

Call for Papers on a Special Issue:

Reconstruction Following The 2011 Tohoku Earthquake and Tsunami: Long-term Resilience and Sustainability Implications

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Introduction to the Issue

The 2011 Tohoku Earthquake tsunami caused great devastation throughout the North-Eastern coast of Japan. Following the disaster important reconstruction efforts were made to rebuild the area and attempt to improve the safety and resilience of coastal communities against future events. In the process, the Japanese government spent vast quantities of money, profoundly altering the physical and societal landscape of the region. This reconstruction period was divided into three phases, with the last one officially ending in 2018.

Keywords: tohoku earthquake; tsunami; coastal communities; resiliency; disasters; sustainability; Japan

1. Paper types and example topics

The aim of this special issue is to bring together the latest research and practical case studies regarding the state of reconstruction of the Tohoku region, attempting to gain a holistic view of how the reconstruction has affected the communities involved. Particularly, papers should focus not only on the reconstruction that has been carried out, but on the long-term resilience and sustainability implications.

Papers ranging from literature review of existing documents, to case studies, or novel research on long-term sustainability or resilience aspects are welcome. Topics of interest in this special issue include, but are not limited to:

1. Literature reviews of policy documents, regulatory frameworks, city ordinances and other academic literature.
2. Engineering simulations on the safety levels provided by the new countermeasures implemented, highlighting improvements on long-term resilience.
3. Analysis of the effectiveness of evacuation measures implemented before and after the tsunami.
4. Considerations regarding societal changes, including aging population and migration to other regions, and whether long-term sustainability of the communities affected can be achieved
5. Changing cultural patterns in the affected regions, including how new generations view the changes and long-term prospects of the communities involved.
6. Issues related to livelihoods, including economic recovery, job creation, etc.
7. The complexity regarding housing recovery, given the challenges of condensing cities and towns into smaller areas, and how to rebuild the affected communities.

2. Important Dates

Full Paper Deadline : **March 31, 2020**

Full papers should be submitted via the online submission system.

Optional Abstract Pre-submission:

Authors considering submitting are encouraged to submit an abstract to the special issue editors by e-mail.

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Official publication of the issue: 30 September 2020.

Papers will be published online at the journal website.

3. Features of this special issue

Professional, strict review : the manuscripts will all be reviewed by reputed scholars in the field of disaster risk management or sustainability science.

Quick review : the editors will endeavour to provide a first review within one month of submission.

Open access : J-Sustain is a free to publish, free to read journal. You are also free to upload a copy into any repository.

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