



Nominations for Officers and Executive Committee Members

30th CODATA General Assembly, Denver, CO., USA,

11 September 2016

Covering Note on Elections of CODATA Officers and Executive Committee

CODATA Members as well as Task Groups and Working Groups are invited to make nominations for the election of Officers and Ordinary Members of the Executive Committee.

- For Members (National, Regional, Union, Co-Opted, Affiliate and Members-at-Large) nominations should be submitted by the Members' respective CODATA delegate.
- For Task Groups and Working Groups, nominations should be submitted by Group's Chair(s), with the agreement of the members.
- The Constitution does not specify how many candidates a Member or Task Group may nominate for a given position.

Nominations should be completed on the following form and submitted to the CODATA Secretariat by **1 April 2016**, in order that a provisional list of candidates can be distributed to delegates by **30 April 2016**. Additional candidates, in receipt of more than four nominations, may be added up to **1 July 2016**, in order that delegates receive the definitive Official List by **11 July 2016**.

Eligibility

Above all, candidates should be nominated for their ability to contribute to CODATA's mission and its strategic objectives and activities, as articulated in the updated [CODATA Strategic Plan, 2013-18: 'Exploiting the Data Revolution'](#)

Please note the following eligibility criteria: 'A candidate for Officer or Ordinary Member of the Executive Committee, at the time of election, must be a long-term resident of, or have primary affiliation with, the territory of a voting National or Regional Member **or** must be the official Delegate of a Member Union or Co-Opted Organization, or the official Delegate of the Affiliate Members or the At-Large Members.' [Statute 6.1.a] Please consult the [CODATA Constitution](#) for other eligibility criteria.

Open Offices

The Officers open for election at the 30th CODATA General Assembly, Denver, CO., USA, 11 September 2016 are:

- Secretary-General (to serve 2016-20)
- Treasurer (to serve 2016-20)
- Executive Committee Ordinary Member (8 to be elected, to serve 2016-18)

Nominating Committee 2014-18

The nominating committee 2010-14 comprises GUO Huadong, China, (Former President and Chair); Mark Thorley (UK), Elizabeth Griffin (IAU) and Mary Zborowski (Canada).

Submission Procedure and Deadline

Please submit the completed form by e-mail to Simon Hodson, CODATA Executive Director at simon@codata.org no later than **1 April 2016**. This will allow the provisional list of candidates to be distributed by **30 April 2016**.

Nomination Form for the Election of Officers and Executive Committee

30th CODATA General Assembly, Denver, CO., USA, 11 September 2014

Nomination Submitted by	<i>Mustapha Mokrane</i>
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Representing	<i>ICSU World Data System</i>
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Name of Candidate	Prof. Paul Arthur Berkman
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Affiliation	Fletcher School of Law and Diplomacy, Tufts University
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Nationality	United States
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Nominated for	<i>Please Tick</i>
Secretary-General	
Treasurer	
Ordinary Member Executive Committee	X

Scientific Discipline(s)	Science Diplomacy, Oceanography, Earth System Science, Information Technology
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Previous positions held in CODATA	Dates
<i>Co-Chair: International Conference on Data Sharing and Integration for Global Sustainability. International Council of Science (ICSU) / World Data System (WDS) and Committee for Data Science and Technology (CODATA), New Delhi (India).</i>	2014

Please provide a short statement of interest in the role. Please consider in particular what the candidate would bring to the position of CODATA Officer or Ordinary Member of the Executive Committee, and how would they contribute to CODATA's mission and its strategic objectives and activities, as articulated in the updated [CODATA Strategic Plan, 2013-18: 'Exploiting the Data Revolution'](#)? What scientific achievements and leadership in data science and data management issues has the candidate shown which fit them for the role in question? **One Page. Please also attach a short CV of the proposed Candidate.**

We are living during a “*world historical event*” that happens once in a hundred generations (every couple thousand years) when humankind invents a new medium to share information – from stone and clay to papyrus, paper and now digital. With a sense of responsibility, Prof. Berkman will contribute to the Executive Committee of the *Committee on Data for Science and Technology* (CODATA) in each major strategic programme:

a) Data Principles and Practice;

Prof. Berkman will contribute diverse perspectives on data principles and practices from experiences with the: CODATA (i.e., meetings in Berlin, Beijing and New Delhi as well as contributions in the *Data Science Journal*); Joint Committee on Antarctic Data Management; National Archives and Records Administration; Library of Congress; National Science Digital Library; Data and Information Service for the International Polar Year 2007-2009; Electronic Geophysical Year; InterPARES Project; Polar Data Forums; Arctic Observing Summits; and the Open Data Institute; as well as from the United Nations World Summit on the Information Society and digital integration companies that he founded.

b) Frontiers of Data Science; and

More than 90% of the data produced is considered to be “unstructured” (i.e., cannot be decomposed into relational schema) without metadata, markup or databases. Prof. Berkman will bring insights as well as experience with using the inherent structure of these unmanaged resources (e.g., pdf files) directly for the purposes of information management and knowledge discovery. Integrating the content, context and structure of digital information will help resolve the challenges as well as realize the opportunities associated with *Big Data*.

c) Capacity Building.

Prof. Berkman has an extensive international and interdisciplinary history regarding sustainability research and applications, Earth system science education and science diplomacy. He recognizes that global sustainability involves balance between national interests and common interests as well as environmental protection, economic prosperity and societal well-being. In view of the urgencies of today and needs of the future, as a member of the CODATA Executive Committee, he will help to build synergies between:

- (a) CODATA and the World Data System, which have complementary data objectives under the umbrella of the International Council of Science (ICSU);
- (b) ICSU Future Earth and the United Nations Sustainable Development Goals, leveraging progress of the Data Task Force for Future Earth; and
- (c) Open data initiatives with innovative archival and analytic strategies.

Overall, Prof. Berkman will bring passion and vision to exploit the data revolution, appreciating that “*knowledge is the common wealth of humanity.*”

PROF. PAUL ARTHUR BERKMAN

Oceanographer, Polar Explorer, Entrepreneur, Global Thought Leader

Professor Paul Arthur Berkman is an internationally-renown scientist, explorer, educator and author who has made significant contributions to the sustainable development of our world during the past three decades. He is especially motivated to establish connections between science, diplomacy and information technology to promote cooperation and prevent discord for good governance of regions beyond sovereign jurisdictions – which account for nearly 70% of the Earth.

Paul was a visiting professor at the University of California at the age of 24, after wintering in Antarctica on a SCUBA research expedition the previous year, and he travelled to all seven continents before the age of 30. He was former Head of the Arctic Ocean Geopolitics Programme at the University of Cambridge. He has been a Research Professor at the University of California Santa Barbara since 2003 and, in September 2015, he joined the Fletcher School of Law and Diplomacy at Tufts University as Professor of Practice in Science Diplomacy. In addition, Prof. Berkman is the: founder and sole-owner of EvREsearch LTD (which has patents in twenty countries); Chief Executive of DigIn (Digital Integration Technology Limited); and Chair of the Foundation for the Good Governance of International Spaces. Prof. Berkman also is the coordinator of the international *Arctic Options* and *Pan-Arctic Options* projects that are funded by government agencies involving Canada, China, France, Norway, Russian Federation and United States from 2013-2020 to address *Holistic Integration for Arctic Coastal-Marine Sustainability*.

He convened and chaired the *Antarctic Treaty Summit* in Washington, DC on the 50th anniversary of the *Antarctic Treaty*, involving 40 sponsoring institutions from around the world along with a keynote address from the United Nations Secretary-General as well as a joint resolution adopted with unanimous consent in the United States House of Representatives and the United States Senate. He also convened the NATO advanced research workshop that became the first formal dialogue between NATO and Russia regarding Arctic security, stimulating subsequent presentations to the Norwegian Parliament and NATO Maritime Command. In addition, Prof. Berkman co-convened and chaired the *Workshop on Safe Ship Operations in the Arctic Ocean* at the International Maritime Organization with more than seventy participating organizations. He also was co-chaired the *International Conference on Data Sharing and Integration for Global Sustainability* convened by the International Council of Science / World Data System and Committee on Data for Science and Technology.

Prof. Berkman serves as an expert consultant and principal investigator on diverse international projects, sharing insights directly with Heads of State and other government leaders as well as captains of industry. He is interviewed regularly by newspapers and magazines as well as by radio and television. He has an extensive record of interdisciplinary publication, including five papers in *Nature* and *Science*. Among his books are: *Environmental Security in the Arctic Ocean* (Springer, 2012) – over 35,000 downloads; *Science Diplomacy: Antarctica, Science and the Governance of International Spaces* (Smithsonian Institution Scholarly Press, 2011); *Environmental Security in the Arctic Ocean: Promoting Cooperation and Preventing Conflict* (Berkman, Routledge, 2010); and *Science into Policy: Global Lessons from Antarctica* (Academic Press, 2002).

For his contributions, Prof. Berkman has received the: Antarctic Service Medal from the United States Congress; NASA Faculty Fellowship at the Jet Propulsion Laboratory, California Institute of Technology; Byrd Fellowship at The Ohio State University; Japan Society for the Promotion of Science Fellowship at the National Institute of Polar Research in Japan; Erskine Fellowship in the Gateway Antarctica, University of Canterbury in New Zealand; and Fulbright Distinguished Scholarship at the University of Cambridge in the United Kingdom as well as being elected to the Norwegian Scientific Academy for Polar Research. Paul has a master's degree and doctorate in biological oceanography from the University of Rhode Island, where he was a National Science Foundation Graduate Fellow. Paul is happily married with two daughters.



CONTACT DETAILS

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