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Scientific And Technological Information Systems—II

-Abdul Matin

CINCE information is an inter policy and national networks; ment of regional information sys. lows therefore that cooperative countries efforts on a global scale is eseasy access to information for users all over the world. In 1ccent years international efforts have been focused on the need for transfer of scientific and technical information for achiev. ing the goal of industrial and socio-economic progress of deve loping nations. In 1974, 135 coun tries meeting at the UN General Assembly proclaimed the following as one of the principles of the new international economic order.

"Giving the developing countries access to the achievements of modern science and technolo and promoting the transfer of technology and creation of indigenous technology for the benefit of developing countries in forms and in accordance with procedures which are suited to their economics".

Even before the above declaration was adopted by the United Nations General Assembly the United Nations Educational Sci entific and Cultural Organisation (UNESCO) had initiated action in 1971 on its Inter-governmental Information System on Science and Technology (UNISIST) project which is aimed at promoting world-wide flow of scientific and technical information with increasing international cooperation to improve the accessibility (INIS) based at Vienna, Internace to contribute the scientific and socio-economic development of all countries.

UNISIST is more of a concept than a physical system through which UNESCO sought to Switzerland, etc. promote and stimulate the sys tematic development of informa nization tion transfer services world-wide regionally and within its memed on voluntary cooperation of the existing and future national, regional and international information centres and to develop a system for the free flow and of the world's Hissemination body of professional and specialized information in all fields of basic and applied sciences engineering and technology. The work plan of the UNISIST Prog ramme comprised five objectives, namely:

sfer: Improving tools of system special emphasis on the Asian information such as abstracting own regional and national infor cialized information manpower;

national resource, it fol- Special assistance to developing tems amongst its developing

sential for the goal of ensuring. to develop four regional netmember countries namely (1) South-East Asia, (2) South and Central Asia (3) West Asia and (4) Andean countries of South America. The regional network of information system for South and Gentral Asia comprises Afganistan, Bangladesh, Burma in tan and Sri lanka

> UNESCO has also formulated at net works a service of guidelines for asment of information resources and institutions in the develop ing countries with a view to enabling them to derive maximum benefit from the world's resour. ce of specialized and technical information.

Bangladesh is already partici- institutions. pating in the UNISIST Prog. ramme of UNESCO. A UNISIST National formed comprising of representatives of various research and development organizations and ministries_ concerned and. the Bangiadesh National Scienti fic and Technical Documentation Centre (BANSDOC) has been designated as focal point of UNI-SIST activities in Bangladesh.

Among other international in formation systems. International Nuclear Information Systems and use of information as an tional Information System on Aginternational transferable resour- ricultural Sciences (AGRIS) also optimally to at Vienna Development Sciences Information Systems (DEVSIS) based in Ottawa, Canada Interna tional Labour Information Systems (ILIS) based in Geneva

Orga. The World Health (WHO) h28 star. "MEDLINE" ted the formation services in cooperaber countries Its aim is to we tion with the Medical Literature ganise a world-wide network of Analysis and Retrieval System information transfer service bas (MEDLARS) of the United States Department of Health, Bangla desh National Health Library and Documentation Centre has been designated as the mational focal point for Bangladesh. The International Diarrhoen Disease Information Service and Dock mentation Centre (DISC) based the International Cen for Diarrhoeal Disease Research . Bangladesh (IC DDR.B) at Dhaka is also a tions and reference sources etc; velopment among the developing - Improving information trace information networks having a sources of scientific and technical to develop and strengthen them

Developing science information UNESCO to promote develop- countries.

member countries, regional net UNESCO has initiated action works have been established in the South-East Asian region for etc: works consisting of developing medical and agricultural infor mation under the aegis of the two UN agencies, manuely WHO and FAO. There is also a region al system of technical informa tion known as TECHNONET tional Development Research Centre (IDR) of Conada and lo. Centre (IDRC) of Canada and lo dia Iran Mongolia Nepal Pakus cated in Singapore Bangladesh patents and standards, with de is a member of all these region tails of their staff collection and

Within Bangladesh, in addition sessment planning and develop to the BANSDOC though under ch and development activities; the administrative control of 10. Directory of users of inthe Bangladesh Council of Scien dormation and profiles of sub tific and Industrial Research, it ject interest, and 'Who's Who" covers all fields of science and in different fields; technology and provides services to research and development or. list of information centres: ganisations as well as academic

In the field of Health Science WHO introduced the Health Lib-Committee has been rary Literature Analysis and Re cessing techniques for standarditrieval Systems (HELLIS) net. work, based in New Delhi

Despite all these developments in the establishment of international and regional information networks a great deal still re mains to be done. Because of the resource constraints lack of political will in many of the developing countries de velopment of scientific and tech nical information networks has not received due attention of the planners and decision mus kers at the highest level of their governments.

that the developing emphasize countifies must give due atten tion towards strengthening of their national scientific and tech nical information systems with national information system can a view to establishing effective benefit through cooperative ven linkages with other regional and tures from the regional and in international information systems for the benefit of their own users. The components of nation al information systems and ic. frastructural units that need to be strengthened include:

1 Special libraries DAVIDE holdings of scientific and techni cal literature:

1. Beientific and technical to formation centres providing in fermation to users from sources atraints of the developing coun

and indexing services covering mation networks. National go-In addition to efforts of the information generated within the mornments in the developing.

5. Primary sources of locally generated information such as scientific and technical journals monographs research reports,

6. Specialized and trained man

DOWET:

7 Directory of important re search and development organi sations engaged in technological research and development;

8. List of libraries and documentation centres holding techno logical information, including BOTVICCS:

9 Directory of on-going resem

11. Acquisition and holding

12. Union lists of scientific and technological periodicals in the network;

13. Manual of information pro zation of information processes; and finally,

14. National bibliographic conf trol of technological literature

produced in the country.

Since information is a commo dity which is available at a high cost it is pertinent that careful study of technological requirements of each country should be studied in depth and specialized subject interest be developed keeping in view the economic priorities of the technological de velopment programmes of the country Moreover an environ It is therefore, necessary to ment should be created for exchange of information mutually through a network and to allow access to data banks in the de veloping countries. In this way ternational sources of technologi cal information.

To accelerate the process of socio-economic development in developing countries, gaining ac cess to world-wide sources of scientific and technological infor mation is vitally important. The existing international information eveterns have improved such access but in view of resource conwithin the country and abroad; tries as well as aiming at deriv 3. Information sources such as ing maximum benefits from the primary and secondary publica experiences in technological de-