

Model Project to Promote the Adoption of Firefighting Technologies for Peat and Forest Fires in Balikpapan, Indonesia

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実証実験

■ Factual investigation on the occurrence of peat and forest fires, equipment of local firefighting organizations, and firefighting techniques of firemen in a model area around マンガー湖.

【Output①】 Examination of firefighting techniques and trainings on firefighting technologies, such as provision of firefighting equipment, in addition to the development of a fire extinguishing foam agent that fits with local conditions.

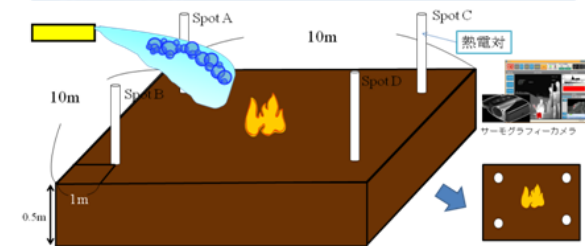
【Activities】

- ①- 1 Factual investigation of local peat and forest fires
- ①- 2 Understand characteristics of soil, rivers and groundwater
- ①- 3 Fire extinguishing demos with foam agents that use local water
- ①- 4 Trainings in Japan to expand use of firefighting technologies
- ①- 5 Examination of locally-appropriate firefighting techniques and recommendations on firefighting technologies, based on the outcomes of activities ①-1 to 3.



<実験手順>

1. 実験に使用する泥炭地を区画化する。
2. 泡消火剤、消火剤水溶液、および水を中心部にある火災場所に噴射する。
3. 様々な場所 (spot1,2,3,4) の温度の時間経過を熱電対およびサーモグラフィカメラを使用して測定する。



【Output②】 Raise fire prevention knowledge and awareness of residents in order to improve fire extinguishing/fire prevention systems and create local communities

【Activities】

- ②- 1 Basic coordination and examination of direction of public participation
- ②- 2 Trainings on disaster prevention, including residents in surrounding areas
- ②- 3 Creation of information system to contribute to first-aid firefighting
- ②- 4 Planning and organization of local seminars in areas outside of the model area in Balikpapan

