



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>Alik Ismail-Zadeh</i>		
Representing	<i>International Union of Geodesy and Geophysics (IUGG)</i>		
Name of Candidate	<i>Alena Rybkina</i>		
Affiliation	<i>Chief of the Sector of Innovation Technologies, Geophysical Center of the Russian Academy of Science</i>		
Nationality	<i>Russian Federation</i>		
Nominated for	<i>Please Tick</i>		
Secretary-General			
Treasurer			
Ordinary Member Executive Committee	V		
Scientific Discipline(s)	<i>geology and geophysics</i>		
Previous positions held in CODATA	Dates		
<i>Member of CODATA Executive Committee</i>	<i>2014-2016</i>		
<i>Member, CODATA Task Group "Earth and Space Science Data Interoperability"</i>	<i>Since 2011</i>		
<i>Secretary, CODATA Russian National Committee</i>	<i>Since 2015</i>		

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.**

IUGG is pleased to nominate Dr. Alena Rybkina, an early career geoscientist, for the CODATA Executive Committee membership (2016-2018).

Alena is involved in data technology studies and development of spherical projection systems aimed at efficient analysis, demonstration and popularization in data research and management. She is a leader of the ORBUS project that provides a visualization of Earth science data in a spherical projection and in a real time mode. Her research background is in geology, and she is currently working on the palaeo-environmental reconstructions and the Earth's magnetic field studies. She took part in geological expeditions in Russia, Ukraine, France and Italy for collecting paleomagnetic data and providing correlations between changes in magnetic data and global astronomical cycles.

Alena is actively involved in the operations of the CODATA Task Group (TG) "Earth and Space Science Data Interoperability". She co-authored the "Atlas of the Earth's Magnetic Field", which was marked as one of the outstanding TG's achievements in 2013. Alena is involved in a number of international projects, including those developed by the Russian Academy of Sciences and the International Institution for Applied System Analysis (IIASA, Laxemburg, Austria).

As a member of the CODATA Executive Committee (2014-2016), she paid a special attention to the promotion of CODATA activities among data and research community and organization of CODATA events involving early career and female scientists. IUGG considers that Alena Rybkina during her next term (if selected) could further promote an international and multi-disciplinary collaboration among data scientists to improve the knowledge and understanding of the Earth system and to contribute to sustainable development of society. She could focus on advocacy of current and future CODATA projects.

Alena Rybkina is experienced in the organization of international and national events devoted to promotion of data science in Russia and other countries and will bring to CODATA her skills in the organization of scientific events. Alena is currently leading the initiative related to the organization of Regional CODATA Eurasia conference, which will be held in September-October 2017. Therefore, her activity fits well the CODATA Strategic Plan related to promotion of data principles, policies and practice among nations.

CURRICULUM VITAE

Alena RYBKINA



1. Date of birth: 17/06/1988

2. Nationality: Russian

3. Civil status: Russian citizen

4. Tel.: +7 903 660 77 61 (mobile)

5. E-mail: a.rybkina@gcras.ru

6. Education: Lomonosov Moscow State University, geological department 7/2004-6/2011;

7. Degrees: PhD in sedimentology; master in geology sciences, degree with distinction (Lomonosov Moscow State University).

8. Language skills: Russian (excellent), English (excellent), French (fair).

9. Positions in Russia:

- Since 2011, Head of the Sector of innovation technologies, Geophysical Center of the Russian Academy of Sciences (GC RAS).

10. International Positions:

- Since 2014, Executive Committee member of CODATA.

10. Membership in international organizations and executed projects:

- 2015-2016, leader of the organizing committee of International conference “Data Intensive System Analysis for Geohazard Studies”, Sochi, Russia, 18-21 July 2016.
- Since 2015, Secretary of the CODATA Russian national committee.
- Since 2015, development of the Second Edition of the Atlas of the Earth’s Magnetic Field.
- 2013, leader of the organizing committee of International conference “Geophysical observatories, multifunctional GIS and data mining” (Kaluga, Russia, 30 September – 3 October 2013).
- 2012-2014, development of the Atlas of the Earth’s Magnetic Field.
- 2012, leader of the Russian-German team for promoting science in education.
- Since 2011, member of the CODATA Task Group “Earth and Space Science Data Interoperability”.
- 2010-2011, leader of the organizing committee of International conference “Artificial Intelligence in the Earth’s Magnetic Field Study. INTERMAGNET Russian Segment” (Uglich, Russia, 26-28 January 2011).
- 2010, invited researcher in GIS studies at NOAA, Boulder, USA.
- 2008-2009, leader of the organizing committee of International conference “Electronic geophysical year: state of the art and results” (Pereslavl, Russia, 3-6 June 2009).

11. Membership in national projects:

- 2014-2016, deputy chair of the project "Development of innovation technology and creation of an experimental hardware and software for monitoring of extreme geomagnetic phenomena using ground and satellite data" funded by the Ministry of education and science of Russia.
- Since 2007, leading designer of the national project initiated by the Russian Academy of Sciences on development and creation of integral geoinformation analytical system “Earth Science Data for the Territory of Russia” involving various Earth science data and artificial intelligence algorithmic core for interactive data processing and analysis (e.g., project RFBR 08-07-00106-a).
- In 2012, head of RFBR project “Development of the methodology and visualization of the geomagnetic data on the multifunctional projection system with the spherical screen real time”.
- Since 2012, leader of the spherical visualisation educational project, aimed at development of educational content for a new generation of demonstration equipment basing on ORBUS software and spherical screen. Spherical projection makes it possible to visualize raster images, multimedia files and dynamic animations in order to display the processes, taking place on Earth and other astronomical bodies.
- Since 2011, founder of the project “ORBUS” – visualization technology for the Earth science data.
- In 2009-2011, scientific secretary of electronic multimedia journal “Bulletin of Earth Sciences Branch of RAS”, which reports news related to geosciences.

12. Key qualifications: geology, paleoclimate and paleoenvironmental change, Earth’s magnetic field, GIS, modern visualization tools, system analysis.