

III International Scientific and Practical Conference
BIG DATA IN EDUCATION:
DATA-ANTHROPO
for Development Policies and Practices

October 14 th 2022

City of Moscow



PROGRAM

III International Scientific and Practical Conference «BIG DATA IN EDUCATION: DATA-ANTHROPO FOR DEVELOPMENT POLICIES AND PRACTICES»

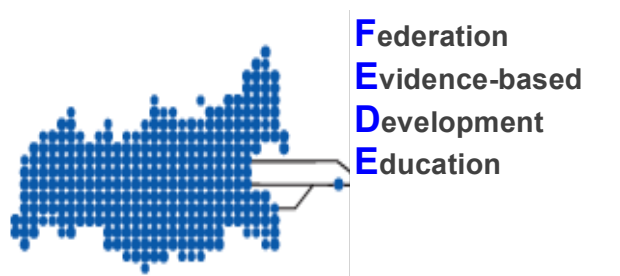


October 14th 2022

*organized within the framework of the scientific project 19-29-14016
of the Russian Foundation for Basic Research*

with organizational support

Federation of Evidence-based Development of Education



*National Research «Tomsk State University»
University Consortium Big Data Researchers*



National Research
**Tomsk
State
University**



**University
Consortium
Big Data
Researchers**

with information support

*the Journal «Izvestia of the Russian Academy of Education»
the Journal «Questions of Education»
the Journal «Pedagogy»*

III International Scientific and Practical Conference "Big Data in Education: Data-Anthropo for Development Policies and Practices" is a logical continuation of the conferences <http://bigdata-edu.com>

★ I Conference "Big Data in Education: Data Analysis as the Basis for Management Decisions" - October 15, 2020 <http://bigdata-edu.com/conference-2020.php>

★ II Conference "Big Data in Education: Evidence-Based Development of Education" - October 15, 2021 <http://bigdata-edu.com/conference-2021.php>

★ III Conference "Big Data in Education: Data-Anthropo for Development Policies and Practices" - October 14, 2022 <http://bigdata-edu.com/conference-2022.php>

The theme of the III conference is focused on issues of human development and education based on data analysis (pedagogical research data, quality assessment data, monitoring data, data from digital educational environments, etc.).

In socially oriented states and state development programs, the methodological and analytical tools for analyzing data in the context of human development are changing. In the context of the implementation of modern policies: the policy of scientific and technological development, the policy of digital transformation, the social policy of human development, educational policy - many countries are building models of data architectures, development monitoring, focusing on the Anthropo-Data analytical approach.

The Anthropo-Data approach in data analytics is based on the application of analysis methods that identify determinants and correlations in the development of a person and human communities. For this, a system of indicators is used, including metrics of human development (development values, satisfaction with the development opportunities provided, conditions for self-realization, choice, participation of the person himself in the implementation of development policies).

Questions discussed at the conference: how does the humanitarian component of data analytics manifest itself in analytical pedagogical and analytical management activities? Is it possible and how to identify the problems and tasks of human development in big data arrays? How to focus the evaluation, monitoring and analytical optics on the values and conditions of human development? How to organize the analysis of educational data to improve the quality of teaching?

In the UNDP Report on Human Development. Next frontier. Human Development and the Anthropocene" presents a new look at human development, offering an adjusted methodology for calculating and indicators of the Human Development Index.

The conference will address issues of big data analytics in education, mechanisms for implementing data-based management decisions, evidence-based policies and practices of human development through project-program (government programs and development projects), instrumental-evaluative (monitoring and analytics) and methodological (educational) programs) funds.

Sections, master class, round tables of the conference:

1. Section "Humanitarian optics of big data analysis: Data-Anthropo at different levels of education management".
2. Section "Digital educational environments and data architectures for human development analytics".
3. Round table "Evidence-Based Pedagogy: Methodology, Tools, Research, Evidence-Based Practices of Human Development".
4. Section "Pedagogical analysis of educational data to improve the quality of teaching."
5. Section "Education monitoring methods: Data-Anthropo analytics tools at the industry level (education), intersectoral, state level".
6. Section "Educational practices of working with big data at school and university".
7. Round table of the University Consortium of Big Data Researchers "Big data in the analysis of the educational success of Russian universities".
8. Master class "From grants to patents and converting research results into knowledge systems and educational practice."

09.00 – 09.50 – Registration of participants

Exhibition of publications of interdisciplinary research within the framework of the RFBR scientific project (you can download publications by QR codes)
Interview at the conference press wall

10.00 – conference opening <http://bigdata-edu.com/conference-2022.php>

Welcome speech by the representative of the Ministry of Science and Higher Education of the Russian Federation - Deputy Minister Daria Borisovna Kiryanova

Welcome speech by the representative of the Ministry of Digital Development of the Russian Federation - Director of the e-Government Infrastructure Development Department Sergey Borisovich Tsvetkov

Welcome speech by the representative of the Russian Academy of Sciences - Director of the Institute for System Programming, Academician of the Russian Academy of Sciences, Doctor of Physical and Mathematical Sciences Arutyun Ishkhanovich Avetisyan

Welcome speech by the representative of the Ministry of Education of the Russian Federation – Vice-President of the Russian Academy of Education, Academician of the Russian Academy of Education, Rector of Tomsk State University, Doctor of Psychology Eduard Vladimirovich Galazhinsky

10.30 – orientation reports <http://bigdata-edu.com/conference-2022.php>

10.30 "National Data Management System: Opportunities for Policies and Practices of Territorial, Sectoral, Socio-Economic Development"

representative of the Analytical Center under the Government of the Russian Federation (to be agreed)

10.40 "Data analysis, software, open source and education through research"

Harutyun Ishkhanovich Avetisyan Academician of the Russian Academy of Sciences, Director of the Institute for System Programming of the Russian Academy of Sciences, Doctor of Physical and Mathematical Sciences

10.50 "Program of Fundamental Interdisciplinary Research of Digital Transformation of Education: from Conception to Reflection of Results"

Aleksey Lvovich Semenov Academician of the Russian Academy of Sciences, Academician of the Russian Academy of Education, Director of TsNIRTI named after A.I. Academician A.I. Berg of the Russian Academy of Sciences, scientific coordinator of the RFBR program, Doctor of Physical and Mathematical Sciences

11.00 "Data-Anthropo methodological approach in big data analytics for development policies and practices"

Olga Alexandrovna Agatova RFBR project manager 19-20-14016, co-chairman of the program and organizing committees of the conference, doctor of pedagogical sciences

11.15 "Data-Anthropo in research of human and generational cognitive development: "Growing up with Russia" project

Sergei Borisovich Malykh, Academician of the Russian Academy of Education, Academician-Secretary of the Department of Psychology and Developmental Physiology of the Russian Academy of Education, Doctor of Psychology

11.25 "Pedagogical analysis of educational data to improve the quality of teaching"

Elena Ivanovna Kazakova, Corresponding Member of the Russian Academy of Education, Director of the Institute of Pedagogics of St. Petersburg State University, Doctor of Pedagogical Sciences

11.35 "Paradoxes of Data-Anthropo: can a student's patent be considered an educational result and be taken into account in the analytics of the activities of Russian schools?"

Elena Leonardovna Bogdanova Scientific Supervisor of the Basic Center for Technology and Innovation Support of Rospatent, Managing Director of the International Scientific and Educational Project "School Patent", Director of the

REC "Economics and Management of Intellectual Property", Doctor of Economics; Olga Valentinovna Vidyakina Patent Attorney, Director of the Department of Consulting and Audit of Intellectual Property, Head of the IP-ADVISOR GROUP of the TISC Association, Moscow State Technical University. N.E. Bauman, candidate of economic sciences

11.45 "Education Monitoring as a Data Analysis Tool for Development Policies and Practices"

Boris Valentinovich Ilyukhin RFBR Project 19-29-140-16, Director of the Research Center for Education Assessment and Quality Management Systems, Russian Academy of National Economy and Public Administration under the President of the Russian Federation

12.00 – 12.15 Coffee pause

12.15- 14.30 Breakout sessions

Section 1. Humanitarian optics of big data analysis (Data-Anthrope) at different levels of education management <http://bigdata-edu.com/conference-2022.php>

Section leaders:

Novokreshchenov Ilya Vladimirovich, Deputy Head of the Department of Education and Science of the City of Moscow

Agatova Olga Aleksandrovna, Doctor of Pedagogy, Project Manager of the Russian Foundation for Basic Research 19-20-14016 "Big data analysis methodology and its integration into professional development programs for teachers and education leaders"

12.15 Novokreshchenov Ilya Vladimirovich **Management of territorial educational complexes based on data analysis (experience of the city of Moscow)**

12.25 Danilchenko Sergey Leonidovich Doctor of Historical Sciences, Director of the Regional Scientific Center of the Russian Academy of Education in Sevastopol, Professor of the Sevastopol State University **"Analysis and interpretation of big data as a modern tool for the formation of educational policy"**

12.35 Savinykh Galina Petrovna Candidate of Pedagogical Sciences, Head of the Pro-segment **"The factor of intra-school systems for assessing the quality of education in the effectiveness of data-based management"**

12.45 Barabas Andrey Aleksandrovich Candidate of Pedagogical Sciences, Associate Professor of the Regional Center for Educational Quality Assessment, Chelyabinsk Region **«The practice of using information systems as an information and evaluation tool for managing the quality of education in the regional education system (on the example of the experience of the Chelyabinsk region)»**

12.55 Kaprin Andrey Dmitrievich Academician of the Russian Academy of Education, Academician of the Russian Academy of Sciences, Doctor of Medical Sciences, General Director of the Federal State Budgetary Institution National Medical Research Center for Radiology of the Ministry of Health of Russia; Zharova Elena Petrovna Associate Professor of the Russian Academy of Education, Candidate of Medical Sciences, Scientific Secretary of the Federal State Budgetary Institution National Medical Research Center for Radiology of the Ministry of Health of Russia; Shakhzadova Anna Olegovna Researcher of the Federal State Budgetary Institution National Medical Research Center for Radiology of the Ministry of Health of Russia; Shegay Petr Viktorovich Candidate of Medical Sciences, Deputy General Director for Science of the Federal State Budgetary Institution National Medical Research Center for Radiology of the Ministry of Health of Russia **«The State Cancer Data Registry of the Russian Federation as a Tool for the Development of Regional Human Resources, Competent in Cancer Care in the Regions and Professional Training of Primary Care Cancer Doctors»**

13.05 Leskina Irina Nikolaevna Candidate of Pedagogical Sciences, Associate Professor of the Department of Informatics and Information Technologies of the SBEE DPO "Nizhny Novgorod Institute for the Development of Education" **«Management of the effectiveness of professional activity based on working with big data in general education»**

13.15 Nagovitsyn Roman Sergeevich Doctor of Pedagogy, Professor of the Glazov State Pedagogical Institute named after V.G. Korolenko «**Forecasting the employment of graduates of pedagogical profiles based on artificial intelligence technologies and data analysis**»

13.25 Nabibekova Gulnara Chingiz Doctor of Philosophy in Technical Sciences, Head of Department of the Institute of Information Technologies of the National Academy of Sciences of Azerbaijan «**The technology of complex multidimensional analysis of OLAP data within the framework of the emerging environment "E-Science" of the state program E-Azerbaijan**»

13.35 Sidorenko Inna Vladimirovna Deputy Director for Academic Affairs, BPOU "Omsk Motor Transport College" «**Analytical management activity as a means of strategic planning for the development of a professional organization**»

13.45 Mikidenko Natalya Leonidovna Candidate of Sociological Sciences, Associate Professor of the Department of SCT; Storozheva Svetlana Petrovna Candidate of Cultural Studies, Associate Professor of the Department of SKT FSBEI HE SibGUTI, Novosibirsk «**Experience in using data on the behavior of digital library users**»

13.55 Milkevich Oksana Anatolyevna Doctor of Pedagogical Sciences, Professor of the Department of Pedagogical Education, Sevastopol State University «**Designing regional educational systems based on big data analysis**»

14.05 Dozhdikov Anton Valentinovich Candidate of Political Sciences, Director of the Center for Educational Data Analytics FIRO FSBEI HE "Russian Academy of National Economy and Public Administration under the President of the Russian Federation" «**Analysis of data on educational migration of various categories of graduates on the example of one region**»

14.15 – 14.30 *Formulation of proposals in the resolution of the conference from the section*

Section 2. Digital educational environments and data architectures for human development analytics

<http://bigdata-edu.com/conference-2022.php>

Section leaders:

Vadim Valeryevich Grinshkun Academician of the Russian Academy of Education, Doctor of Pedagogical Sciences, Scientific Supervisor of the Laboratory for the Development of the Digital Educational Environment of the Education Development Center of the Russian Academy of Education

Robert Irena Venyaminovna Academician of the Russian Academy of Education, Doctor of Pedagogical Sciences, Head of the Scientific School "Informatization of Education"

12.15 Kalimullin Aidar Minimansurovich Doctor of Historical Sciences, Director of the Institute of Psychology and Education of the Kazan Federal University; Sheimordanov Shamil Fatovich Candidate of Pedagogical Sciences, Deputy Director of the Institute of Psychology and Education of Kazan Federal University «**Digital platform for collecting, analyzing and interpreting data on accompanying children with ASD**»

12.25 Grinshkun Vadim Valeryevich Academician of the Russian Academy of Education, Doctor of Pedagogy, Scientific Supervisor of the Laboratory for the Development of the Digital Educational Environment of the Education Development Center of the Russian Academy of Education «**The use of hierarchies for content content of the components of the digital educational environment**»

12.35 Nikulicheva Nataliya Viktorovna Candidate of Pedagogical Sciences, Senior Research Fellow, FIRO FSBEI HE "Russian Academy of National Economy and Public Administration under the President of the Russian Federation" «**Accounting and analysis of educational data for distance learning**»

12.55 Shmatko Aleksey Dmitrievich Doctor of Economics, Professor of the Russian Academy of Education, Director of the IPRE of the Russian Academy of Sciences «**Directions of digital transformation of the educational space of higher educational institutions in modern conditions (on the example of cases of Tula State Pedagogical University and Baltic State Technical University)**»

13.05 Ivanova Daria Sergeevna Candidate of Pedagogical Sciences, Associate Professor of the Federal State Budgetary Educational Institution of Higher Education "Ryazan State University named after SA Yesenin"; Serov Anatoly Alexandrovich Candidate of Physical and Mathematical Sciences, Associate Professor, Tver State University «**Some Approaches to the Application of Big Data Technologies and Artificial Neural Networks in Primary and Secondary General Education**»

13.15 Yar-Mukhamedov Ildar Gizaevich Senior Researcher, Associate Professor of the Institute of Mechanical Engineering and Automation of the National Academy of Sciences of Kyrgyzstan «**Smart data analysis technologies using artificial intelligence**»

13.25 Marko Anton Alexandrovich Candidate of Physical and Mathematical Sciences, Deputy Director of the State Budgetary Educational Institution "City Methodological Center DONM Moscow" «**Virtual Labs as a Tool for Digital Didactics**»

13.35 Shal Olesya Vasilievna Deputy Director for Scientific and Methodological Work of MBOU "Poykovskaya Secondary School No. 2", teacher of the highest qualification category «**Organization of independent work of students in chemistry lessons with the help of algorithmic programs**»

13.55 Latyshev Denis Valentinovich Candidate of Pedagogical Sciences, Associate Professor of the Department of Human Resources Management and Economics in Education, Volgograd Social and Pedagogical University «**Trends in the Digital Transformation of Education: Technologies and Practices**»

14.05 Erofeeva Maria Alexandrovna Doctor of Pedagogical Sciences, Professor of the Moscow University of the Ministry of Internal Affairs of Russia. V.Ya Kikotya «**Experience in designing and implementing the electronic course "Theory of Education and Pedagogical Technologies" in the process of training inspectors for juvenile affairs**»

14.15 Robert Irena Venyaminovna Academician of the Russian Academy of Education, Doctor of Pedagogical Sciences, Head of the Scientific School "Informatization of Education" «**Strategic directions for the development of education in the context of digital transformation**»

14.25 -14.30 *Formulation of proposals in the resolution of the conference from the section*

Section 3. Pedagogical analysis of educational data to improve the quality of teaching

<http://bigdata-edu.com/conference-2022.php>

Section leaders:

Kazakova Elena Ivanovna Doctor of Pedagogy, Scientific Supervisor of the Center for the Development of Pedagogical Education of the Russian Academy of Education, Corresponding Member of the Russian Academy of Education, Chairman of the FUMO "Education and Pedagogical Sciences"

Malykh Sergey Borisovich Doctor of Psychology, Academician of the Russian Academy of Education, Academician-Secretary of the Department of Psychology and Developmental Physiology of the Russian Academy of Education, Scientific Supervisor of the federal project "Growing with Russia"

12.15 Malygin Aleksey Aleksandrovich Candidate of Pedagogical Sciences, Rector of Ivanovo State University «**Adaptive Assessment in the Assessment of Students in the Development of an Evidence-Based Approach in Education**»

SECTION № 3 OF THE CONFERENCE

12.25 Gafarov Fail Mubarakovich Candidate of Physical and Mathematical Sciences, Head of the Department of Kazan Federal University «**Big data in general education: the practice of analyzing grades on current performance in elementary and high schools**»

12.35 Dyusenbayeva Ardak Toleuovna Candidate of Pedagogical Sciences, Senior Manager of the Department of Educational Programs of the Center for Pedagogical Excellence of the AEO "Nazarbayev Intellectual Schools" of the Republic of Kazakhstan «**Possibilities of using data from AIS "Kundelik" to improve the quality of teaching**»

12.45 Sobkin Vladimir Samuilovich Academician of the Russian Academy of Education, Head of the Center for the Sociology of Education of the Federal State Budgetary Scientific Institution "Institute of Education Management" of the Russian Academy of Education, Scientific Supervisor of the Laboratory of Sociological Research in Education of the Central Regional Education Center of the Russian Academy of Education, Doctor of Psychology; Kolomiets Yury Olegovich Deputy Head of the Center for the Sociology of Education of the Federal State Budgetary Scientific Institution "Institute of Education Management" of the Russian Academy of Education, Head of the Laboratory of Sociological Research in Education of the Central Regional Education Center of the Russian Academy of Education; Adamchuk Dmitry Vladimirovich Head of the Laboratory for Monitoring Sociological Research in Education of the Center for Social Education of the Federal State Budgetary Scientific Institution "Institute of Education Management of the Russian Academy of Education", Leading Analyst of the Laboratory for Sociological Research in Education of the Central Regional Education Center of the Russian Academy of Education; Kalashnikova Ekaterina Alexandrovna Candidate of Psychological Sciences, Leading Researcher of the Laboratory of Monitoring Sociological Research in Education, Center for Social Education of the Federal State Budgetary Scientific Institution "Institute of Education Management of the Russian Academy of Education"; Lykova Tatyana Anatolyevna Candidate of Sciences in Psychology, Leading Researcher at the Laboratory of Monitoring Sociological Research in Education, Center for Social Education of the Federal State Budgetary Scientific Institution "Institute of Education Management" of the Russian Academy of Education «**Analysis of sociological research data: the attitude of parents to the teaching load of students**»

12.55 Shevchenko G.I. candidate of pedagogical sciences; Alexander A.I. candidate of pedagogical sciences; Rybakova A.A. candidate of pedagogical sciences; Brynza S.Yu. Candidate of Pedagogical Sciences FGAOU HE "North Caucasus Federal University" «**Determination of the level of formation of students' professional competencies based on the analysis of the active digital footprint**»

13.05 Zaslavskaya Olga Yurievna Doctor of Pedagogical Sciences, Professor of the State Autonomous Educational Institution of Higher Education "Moscow City Pedagogical University" «**Possibilities of building an individual educational trajectory based on the use of Big Data technology**»

13.15 Akashina Nilya Mukhamedovna Deputy Director of MBOU School 9 with in-depth study of English Novo-Savinovsky district of the city of Kazan «**Analysis of data on bilingual children and their inclusion in pedagogical work**»

13.25 Fedina Marina Serafimovna Ph.D. in Philology, Head of the Center for Research and International Cooperation, State Budgetary Educational Institution of Higher Education Komi Republican Academy of Public Administration and Management «**The use of data from the national corpus of the Komi language in ethnocultural education**»

13.35 Lymarev Vitaly Nikolaevich Candidate of Pedagogical Sciences, Associate Professor of the Department of the Perm Military Institute of the National Guard Troops of the Russian Federation «**Formation of the value content of the system of military professional training based on the analysis of data on the professional motivation of the servicemen of the Russian Guard**»

13.55 Kabdykarimova Zhanbota Zhetylbekovna Director of the Center for Pedagogical Excellence of the Republic of Kazakhstan «**Training in data management practices for teachers and education leaders**»

14.05 G.Wang, Y. Kang, X. Chen, Y. Zhen, J. Liu PhD Tianjin Normal University, China «**Research on Intelligent Assessment of Mathematics Learning Quality of Primary and Secondary School Students-taking Mathematical Metacognition as an Example**»

14.15 Ershova Regina Vyacheslavovna Doctor of Psychology, Head of Department, Moscow State Regional Humanitarian University, Kolomna **«Teaching the digital generation: social networks as a learning resource»**

14.25– 14.30 *Formulation of proposals in the resolution of the conference from the section*

Section 4. Transformation of education monitoring methods: Data-Anthro analytics tools at the industry level (education), intersectoral, state level
<http://bigdata-edu.com/conference-2022.php>

Section leaders:

Zair-Bek Sergey Izmailovich Leading expert of the Institute of Education of the Higher School of Economics, Candidate of Pedagogical Sciences

Ilyukhin Boris Valentinovich Director of the Research Center FIRO FGBOU VO "Russian Academy of National Economy and Public Administration under the President of the Russian Federation"

12.15 Zair-Bek Sergey Izmailovich Candidate of Pedagogical Sciences, Leading Expert of the Institute of Education of the National Research University Higher School of Economics, Candidate of Pedagogical Sciences; Mertsalova Tatyana Anatolyevna Candidate of Pedagogical Sciences, Leading Expert of the Institute of Education, National Research University Higher School of Economics **«How to use monitoring data to manage the development of education (on the examples of general and additional education)»**

12.25 Baghdasaryan Arsen Gevorkovich Doctor of Physical and Mathematical Sciences, Deputy Director of the Center for Assessment and Testing under the Government of the Republic of Armenia **«Big data in education: multivariate studies of the quality of education»**

12.35 Popova Natalya Lvovna Deputy Director of the Moscow Autonomous Educational Institution "Lyceum No. 38", Nizhny Novgorod **«Analytical model for assessing the quality of the results of educational activities of the lyceum based on software modules for working with big data»**

12.45 Osokin Igor Vladimirovich Head of the Department of Monitoring Research, Statistics and Forecasting, Vologda Institute for the Development of Education **«Personalized support for the development of professional competencies of teachers of schools with poor educational results»**

12.55 Belykh Semen Semenovich Specialist in educational and methodological work of the GAU DPO of the Republic of Sakha (Yakutia) "Institute for the Development of Vocational Education" **«System for a comprehensive assessment of the effectiveness of the activities of professional educational organizations of the Republic of Sakha (Yakutia)»**

13.05 Kruglikov Sergei Vladimirovich Doctor of Technical Sciences, Director of the Joint Institute for Problems in Mathematics of the National Academy of Sciences of Belarus **«Methodological foundations for the design of intelligent information and control systems, including social purposes»**

13.15 Benks Elena Anatolyevna Ph.D. Senior Researcher, Research Center for Educational Quality Assessment and Management Systems, FIRO FGBOU VO "Russian Academy of National Economy and Public Administration under the President of the Russian Federation" **«Construction of a feature space for the analysis of educational results»**

13.25 Losik Grigory Vasilyevich Doctor of Psychology Professor of the Institute of Psychology of the National Academy of Sciences of Belarus **«Psychological aspects of monitoring data analytics»**

13.35 Denis Demidov postgraduate student of FGAEI HE "MGIMO - Moscow State University of International Relations" **«EDUBIM: Information modeling as a tool for evidence-based pedagogy»**

13.45 Brovka Natalya Vladimirovna Doctor of Pedagogical Sciences, Professor of the Belarusian State University; Prokhorov Dmitry Ivanovich expert of the Minsk City Institute for the Development of Education, Belarus «**Organization of a system for advanced training of teachers of mathematics based on quality assessment data and monitoring of the education system**»

13.55 Zsolt Demetrovich Professor of Eötvös Loránd University of Hungary «**Security and Ethical Considerations When Working with Big Data in Digital Environments**»

14.05 Abdulahad M., Tajik State Pedagogical University named after Sadriiddina Aini, Dushanbe, Nazarov A.P. Pedagogical Institute of Tajikistan, Penjikent "**Facilitating the teacher's work with an objective assessment of the quality of students' knowledge in physics**"

14.15 Serbina Natalya Pavlovna Senior Researcher, Research Center for Assessment Systems and Quality Management of Education FIRO FSBEI HE "Russian Academy of National Economy and Public Administration under the President of the Russian Federation" «**Resource data - what influences learning outcomes?**»

14.25-14.30 *Formulation of proposals in the resolution of the conference from the section*

Section 5. Educational practices of working with big data at school and university <http://bigdata-edu.com/conference-2022.php>

Section leaders:

Elena Leonardovna Bogdanova Scientific Supervisor of the Basic Center for Technology and Innovation Support of Rospatent, Managing Director of the International Scientific and Educational Project "School Patent", Director of the REC "Economics and Management of Intellectual Property", Doctor of Economics, Professor

Vidyakina Olga Valentinovna Patent Attorney, Director of the Department of Consulting and Audit of Intellectual Property, Head of the IP-ADVISOR GROUP of the TISC Association, Moscow State Technical University. N.E. Bauman, Candidate of Economic Sciences, Associate Professor

12.15 Bogdanova Elena Leonardovna Scientific Director of the Basic Center for Technology and Innovation Support of Rospatent, Managing Director of the International Scientific and Educational Project "School Patent", Director of the REC "Economics and Management of Intellectual Property", Doctor of Economics, Professor «**Analysis of data on the development of schoolchildren's patent activity (on the example of data analytics of the All-Russian competition "School patent - a step into the future!)**»

12.25 Vidyakina Olga Valentinovna Patent Attorney, Director of the Department of Consulting and Audit of Intellectual Property, Head of the IP-ADVISOR GROUP of the TISC Association, Moscow State Technical University. N.E. Bauman, Candidate of Economic Sciences, Associate Professor «**Project-Based Learning at the University: Data Analysis**»

12.35 Noskov Mikhail Valerianovich Doctor of Physical and Mathematical Sciences, Professor, Head of the Department of Applied Mathematics and Computer Security of the Institute of Space and Information Technologies, Siberian Federal University «**Analysis of educational data in active information and training systems**»

12.45 Gluzman Alexander Vladimirovich Doctor of Pedagogical Sciences, Director of the Regional Scientific Center of the Russian Academy of Education FGAOU VO "Crimean Federal University. IN AND. Vernadsky", Gluzman Alina Alexandrovna Candidate of Pedagogical Sciences, Director of the Center for International and Project Activities of the FGAEI HE "Crimean Federal University IN AND. Vernadsky" «**Web-space of the university in the organization of project-based learning**»

12.55 Ermolina Ksenia Andreevna Head of digital development projects of the Dobrograd Special Economic Zone, PhD student of the Institute for Education Development Strategy of the Russian Academy of Education, CEO of the

ROUND TABLES OF THE CONFERENCE

Edutainment Industries Assessment Center «**What data should a startupper operate in order to argue to an investor about the potential success of a startup?**»

13.05 Bagdasaryan Lusine Shagenovna Candidate of Philosophical Sciences, Associate Professor of the Department of Informatics of the Institute of Digital Development of the North Caucasus Federal University; Kulikova Tatyana Anatolyevna Candidate of Pedagogical Sciences, Head of the Basic Department of Information Technologies in Education of the Institute of Digital Development of the Federal State Autonomous Educational Institution of Higher Education North Caucasus Federal University «**Possibilities of intelligent data analysis technologies for the development of research activity of students**»

13.15 Benoit Anne директор факультета информатики Institut Francais de l'Education (IFE) «**Di-Comp-Edu**»

13.25 Glushkova T.A., Krasteva I.K. PhD, Plovdiv University Paisiy Hilendarsky, Bulgaria «**Application of block programming for the formation of key digital competencies in teaching in high school**»

13.35 Khudyakova Anna Vladimirovna Candidate of Pedagogical Sciences, Associate Professor, Perm State Humanitarian and Pedagogical University «**Formation of competencies in the field of analysis and interpretation of educational data among future teachers**»

13.45 Kalakov Nikolai Ilyich Doctor of Pedagogical Sciences, Professor, Senior Researcher of the VA Strategic Missile Forces named after. Peter the Great «**Development of the potential of children and adolescents in the system of continuous education, upbringing, culture and global science**»

13.55 Ali Osman Gibiktiken PhD Karatay University, Turkey; Haydar Bulgak PhD Selcuk University, Turkey; Dilyaver Eminov CR2 Ltd Dublin, Ireland «**AI constructor 4:0 in education**»

14.05 Zharova Marina Vladislavovna Deputy Director of the Institute of Management of the Russian State Pedagogical University. Hercena A.I., Candidate of Pedagogical Sciences «**Analysis of data on the impact of social capital on the social activity of young students**»

14.15 Makrides Gregory Cyprus Mathematical Society, THALES Foundation, Nicosia, Cyprus «**A Paradigm Shift to Education 4:0**»

14.25–14.30 *Formulation of proposals into a resolution from the section*

14.30 –14.50 coffee pause

14.50-15.50 – round tables and master classes

14.50–15.50 Round table "Evidence-Based Pedagogy: Methodology, Tools, Research, Evidence-Based Practices of Human Development" with the participation of chairmen of dissertation councils, heads of scientific schools in the field of education sciences, heads of regional scientific centers of the Russian Academy of Education, graduate students, research scientists. <http://bigdata-edu.com/conference-2022.php>

Round table moderators:

Podufalov Nikolai Dmitrievich Academician of the Russian Academy of Education, Doctor of Physical and Mathematical Sciences, Scientific Supervisor of the Laboratory for the Development of Higher Education of the Russian Academy of Education

Boziev Ruslan Sokhievich Corresponding Member of the Russian Academy of Education, Doctor of Pedagogical Sciences, Editor-in-Chief of the journal Pedagogy

Presentations for discussion:

MASTER CLASS OF THE CONFERENCE

15.00 Podufalov Nikolai Dmitrievich Academician of the Russian Academy of Education, Doctor of Physical and Mathematical Sciences, Scientific Supervisor of the Laboratory for the Development of Higher Education; Lazarev Valery Semenovich Academician of the Russian Academy of Education, Doctor of Psychology, Professor of the Department of Psychology of the Faculty of Psychology and Pedagogy "Surgut State Pedagogical University" **«On Methodological and Methodical Problems of Reliability and Evidence in Pedagogical Research»**

15.10 Agatova Olga Alexandrovna Doctor of Pedagogical Sciences, Project Manager RFBR 19-29-14016 **«Patent 2022620439 "Evidence-Based Practice Standard for Education Development": why, why, how?»**

15.20 Solomonov Vladimir Alexandrovich Candidate of Psychological Sciences, Associate Professor of the Department of Pedagogy, Methodology and Technology of Education of Information Security of Automated Systems of the North Caucasus Federal University; Solomonov Dmitry Vladimirovich Associate Professor of the Department of Information Security of Automated Systems of the North Caucasian Federal University; Fomina Elena Alekseevna Candidate of Psychological Sciences, Associate Professor of the Department of Pedagogy, Methodology and Technology of Education, North Caucasian Federal University **«The use of neural network technologies in psychological and pedagogical research: principles of evidence»**

15.30 Round table discussion

15.45 Proposals for the resolution of the Conference on the results of the Round Table

14.50 – 15.50 Round table of the University Consortium of Big Data Researchers "Big data in the analysis of the educational success of Russian universities" with the participation of representatives of the university consortium of big data researchers, conference participants <http://bigdata-edu.com/conference-2022.php>

Round table moderators:

Vyacheslav Leonidovich Goiko General Director of the University Consortium of Big Data Researchers, Director of the Center for Applied Data Analysis of Tomsk State University

Niyaz Kamilevich Gabdrakhmanov Researcher, Institute of Education, Higher School of Economics

Presentations for discussion:

15.00 Gabdrakhmanov Niyaz Kamilevich Leading expert of the Institute of Education of the Higher School of Economics **«Big data in the analysis of educational success of Russian university students»**

15.10 Goiko Vyacheslav Leonidovich Director of the University Consortium of Big Data Researchers, Director of the Center for Applied Data Analysis of the Federal State Autonomous Educational Institution of Higher Education Tomsk State University **«Big data tools in universities»**

Representatives of universities participating in the University Consortium of Big Data Researchers

15.20 Round table discussion

15.45 Proposals for the resolution of the Conference on the results of the Round Table

14.50 –15.30 Master class for graduate students and young researchers "From grants to patents and the conversion of research results into knowledge systems and educational practice".
<http://bigdata-edu.com/conference-2022.php>

The master class will cover the specifics of preparing applications for grant projects, the grant research management cycle, the integration of research results into knowledge systems - educational programs, the institutionalization of research results into practice.

The participants of the master class will be presented with the journal Izvestia of the Russian Academy of Education, which includes an article by O.A. Agatova **«Impact science: from RFBR research grant to patents and implementation of developments»**

The master class is attended by young researchers and graduate students implementing grant projects.

PRESENTATION OF DIPLOMAS, CERTIFICATES AND FORMATION OF THE RESOLUTION OF THE CONFERENCE

15.40 Presentation of the collective monograph " Big data in education: data-anthropo for evelopment policies and practices» <http://bigdata-edu.com/conference-2022.php>

Speakers: authors of the chapters of the collective monograph Agatova O.A., Novokreshchenov I.V., Ilyukhin B.V., Zair-Bek S.I., Mertsalova T.A., Savinykh G.P., Gafarov F.M., Khudyakova A.V., Ivanova D.S., Serov A.A.

The collective monograph can be downloaded in digital format using a QR code at the conference.

16.00 Awarding the winners of the III All-Russian competition of cases on data analysis in education and evidence-based development of education

<http://bigdata-edu.com/conference-2022.php>

16.15 Summing up the results of the conference.

Formation of the conference resolution.

Announcement of the planned theme of the conference in 2023

16.30 Presentation of certificates to participants-speakers of the conference.

16.45 Presentation of certificates of experts of the All-Russian Public Assistance Organization Development of Education "Federation for Evidence-Based Development of Education"

17.00 Exchange of opinions, construction of reviews about the conference





Agatova O.A. Data driven education management. Educational and methodical allowance. - Moscow: Moscow University Press, 2022. - 182p.
<http://bigdata-edu.com/docs/2022/lib-003.pdf>



Big data in education: data-anthro for development policies and practices. Collective monograph. Author-compiler Agatova O.A. - Moscow: Nauka Publishing House, 2022. - 200p. <http://bigdata-edu.com/docs/2022/list-002.png>



Agatova O.A. Impact-science: from RFBR research grant to patents and implementation of developments / Proceedings of the Russian Academy of Education, No. 3 (59), 2022. <http://bigdata-edu.com/conference-2022.php/list-004.png>



Semenov A.L., Agatova O.A., Babchenko O.I., Bronstein I.V., Gabdrakhmanov N.K. Extract the meaning: problems of data analysis in education / Educational policy, No. 3 (87), 2021. <https://rffi.1sept.ru/file/2021/11/001ec192-0d87-4660-a2a7-4194be50cef7.pdf>

