



Draft Agenda of the international conference Third “BRICS Water Forum”

Date: May 14-15, 2020

Venue: Kazan Federal University, Kazan

14 May 2020

9.30-10.00	Registration of participants
10.00-10.30	Ceremonial Opening of the conference <i>Representative of the Ministry of Science and Higher Education, Russia</i> <i>Representative of Brazil</i> <i>Representative of India</i> <i>Representative of China</i> <i>Representative of South Africa</i>
10.30-13.00	Thematic session 1. Global water challenges and water cooperation of BRICS countries The session covers topics related to global water challenges, such as water-related Sustainable Development Goals, access to clean water for people living in arid areas and by vulnerable population groups, water-related consequences of climate change, virtual water footprint and related issues. BRICS efforts in addressing these challenges will be highlighted. The session includes up to 8 presentations by researchers, experts and policy-makers followed by Q&A session and discussion. Presentations: <ul style="list-style-type: none">– Comprehensive Nuclear Test-Ban Treaty Organisation (CTBTO) contribution to SDG14: Life Below Water <i>Ilya Kursenko, Kazan Federal University (Russia); Jaona Adriamampandry, University of Antananarivo (Madagascar)</i>– Microplastic and Persistent Organic Pollutants in the Western Taiwan Strait, China <i>Xinhong Wang, Yijing Yang, Jingli Mu, Chao Fang, College of the Environment and Ecology, Xiamen University (China)</i>– TBD <i>Aditi Bairolu, Welingkar Institute of Management (India)</i>
13.00-14.00	Lunch
13.00-18.30	Poster session (<i>in parallel</i>)

14.00-16.30	<p>Thematic session 2. Water resource management and water policy</p> <p>The session focuses on efficient water cycle management at corporate and national levels, including approaches to strategic planning, optimum distributing and effective management of water use. The session includes up to 8 presentations by water companies, policy makers and experts followed by Q&A session and discussion.</p> <p>Presentations:</p> <ul style="list-style-type: none"> – ICID VISION 2030 - sustainable water use in agriculture <i>Irina Bondarik, ICID, All-Russian Institute for hydraulic engineering and land reclamation (Russia)</i>
16.00-16.30	Coffee-break and poster session
16.30 – 18.00	<p>Thematic session 3. Water resources pollution prevention and treatment</p> <p>The session previews the discussion of various approaches to addressing water pollution – from prevention to treatment and water quality monitoring. The session offers a blend of 8 presentations on selected new technologies and their application followed by Q&A.</p> <p>Presentations:</p> <ul style="list-style-type: none"> – Environmental geochemistry and treatment of organic pollutants in aquatic systems in the selected areas of China, India, and Russia <i>Prof. Liu Yajie, East China University of Technology (China)</i> – Water resources of the atmosphere <i>Sergey Dorzhiev, Sergey Piminov, Elena Bazarova, Federal Scientific Agroengineering Center VIM (Russia)</i> – Novel mixer design for effective mixing in water treatment plants <i>Anastasia Grigoreva, Rufat Abiev, St. Petersburg State Institute of Technology (Technical University) (Russia)</i>
18.30	Cultural program for participants

15 May 2020

9.30 – 10.00	Arrival of the participants
10.00–11.30	Thematic session 3. Water resources pollution prevention and treatment <i>(continued)</i>
11.30-12.00	<p>Coffee-break and poster session <i>(in parallel)</i></p> <p>Posters:</p> <ul style="list-style-type: none"> – Prof. Oleg Savichev, Professor, Tomsk Polytechnic University (Russia) – Franck Royer, Product Manager, Klinger GmbH (Germany)
12.00-13.00	<p>Thematic session 4. Water-food-energy nexus in support of water security and sustainable water use</p> <p>Economic and population growth, coupled with ineffective resource use, lead to increasing resource scarcity. Manufacturing, energy industry, and agriculture are among the largest water consumers, while very few companies have closed-loop and lean manufacturing systems in place. The session will feature options for cost-effective green nexus solutions offered by 5 presenters and followed</p>

	<p>by Q&A or a short discussion.</p> <p>Presentations:</p> <ul style="list-style-type: none"> – Water saving technologies in aquaculture for sustainable development of fisheries in arid regions <i>Vladimir Kozlov, “Aquaculture Consulting” (Russia)</i>
13.00-14.00	Lunch
14.00-14.15	BRICS STI Framework Programme: supporting BRICS R&D joint projects (Speaker: STI Programme Call Secretariat – RFBR)
14.15-16.15	<p>Round table “First outcomes of the ‘water’ projects, supported by the BRICS STI Framework Programme”</p> <p>Presenters:</p> <ul style="list-style-type: none"> – <i>Dr Andrey Glazovsky, Institute of Geography of the Russian Academy of Sciences (project BRICS 17-55-80107 “Collaboration on glaciers and snow/ice characteristics variability studies in polar and subpolar regions”)</i> – <i>Prof. Petr Zavialov, Shirshov Institute of Oceanology of the Russian Academy of Sciences (project BRICS2019-075 “River plumes as major mediators of marine plastic pollution”)</i> – <i>TBD (Project BRICS2017-493 Environorganic “Environmental geochemistry and treatment of organic pollutants in aquatic systems in the selected areas of China, India, and Russia”)</i> – <i>TBD (Project BRICS2017-517 “Development of membrane-based methods to improve the recovery of pure water and valuable products from the waste”)</i> – <i>TBD (Project “BRICS2019-243 IRUEMSCARGLRB “Impact of rapid urbanization on the evolution and multi-scale control of antibiotic resistance genes in the large river basin”)</i>
16.15-16.30	Coffee-break
16.30-18.30	<p>Round table “First outcomes of the water projects, supported by the BRICS STI Framework Program” (continued)</p> <ul style="list-style-type: none"> – <i>TBD (Project BRICS2019-439 “Climate change and flow regimes in the plateaus of Asia - Detect and predict the impacts of climate change on the flow regimes of rivers originated from plateaus in Asia”)</i> – <i>Prof. Cai Minggang, College of Ocean and Earth Sciences, Xiamen University</i> – The operational numerical modelling system for the Taiwan Strait <i>Dr Yuwu Jiang, Xinyou Lin, Enhui Liao, Xiamen University</i>
18.30-19.00	Summing up and closure of the conference