

Disaster Scope: The Augmented Reality Floods and Smoke Simulated Experience Smartphone-Application

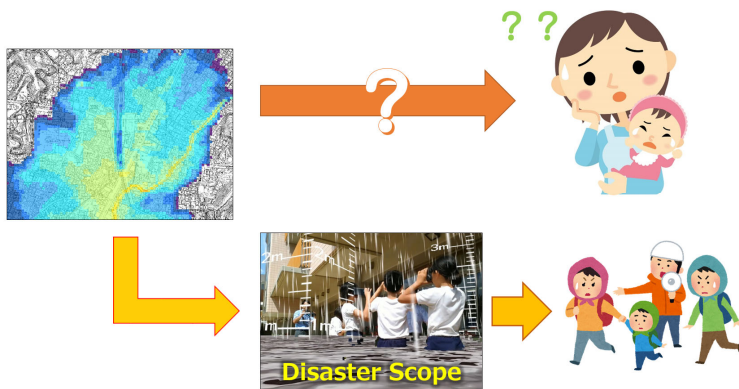
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- We developed the app in order to improve people's understanding of disaster risk in peacetime
- CG floods & debris or fire smoke is displayed superimposed on a real-world environment
- Real-time occlusion processing enabled using only by a smartphone ASUS Zenfone AR with ToF sensor
- We utilized this app in evacuation drills organized by public schools and municipalities
- It was very useful for improving crisis awareness of young students and citizens



Concept of using Disaster Scope

(Even those who can not fully understand conventional disaster prevention information can perform evacuation quickly by using Disaster Scope)



Tsunami and Floods situation experience app
(Real-time occlusion only by a smartphone)



Fire Smoke situation experience app
(Smoke is thinner closer to the floor)



Tsunami and Floods situation experience app
(If Asakusa in Tokyo flooded 1 meter)

