**THE SUMMER ENVIRONMENTAL SCHOOL**

"NATURAL RESOURSES OF THE CENTRAL RUSSIAN UPLAND

AND THEIR PROTECTION"

16th-27th of July, 2018

Programme

Lecture and seminar studies, practice

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| Date | Training subject | Lecturer | Type | Hours |
| 15.07.18 | Arrival and settlement |  |  |  |
| 16.07.18 | Content, properties and anthropogenic dynamics of Russian Chernozems. | Devyatova T.A., prof., PhD (biology) | lectures,laboratory | 11 |
| Rare and unique soils of CCR: ecology of soil-forming, geo-ecology, content and properties of soils. | Yablonskikh L.A., prof., PhD (biology) | lectures,laboratory  | 12 |
| Emission of soil green house gases in natural and farming ecosystems of CCR. | Avksentev А.А., PhD (biology) | lectures | 2 |
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| 17.07.18 | Orography and extractable resources of Central Chernozem Region (CCR). | Fedotov S.V., docent, PhD (geography) | lectures  | 1 |
| Regional climate and its potential.  | Akimov L.A., prof, Doctor of PhD (geography) | lectures,laboratory | 11 |
| Water resources and ecological problems of water use.  | Dmitrieva V.А., prof, Doctor of PhD (geography) | lectures,laboratory | 11 |
| Alien vascular plants of CCR. | Grigorevskaya A.Ya., prof., Doctor of PhD (biology)Vladimirov D.R. PhD (geography)  | lectures,laboratory | 12 |
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| 18.07.18 | Bioresources, biodiversity and methods of their conservation in CCR. | Negrobova Е.А., Moiseeva Е.V. PhD (biology) | lectures,laboratory | 22 |
|  | Ecologico-floristic complexes of CCR (case study Voronezh region). | Agafonov V.А. prof., Doctor of PhD (biology) | lectures laboratory | 12 |
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| 19.07.18 | Specific of natural reserves net organization in CCR. | Fedotov V.I., prof, Doctor of PhD (geography)Mikhno V.B. prof, Doctor of PhD (geography) | lectures | 1 |
|  | Natural reserves use for organization of ecological and tourist claster in CCR. | Fedotov S.V. | lectures,laboratory | 11 |
|  | Methods of assessment of human impact on the environmen. | Kurolap S.А., prof, Doctor of PhD (geography) Dmitrieva V.А. | lectures,laboratory | 22 |
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| 20.07.18 | Methods of molecular biology in a study of aquatic microbial communities. | Grabovich М.Yu. prof., Doctor of PhD (biology) | lectures,laboratory | 11 |
|  | Micronucleus test as a method of environmental genotoxicity assessment. | Kalaev V.N. prof., Doctor of PhD (biology) | lectures,laboratory | 12 |
|  | Core terminology and concepts in ecology in Russian and English  | Alaeva L.А. docent, PhD (biology)  | practical | 2 |
|  |  |  | Independent work | 36 |
|  |  |  | Total | 72 |

Field work 21.07-26.07.2018

1st day. Voronezh – Museum and Reserve «Kostenki» - Museum and Reserve «Divnogor‘ye».

2nd day. Museum and Reserve «Divnogor‘ye» - Khrenovoe - «Kamennaya Steppe».

3th day. «Kamennaya Steppe» - Natural Reserve «Khopersky».

4th day. Natural Reserve «Khopersky» - Natural Reserve «Voronezhsky» - Voronezh.

5th day. Voronezh - «Princess Oldenburg's Palace» - Natural Reserve «Galichya Gora» - Voronezh.

6th day Product company (The Novovoronezh Nuclear Power Station) and farming enterprises (Trudovoe).

27.07.2018 - Report and presentation of certificates

28-29.07.2018 - Departure of summer school participants