**Russian Federation – Wetlands International** ****

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**Realities of cryosphere changes and risks for people**

Tuesday, 10 December 2019,15:00-16:30, Room 4

*Realities of cryosphere changes (glaciers, ice sheets, snow, sea ice, permafrost) and risks for people. Nature-based solution for mitigation and adaptation in the Arctic. Vision of the Russian scientists of what changes of the ice we observe on the Planet including the key scientific outcomes of the Lake Vostok drilling in the Antarctic.*

Introduction

**Igor Shumakov**, Head of Roshydromet, UNFCCC National Focal Point in the Russian Federation

Past and future of Earth’s climate from deep ice drilling in Antarctica

**Vladimir Lipenkov**, Arctic and Antarctic Research Institute of Roshydromet

Permafrost, wetlands and land-use change:

nature-based solutions for emissions reduction

**Arthur Neher**, Wetlands International

Glacier changes and associated impacts on natural and

human systems in high mountain areas

**Stanislav Kutuzov**, Russian Academy of Sciences

Rational use of water resources under climate change

**Lord Barker**, Executive Chairman, En+ Group

UC RUSAL's Activities in Extreme Temperature Conditions.

Challenges and Opportunities

**Sergey Chestnoy**, UC RUSAL Official Representative

for External Relations

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