOR SCIENCE AND TECHNOLOGY OF THE
NON-ALIGNED AND OTHER DEVELOPING COUNTRIES
(NAM S&T CENTRE)**

**INTERNATIONAL TRAINING COURSE
ON
SCIENCE, TECHNOLOGY AND INNOVATION DIPLOMACY**

**PRETORIA, SOUTH AFRICA
28 NOVEMBER - 03 DECEMBER, 2019**

APPLICATION FORM

Please affix your
scanned
photograph

*PLEASE TYPE OR USE BLOCK CAPITALS;
NO COLUMN SHOULD BE LEFT BLANK*

SECTION -A

(To be filled in by the nominee)

- 1 First Name (Prof. /Dr. /Mr. /Mrs. /Ms.): Last Name:
(As in Passport)
- 2 Father's / Spouse Name:
- 3 Designation (Position held):
- 4 Nationality:
- 5 Date of Birth: Place of Birth (City) (Country).....
- 6 Passport No:Place of issue:
Date of Issue: Valid up to:
(Please attach copies of the relevant pages of your Passport)
- 7 Name of the Parent Institution (Employer):
Full Address (Office):
.....
Phone: Fax:
E-mail:

- 8 Full Address (Home):

 Phone: Mobile:
 Fax: E-mail:
- 9 Educational Qualifications: Highest Degree.
 Year of Award: University:
 Field of Study:
- 10 Brief Bio data (CV):
(Maximum two pages, in MS Word; to be attached on separate sheet as per attached format)
- 11 A Write-up (in MS-Word format) with the answer to at least two of the questions listed in Section – C below
12. Please indicate whether you wish to attend the Science Forum South Africa (04 – 06 December, 2019) after the completion of the Training Course: Yes/No

Date:

Signature:

SECTION –B

ENDORSEMENT BY NOMINATING AUTHORITY

(The Applicant in a member country of the NAM S&T Centre must get the Nomination Form endorsed by the Focal Point of the Centre in his/her country, *if he/she wishes to take advantages extended to the official nominee of the country.* For the list of member countries and names/addresses of the Focal Points please visit the Centre’s website; www.namstct.org.)

Signature:

Name (in full):

Designation:

Date:

SEAL

Enclosures:

1. Scanned copies of the relevant pages of the Passport
2. A Brief CV (maximum two pages, as per **attached** format; **in MS Word**)
3. A Write-up (in MS-Word format) with the answer to at least two of the questions listed in Section – C below

SECTION – C

QUESTIONNAIRE

Please answer at least two of the following questions that are pertinent to you:

1. How does your professional role and/or experience relate to the aims of the STI Diplomacy Training Course? *(Please limit the answer to 300 words maximum)*
2. Provide examples of any of your research/policies/projects that had an impact on scientific cooperation between countries. *(Please limit the answer to 300 words maximum)*
3. Provide evidence of engagement in 'wider society', e.g. involvement in science policy, science communications, public/school events, engagement with industry/NGOs. *(Please limit the answer to 300 words maximum)*
4. Provide examples of cooperation with representatives of the scientific community (e.g. workshops, reports, development projects) (if you are a policy maker) or with the policy and/or diplomatic community (if you are a scientist). *(Please limit the answer to 300 words maximum)*
5. How will your participation in the Training Course help you to achieve your immediate and long-term career goals? *(Please limit the answer to 300 words maximum)*
6. How do you plan to use any newly-gained skills, tools and knowledge in STI diplomacy to positively impact your community, country or sector? *(Please limit the answer to 300 words maximum)*

OPTIONAL QUESTION: RECORD OF ACTIVITIES IN THE AREA OF DIPLOMACY

Science Diplomacy-related projects/policies undertaken (if any): *Please note that international collaborative scientific research alone is not necessarily diplomacy activities and should not be listed here. The inquiry is aimed at exploring applicants' exposure to diplomacy and related activities.*

**Centre for Science and Technology of the Non-Aligned And
Other Developing Countries
(NAM S&T Centre)**

**India Habitat Centre (IHC), Lodhi Road
New Delhi, India**

Curriculum Vitae

1. Personal Details:

Name: (Prof./Dr./Mr./Mrs./Ms.)

Designation: Position Title

Present Employer: Full Address (Office)

City/State/Province:

Country:

Nationality:

Date of Birth: DD/MM/YYYY

Proficiency in English Language:

Permanent Address: Full Address (Home)

Gender:

Marital Status:

Contact: Mobile:

Telephone Office:

Fax:

E-mail:

Alternative e-mail:

Font Name: Times New Roman

Font Size: 12

2. Academic Qualifications: In chronological order

Qualification Awarded Degree/Diploma/Certificate	Major Subject	University/Institution	Year (From-To)
1.			
2.			
3.			
4.			
5.			

3. **Professional Experience:** In chronological order

Organisation/Institution	Position Title	Year (From-To)	Nature of duties
1.			
2.			
3.			
4.			
5.			

Total number of years of relevant experience –

4. **Research Experience:** In chronological order

Research Title	Duration	Status
1.		
2.		
3.		
4.		
5.		

5. **Administrative Experience:** Not more than 100 words

6. **Experience with respect to the title of the programme:**

7. **Details of Awards/Recognitions (if any) :**

8. **Any other information:** Not more than 50 words

9. **Recent Publications:** Only five recent publications to be mentioned

10. **Recent Photograph:** A recent passport size colour photo to be **attached**