

# Land Management and Cadastral Mapping in Japan: A Case Study of Miyake Island

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## SUMMARY

Japan experiences frequent natural disasters, including earthquakes and typhoons. Under-managed lands hinder the construction of disaster prevention and reconstruction facilities. Recent legal reforms, the establishment of new laws, and land surveys using GNSS aim to tackle this issue effectively.

## INTRODUCTION

Japan is famous for its many natural disasters and earthquakes. In the last 50 years, there have been 12 earthquakes of magnitude 7 or greater, resulting in 24,000 casualties. In addition, Japan is made up of many small islands, with a total of around 14,000 islands. Despite being severely affected by the intensification of typhoons due to global warming and the damage caused by storm surges and tsunamis due to rising sea levels, the country has a high level of awareness of disaster prevention and has implemented advanced administrative measures.

## ISSUES

However, the existence of under-managed land is a major hindrance to the acquisition of land for disaster prevention and reconstruction projects. The digitization of land management and land registry management (GIS) is truly beginning all over the world, and the roles and responsibilities of cadastral surveyors in this regard are important and significant. The Japanese government has implemented legal revisions and the establishment of new laws since 2023 in order to reduce the number of under-managed lands. It has implemented legal revisions and the establishment of new laws. These include revisions to the Civil Code and the establishment of the Act on the Vesting Inherited Land in the National Treasury.

## TOWARDS A SOLUTION

I carried out a survey and measurement to apply for a case under the new legal framework in Miyake Island, Tokyo, where there are many under-managed lands. I will report on these matters.

## REFERENCES:

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## BIOGRAPHICAL NOTES:

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