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Utilization of the Traditional Knowledge Digital Library (TKDL) as a Model for Protection of Traditional Knowledge

organized by

the World Intellectual Property Organization (WIPO)

and

the Council of Scientific and Industrial Research (CSIR)
Ministry of Science and Technology, Government of India

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LIST OF SPEAKERS

prepared by the International Bureau of WIPO

International speakers

JEONG-YOON CHOI

Mr. Jeong-Yoon Choi earned a bachelor's degree in electrical engineering in Hanyang University (Seoul, Republic of Korea) in 1997 and a master's degree in patent law in Chungnam University (Daejeon, Republic of Korea) in 2003.

Mr. Choi joined the Government of the Republic of Korea in early 1998. Since then, he had served as a patent examiner at the Patent Tribunal, litigation team and semiconductors examination team (1998-2010), and has been in charge of operating the Korean Traditional Knowledge Database (2010-current).

He lectured patent examination practice for patent examiners in the field of electronics and telecommunications.

PRESTON HARDISON

Professor Preston Hardison is a natural resources treaty rights policy analyst for the Tulalip Tribes of Washington. He has participated in meetings of the Convention on Biological Diversity (CBD) since 1996, and participated in the discussions and negotiations on access and benefit sharing for genetic resources from 2000 to 2010. For the last two years, he was selected as one of the lead indigenous negotiators of what is now known as the Nagoya Protocol.

Mr. Hardison has authored a paper on traditional knowledge registers and coauthored a paper on the role of customary law in access and benefit sharing for the Secretariat of the CBD. He has served on the Ad Hoc Informal Advisory Body for the Clearinghouse Mechanism of the CBD since 1997, and has participated in the development of several biodiversity information networks and a tribal traditional knowledge database system.

Mr. Hardison has also participated as an observer representing the Tulalip Tribes at the World Intellectual Property Organization (WIPO) Intergovernmental Committee on Genetic Resources, Traditional Knowledge and Folklore since 2000.

DOMINIC KEATING

Mr. Dominic Keating is a Patent Attorney in the Office of Policy and External Affairs at the United States Patent and Trademark Office (USPTO). He specializes in patents and health, biotechnology, genetic resources and traditional knowledge, as well as the Convention on Biological Diversity (CBD) and climate change. Furthermore, he leads a team of attorneys who specialize in intellectual property (IP) issues in South Asia. From 2006 to 2010, he served as the First Secretary for Intellectual Property in the U.S. Embassy in New Delhi, where he promoted high standards of IP protection and enforcement, as well as cooperation between the U.S. and South Asian governments on IP matters.

Mr. Keating has served as a Patent Attorney in the Office of International Relations of the USPTO (2003-2006), the Intellectual Property Attaché at the United States Mission to the World Trade Organization in Geneva (2001-2003), an Attorney-Advisor in Office of Legislative and International Affairs of the USPTO (2000-2001), a Patent Examiner at the USPTO (1997-2000) and a Trademark Examining Attorney at the USPTO (1996-1997).

Mr. Keating has headed numerous U.S. Delegations to the World Trade Organization Trade Related Aspects of Intellectual Property Rights (TRIPS) Council and to meetings of the World Intellectual Property Organization (WIPO).

He earned his Masters of Science Degree in Biotechnology from Johns Hopkins University and he has worked as a scientist for American Cyanamid Corporation.

MANUEL RUIZ

Mr. Manuel Ruiz Muller is a Lawyer who has been working on environmental law and policy since 1990. His activities have included legal research and technical assistance in natural protected areas conservation, environmental policy orientation to public and private entities as well as training in environmental law.

Since 1998, Mr. Ruiz has become Director and Principal Researcher in the International Affairs and Biodiversity Program of the Peruvian Society for Environmental Law (SPDA). He has become actively involved in the process to implement the Convention on Biological Diversity (CBD) at the national regional level and international, having participated as part of the Peruvian delegation in the Conference of the Parties of the CBD: (COP) I (Bahamas), II (Jakarta), III (Buenos Aires), IV (Bratislava), V (Nairobi), VI (The Hague), and various meetings of the CBD and in regional governmental experts meetings on genetic resources and plant breeder's rights.

His current position includes providing legal analysis on issues such as access to genetic resources, agrobiodiversity, intellectual property rights, biosafety, indigenous peoples rights and traditional knowledge, biotechnology and general environmental law, among others.

He has also participated as a speaker in events regarding these issues in Peru, Colombia, Chile, Cuba, USA, Bahamas, Canada, Colombia, Costa Rica, Cuba, Indonesia, Jordan, England, Germany, Kenya, México, Morocco, Venezuela, Switzerland, South Africa, Spain, India, Trinidad and Ecuador.

Mr. Ruiz also has expertise in trade, development and environment issues. He has also been a consultant to FIELD, UNCTAD, UNDP, FFLA, IDB, ICTSD, IUCN, South Center, Andean Community, UNDP, FAO, UK Food Group, IPGRI, World Resources Institute, WIPO, among others.

PAUL SCHWANDER

Mr. Paul Schwander is Director Information Acquisition at the European Patent Office (EPO), in charge of acquiring patent and technical information, feeding the search collection of the EPO.

Before holding this position, Mr. Schwander was involved in various patent information activities inside and outside the EPO. From 2001 to 2005, he was in charge of communications and user support for the tools and documentation used by examiners. From 1993 to 2001, he was an EPO Liaison Officer at the European Commission where he was in charge of the IP-Helpdesk and of the formulation and follow-up of co-operation activities between the European Commission and the EPO, and at the Belgian Patent Office where he initiated and promoted new patent information services and co-operation activities between the EPO and the Belgian Patent Office. From 1988 to 1993, he was an examiner in the field of information recording.

Mr. Paul holds a Degree from the Graduate School of Engineering *Ecole Supérieure d'Electricité* (Supélec), Paris, and a Law Degree in IP from University of Strasbourg CEIPI.

Local speakers

SAMIR K. BRAHMACHARI

Prof. Samir K. Brahmachari, former Professor, Indian Institute of Science, Bangalore; Founder-Director, CSIR-Institute of Genomics and Integrative Biology, Delhi; is currently the Director General of the Council of Scientific and Industrial Research (CSIR), which is one of the world's largest publicly funded organization involved in scientific and industrial research,

with 37 constituent laboratories across India. He is also, Secretary to the Government of India, Department of Scientific and Industrial Research.

Mr. Brahmachari is a gifted scientist, a charismatic science leader and an inspirational mentor who combines disruptive innovation, genuine compassion and extreme passion in his own inimitable way.

Mr. Brahmachari pioneered the first Indian functional genomics initiative. He spearheaded the Indian Genome Variation Consortium, which developed the genetic profile of the multi-ethnic, multi-lingual populations of India. He was pivotal in extending this study to the Pan-Asia SNP project. He is also recognized internationally for his outstanding contribution in proposing and elucidating the functional and structural significance of repetitive sequences in genomes and its significance in neuro-psychiatric disorders.

He has pioneered an innovative new path to drug discovery, namely Open Source Drug Discovery which is a CSIR-led team India consortium with global partnerships, with the vision to provide affordable healthcare to the developing world. This has the potential of providing a new way of discovering drugs by creating a platform for collaborations from around the world.

His CSIR 800 initiative caters to the 800 million Indians, who need affordable and accessible technological solutions. His emphasis on Affordable Healthcare and Sustainable Energy speaks volumes for his sense of obligation to the citizens of India and the people of the world.

His business acumen in the context of science is remarkable. He conceptualized and gave shape to Genomed as the first-of-its-kind alliance in India between a government Institute and a private pharmaceutical company; a unique model distinctly different from contractual research/technology transfer. He has also been instrumental in establishing The Centre for Genomic Application (TCGA), an organization that was the first of its kind to look at opportunities in core -shared research facility by leveraging domain specializations and accessing competencies to provide high quality platform for genomic research.

Foreseeing the shortfall of trained scientific manpower, he has initialized the creation of the Academy of Scientific and Innovative Research (AcSIR) which will award degrees in emerging and inter-disciplinary areas. The Academy is expected to add many Ph.Ds in Interdisciplinary areas of Science & Technology and Engineering and also, post-graduates annually to the trained manpower pool of the nation.

He is a member of the HUGO Council and the Advisory Board of the X Prize in Genomics. As a member of the Expert Group on Human Rights and Biotechnology Commission of United Nations, he has addressed issues of unethical exploitation of genetic resources of the Third World and has championed the concept of Rights of patients in benefit sharing in the development of genomic medicine.

He is a Fellow of all the four national Academies of S&T and Engineering in India and the recipient of the Shanti Swarup Bhatnagar Prize and many other Awards, both national and international.

In 2009, the Week magazine chose him as one of the twenty-five most valuable Indians and recognized him as "the ideas man".

V.K. GUPTA

Presently, Dr. V.K. Gupta is holding the position of Senior Advisor and Director TKDL in Council of Scientific and Industrial Research (CSIR) and Chairman, TKDL Task Force. Prior to this, he was the Director of two laboratories of CSIR – National Institute of Science Communication and Information Resources (NISCAIR) and also had the additional charge for National Institute of Science, Technology and Development Studies (NISTADS). He had also held the post of Director, SAARC Documentation Center (SDC) and Deputy Director General, National Informatics Center, Government of India.

He is the author, architect and implementer of the TKDL Project. He is responsible for developing an innovative classification system in TK known as TKRC. He has created international awareness on TK for its acceptance and recognition.

He has published and presented more than 120 scientific papers in various international journals/conferences, on the protection of TK, intellectual property rights and information technology.

ALPANA JAIN (Mrs.)

Mrs. Alpina Jain is Senior Technical Officer in the Traditional Knowledge Digital Library (TKDL) Unit of the Council of Scientific and Industrial Research (CSIR). She is coordinating all the activities related to Information Technology in the project, which includes software development, project coordination and on site implementation.

She completed her post graduation and did her professional courses on Information Technology and Systems Management. She worked on different software tools and technologies, which had direct application in the current activities in TKDL project.

Earlier she worked as a Software Engineer on different projects for several years. She worked on different overseas projects, such as the Bhutan Industrial Property Automation System, Government of Bhutan, and the Petroleum Argus, United Kingdom, where she was a team leader and engaged in project management activities.

ARCHANA SHARMA (Mrs.)

Dr Archana Sharma is a Senior Scientist in Council of Scientific and Industrial Research (CSIR), and is presently holding the position of TKDL-Yoga Coordinator in Traditional knowledge Digital Library (TKDL) Unit of the CSIR.

Dr Sharma has been responsible for integrating multimedia concepts in the TKDL for establishing prior art and made significant contributions in identifying cases of misappropriation. She has established a Global IP Watch System concerning the biopiracy of India's traditional knowledge.

Holding a PhD in chemical science and skilled in intellectual property (IP) related issues, Dr Sharma earlier held the post of Coordinator, SAARC Documentation Centre and Editor, Indian Journal of Chemical Technology and Indian Journal of Engineering and Materials Sciences. She was also an Editorial Board Member of the Journal of Environmental and Chemical Sciences and Editor for the Asia Pacific Nanotechnology Forum Journal, Australia. She was also associated with the IGNOU-IP courses.

She published several scientific publications in national and international journals, such as Faraday Transactions, United States; Journal of Physical Chemistry, United States; Journal of Crystal Growth; Journal of Chemical Education, United States, to her credit and authored and edited some books and monographs.

BALA SUBRAMANIAM

Dr. Bala Subramaniam is a Scientist 'G' in the Traditional Knowledge Digital Library (TKDL) Unit of the Council of Scientific and Industrial Research (CSIR). Since 2002, he is the coordinator of the TKDL. He has been able to classify all the medicinal plants used in traditional medicine system in Traditional Knowledge Resource Classification (TKRC) and to develop its concordance with the International Patent Classification.

Since January 1979, Dr. Subramaniam was associated with the Wealth of India, Raw Materials project wherein encyclopedic volumes on Indian raw material resources were brought out.

Dr. Subramaniam carried out the research work on Biological Nitrogen Fixation of legume Rhizobium association with the objective of utilizing this combination for restoration of vegetation in degraded ecosystems of Dehra Dun. Dr. Subramaniam also guided student(s) for Ph.D. work. He has 28 research papers and four books to his credit.

Dr. Subramaniam worked on CSIR-DAAD programme under the Scientific and Technical Co-operation between the Government of India and the Government of Germany. He extensively worked on neglected perennial crops of potential food value.

WIPO speakers

BEGOÑA VENERO (Ms.)

Ms. Begonia Venero heads the Genetic Resources and Traditional Knowledge Section of the Traditional Knowledge Division of the World Intellectual Property Organization (WIPO).

She received a Law Degree from the Pontificia Universidad Catolica del Peru (Lima, Peru) and a Diploma on international studies on industrial property from the Centre d'études internationales de la propriété industrielle, Université Robert Schuman (Strasbourg, France).

Before joining WIPO, she chaired the Intellectual Property Board of Appeals of the Peruvian National Institute for the Defense of Competition and Protection of Intellectual Property (INDECOP) and the National Commission for the protection of access to Peruvian biological diversity and to the collective knowledge of the indigenous peoples. Formerly, she was Head of the Peruvian Patent Office.

She has written articles on intellectual property, protection of traditional knowledge, access to genetic resources and benefit sharing.

WEND WENDLAND

Wend Wendland is the Director of the Traditional Knowledge Division at the World Intellectual Property Organization (WIPO) in Geneva, Switzerland, and is the Secretary to the WIPO Intergovernmental Committee on Intellectual Property and Genetic Resources, Traditional Knowledge and Folklore (the IGC). Mr. Wendland was a founding member of WIPO's Traditional Knowledge Division at its establishment in late 1997.

Before joining WIPO, Mr. Wendland was in private law practice for eight years in Johannesburg, South Africa as a partner of Webber Wentzel, one of South Africa's largest and leading law firms. He practiced law in the fields of copyright and related rights, competition law and media/broadcasting law. He also taught copyright and trademark law part-time at the University of Witwatersrand, Johannesburg. When he left Webber Wentzel to join WIPO in 1997, he was Head of the firm's Intellectual Property Department.

Mr. Wendland obtained his BA and LLB degrees in 1984 and 1986 respectively (University of Cape Town), and a LLM degree in copyright, trademark and competition law in 1996 (University of South Africa). He received an award as the "most meritorious candidate attorney of the year" in 1988, and was admitted as an Attorney of the Supreme Court of South Africa in 1989.

Mr. Wendland has published widely in the fields of intellectual property, competition law, media law, cultural heritage and traditional knowledge.

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