Project: **floodscape**

What was the challenge?

Floodscape focuses on the changing situations in the case of a tsunami. In an emergency, visual perception and situational awareness may be restricted due to the impact of sensory symptoms (panic, tunnel vision or limited motor skills), thus calling for a linear course of action to enable the user to concentrate at the task at hand.

What was the solution?

Floodscape is a mobile application designed to educate its user about possible inundation zones resulting from a tsunami in their communities. Ongoing user engagement through interactive simulation is the prime focus of the initial (dormant) state of the app. In case of an actual tsunami the app registers the event and adapts its UI accordingly.
Crucial life-saving wayfinding information will be displayed in a contextual manner considering contrast, typography, limited user attention and ease of use. Estimated time of arrival, current location, escape routes and notifications to neighbours and relatives are all unambiguous in the design, functionality and usability of the app.
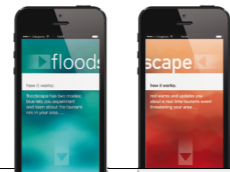The industrial design practice of calm design inspired the concept of this tsunami warning and education app.
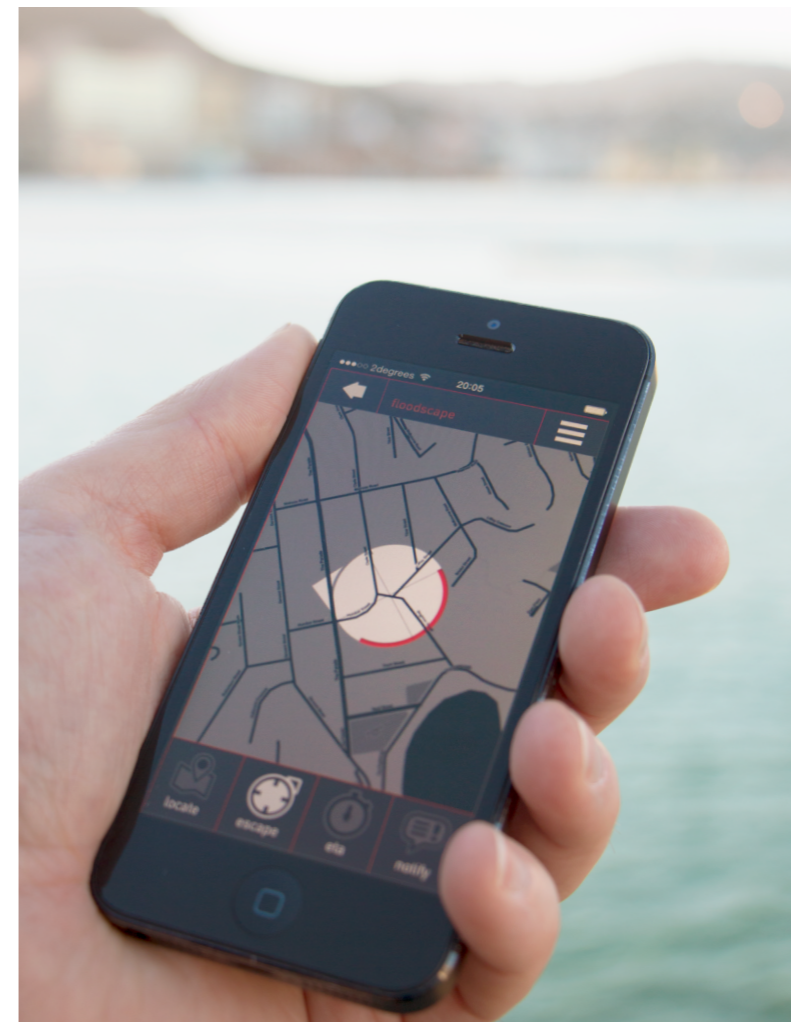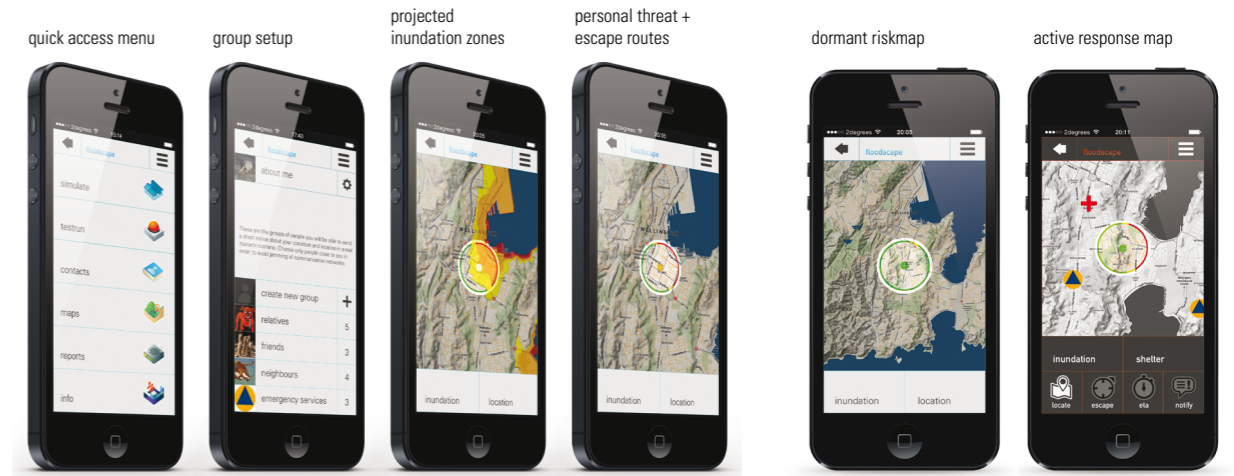
What was the effect?

By complementing an original design with a dormant (hidden) level of visual information that only appears in case of an emergency, the public's resistance to disaster education and risk reduction can be overcome.
Both levels are complementary and unambiguous in their usability but are different in their function.

Contact:

name: klaus kremer
company/organisation: Massey University
e-mail: k.kremer@massey.ac.nz
website: kremerconcepts.com

The dormant stage of the app lets you simulate and explore a potential tsunami scenario in your local area.

dormant state (for education)	active state (for emergency)
intro	
simulation	warning
risk maps	response maps
	support
contacts	message

quick access menu | group setup | projected inundation zones | personal threat + escape routes | dormant riskmap | active response map

In a real tsunami event, the UI adapts to the developing threat presenting visual information in tune with your changing mental state and narrowing focus. Risk maps change to response maps galvanising attention and calling you to action.

see the app in action:
https://youtu.be/t3jTw9fR3zU

A modular interface allows the user to combine quick messaging to individual groups.