

Technical Report of trip in Kars, Turkey

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Name of work organization	National Center for Disease Control and Public Health (NCDC)
Position	Specialist of Biosafety
Date of trip	04.05.2015-29.05.2015
Name of country	Kars, Turkey
Name of University	Kafkas University, Faculty of Veterinary Medicine
Project Name	Anthrax Environmental Decontamination Network
Aim of project	To achieve effective and ecologically friendly means of reducing spore numbers in the environment and transfer knowledge between the participant
Aim of visit	To study methods of: <ol style="list-style-type: none"> 1. Collection soil samples from contaminated area 2. Isolation Bacillus anthracis from soil sample 3. Isolate phages 4. Decontamination of soil with different methods
Results	<ol style="list-style-type: none"> 1. We have collected samples from contaminated area (where were burial places of ill animal). 2. We have isolated Bacillus anthracis spores from soil, used titration method. 3. We have isolated culture of Bacillus Anthracis 4. We have isolated phages with two different methods: lytic phages isolation with a host without of inducers and total phage isolation with a host and Mitomycin C. 5. We have tried decontamination procedures with Phage and tea. 6. It is planned, that the project will be continued and established same methods in the R. Lugar center.