1. Title

Environmental Management of Post-Epidemic Carcass Burial Sites

2. Type

Commission Symposium: Comm. 4.1-Soils and Environment

3. Organizer(s) & Convener

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4. Rationale

Foot and mouth disease (FMD) swept the country in the winter of 2010 in Korea, and over three million pigs and cows were buried to prevent an epidemic. Now, concerns over the possible leakage of the leachate discharged from the decomposing carcasses of the infected animals, and its contamination of the groundwater, are mounting. In this proposed workshop, the current practice of carcass disposal and its aftermath management are to be discussed.

To minimize the environmental impact of the disposal of the carcasses of the infected animals, the situation must be handled in such a way as to use the full capability of the existing technologies and administration methods, and the best available option must be chosen. The potency of contamination of the burial sites needs to be minimized, and decontamination of the groundwater and soil need to be considered prior to the reuse of such burial sites.

5. Objectives

In this proposed workshop, the state of the art technologies and their deploy strategy to the field to minimize adverse impacts of burial sites are to be discussed.

6. Description

Managing livestock carcasses due to disease is inevitable as long as human raise livestock for their nutrition sources. Contagious virus is a component constitute ecosystem. Throughout human history, dealing with accompanying issues of livestock husbandry is a work for environmental engineers.