

# 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](mailto: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.