

1 INTRODUCTION

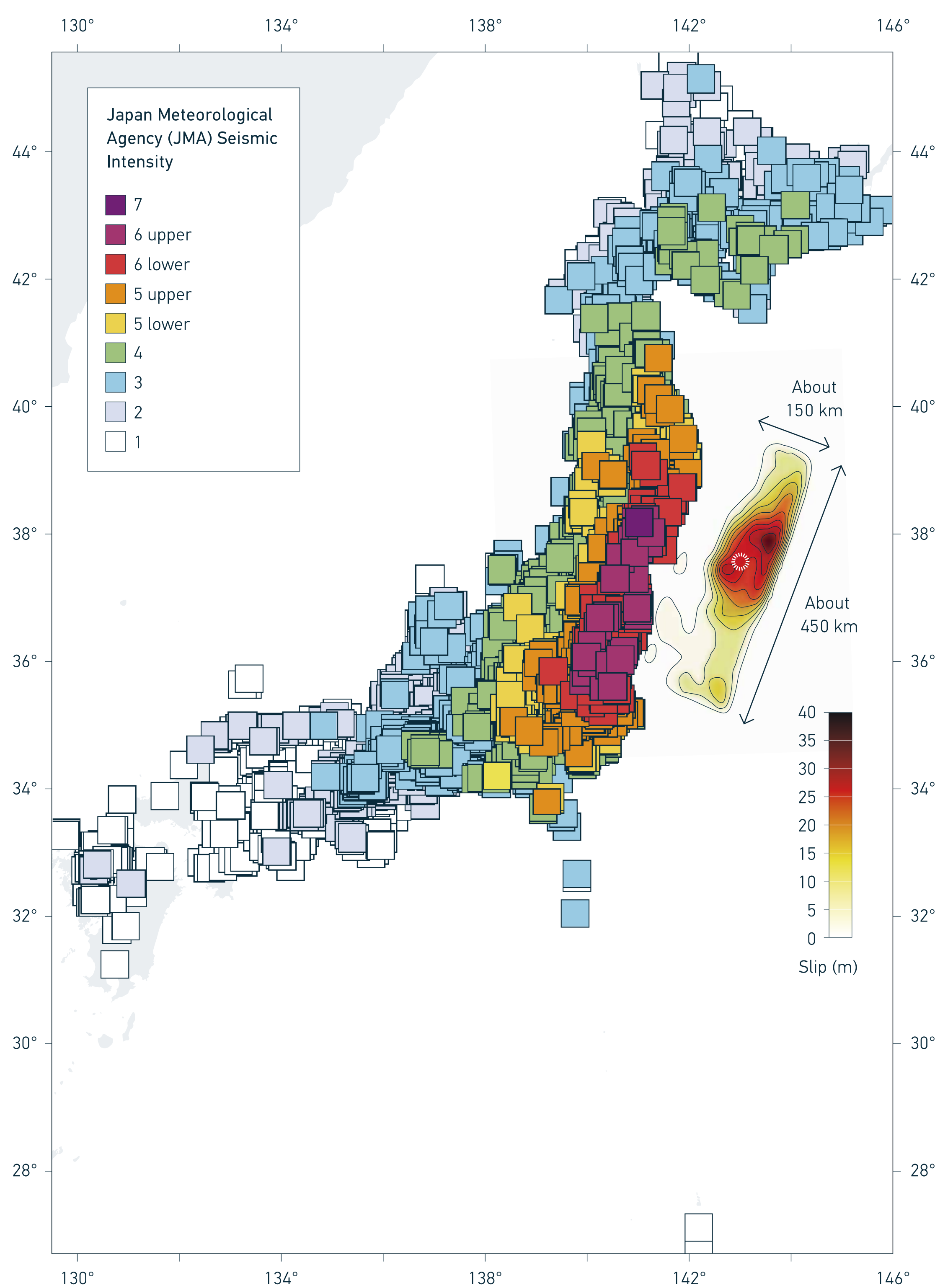
Risks associated with natural hazards, normally hidden, always exist with us. They occasionally make us upset and then, disappear again.

At 14:46 on March 11, 2011, an earthquake of the greatest magnitude struck Japan. Society suffered unexpected situations. The influence continues, but society's attention rapidly diminished after six and a half years.

We, Miraikan, believe that we should identify the outlines of various risks that appeared, and, as a society, we should properly prepare for their future return. Let's consider what we can learn from a disaster and what lessons can be passed on to future society.

A HAZARD OF MAGNITUDE 9.0

The earthquake occurred 24 km beneath the ocean between two masses of bedrock. In a large area, the size of about 450 km by 150 km, the bedrock shifted and caused the massive earthquake. Seismic motion with intensities of 5 or more was observed across a wide area of eastern Japan. The magnitude (Mw) of 9.0 was the largest near Japan in the last 100 years since modern measurements began.



Amount of slip on the fault and seismic intensities around the country *1

Reference *1 Japan Meteorological Agency *2 Reconstruction Agency

DAMAGE CAUSED BY THE EARTHQUAKE AND STIMULATED RISKS

Due to the earthquake, many events occurred, and the number of deceased or missing persons amounted to 22,118 (including disaster-related deaths as of March 1, 2017 *2). Moreover, various risks emerged that would last for a long period of time.

Damages and following risks in various places

- Photo by Sendai City: People who wait for a water truck
- Photo by Sendai City: Damages by earthquake
- Photo by Sendai City: Damages by tsunami
- Photo by Fukushima Central Television Co., Ltd & NNN: Thyroid examination
- Photo by Fukushima Central Television Co., Ltd & NNN: Explosion in nuclear plant
- Photo by Fukushima Central Television Co., Ltd & NNN: Damages by liquefaction
- Photo by Fukushima Central Television Co., Ltd & NNN: Temporary housing complex in Fukushima

This exhibition focuses on the tsunami and the nuclear accident that happened after the earthquake, review what happened **FACT** and our society's countermeasures **OUR CHOICE**.