**DRAFT**

**EDUCATIONAL PROGRAM**

**«WATER RESOURCES MANAGEMENT»**

**KAZAKH NATIONAL AGRARIAN UNIVERSITY**

**ALMATY, KAZAKHSTAN**

**20 June – 2 July, 2016**

**Head of school:** Rector of the Kazakh National Agrarian University,Academician of the National Academy of Sciences of the RK, Doctor of Economic Sciences, Professor **T. Yespolov**

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| **Place of holding:** | Kazakh National Agrarian University. Almaty City, Abaya Avenue, 8 |
| **Date:** | June 20, 2016 |
| **Participants:** | The scientists of the Kazakh National Agrarian University, the foreign scholars, representatives of Scientific Research Institutes, graduate students from far and near abroad, KazNAU and regional institutions of the Republic of Kazakhstan. |
| **Working languages:** | English/Russian |
| **JUNE 20, MONDAY** | |
| 9.00-10.00 | **REGISTRATION OF THE PARTICIPANTS** |
| 9.00-10.00 | - The exhibition of "KazNAU: Innovations in Science and Education (Room 25, 27).  - Exhibition of scientific literature (2nd floor auditorium)  - Center for Academic Mobility «Center of Excellence» (main building, 2nd floor, office. 82).  - Museum of the University (Main Building, 3rd floor). |
| 10.00-12.30 | - Plenary session (Main building, conference hall) |
| **PLENARY SESSION**  (Main building, conference hall). | |
| 10.00-10.10 | **Opening of the International Master's Summer School ISAS-2016.**  Welcome speech.  **Prof.Tlektes I. Yespolov**, Rector of the Kazakh National Agrarian University, Head of School "Water Resources Management", Academician of the National Academy of Science of the RK |
| **WELCOME SPEECH OF FOREIGN REPRESENTATIVES** | |
| 15.00-17.00 | **GALA CONCERT** (conference hall) |

**JUNE 21, TUESDAY**

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| 09.00-10.50 | Current problems of water resources and water supply in Kazakhstan (Lecture) |
| 11.10-12.50 | Water resources management under global climate change (Lecture) |
| 13.00-14.30 | Lunch Break |
| 14.30-16.00 | Round table.  Presentations of participants |
| 16.00-17.50 | Experimental studies on hydraulics in the modern laboratory equipment (Practical training) |

**JUNE 22, WEDNESDAY**

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| 09.00-09.50 | Experience in water resources management in the trans boundary rivers in European countries (Lecture) |
| 10.00-11.50 | Ecological basics in water resources management. |
| 12.00-12.50 | Water resources management under global climate change (Practical training) |
| 13.00-14.30 | Lunch Break |
| 14.30-17.50 | Anti-mud slide protection facilities in Big Almaty River (Field trip) |

**JUNE 23, THURSDAY**

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| 09.00-17.00 | Shelek hydrosystem.  Hydraulic facilities in the Big Almaty Canal named after D.A.Kunayev (Field trip) |

**JUNE 24, FRIDAY**

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| 09.00-17.00 | Moinak Hydro Power Plant (Field trip) |

**JUNE 25, SATURDAY**

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| 09.00-10.50 | The use of wastewater in agriculture (Lecture) |
| 11.00-12.50 | Main differences in water resources management in the rivers and basins (Lecture) |
| 13.00-14.30 | Lunch Break |
| 14.30-17.50 | Anti-mud slide protection facilities in the Small Almaty River (Field trip) |

**JUNE 27, MONDAY**

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| 09.00-10.50 | Developments in wastewater treatment technology (Lecture) |
| 11.00-12.50 | Main physical factors in the determining of productivity in the water ecosystems (Lecture) |
| 13.00-14.30 | Lunch Break |
| 14.30-16.30 | Innovation in the water conservation technologies and irrigation technologies (Field trip) |
| 16.40-17.50 | Main differences in water resources management in the rivers and basins (Field trip) |

**JUNE 28, TUESDAY**

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| 09.00-11.50 | Water resources management under global climate change (Lecture) |
| 12.00-12.50 | Lecture |
| 13.00-14.30 | Lunch Break |
| 14.30-15.50 | Water resources management under global climate change (Practical training) |
| 16.00-17.50 | Importance of deposition in nutrient cycling,  Deposition as a food source and potential toxic (Practical training) |

**JUNE 29WEDNESDAY**

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| 09.00-17.00 | Shelek hydrosystem. Hydraulic facilities in the Big Almaty Canal named after D.A.Kunayev  (Field trip) |

**JUNE 30, THURSDAY**

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| 09.00-10.50 | Developments in wastewater treatment technology (Lecture) |
| 11.00-12.50 | Significance of wastewater treatment in water resources management (Lecture) |
| 13.00-14.30 | Lunch Break |
| 14.30-17.00 | Hydrometeorological equipment in action (Practical training) |

**JULY 1, FRIDAY**

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| 09.00-9.50 | Economic aspects in water resources management (Lecture) |
| 10.00-10.50 | Economic aspects in water resources management (Lecture) |
| 11.00-12.50 | Round table (Questions – answers, discussion of the topics of Master thesis) based conducted on lectures and practical exercises. |
| 13.00-14.30 | Lunch Break |
| 14.30-17.50 | Final control. Presentation on a particular subject. |

**JULY 2, SATURDAY**

**CLOSING**

**INTERNATIONAL MASTER’S SUMMER SCHOOL ISAS – 2016**

**(Main building, conference hall)**

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| 15.00-15.10 | A final word of the Rector of the Kazakh National Agrarian University  **TLEKTES I.YESPOLOV** |
| 15.10-15.25 | **Foreign scientist’s reviews** |
| 15.25-15.50 | **Speech by coordinators** |
| 15.50-16.00 | **MS student’s reviews** |
| 16.00-16.45 | **OFFICIAL PRESENTATION OF CERTIFICATES** |
|  | **Tlektes I. Yespolov,** the Head of the School «Water Resources Management», Academician of the National Academy of Sciences of the Republic of Kazakhstan, Doctor of Economic Sciences, Professor , Rector of the Kazakh National Agrarian University |
| 16.45-17.00 | **Closing International Master’s Summer School ISAS-2016** |
| 16.45-17.00 | **Interview and team photo session** |
| 17.00-19.00 | **Gala Dinner**  Café «Altyn Dan» |

**JULY 3, SUNDAY**

**Master Summer School participants leaving**