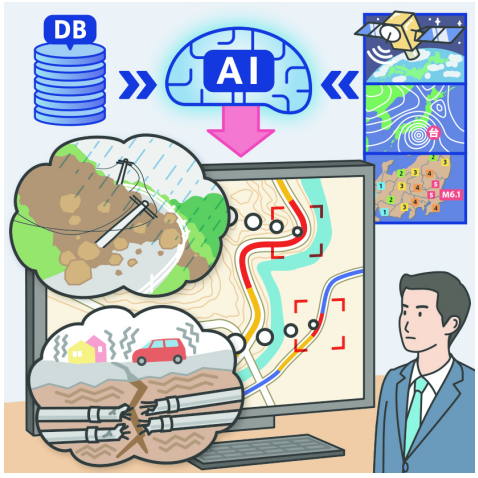
E09

We aim to create a disaster-resilient society with predicting infrastructure damage

Damage prediction technologies for social infrastructures

IOWN Evolution Smart Infrastructure

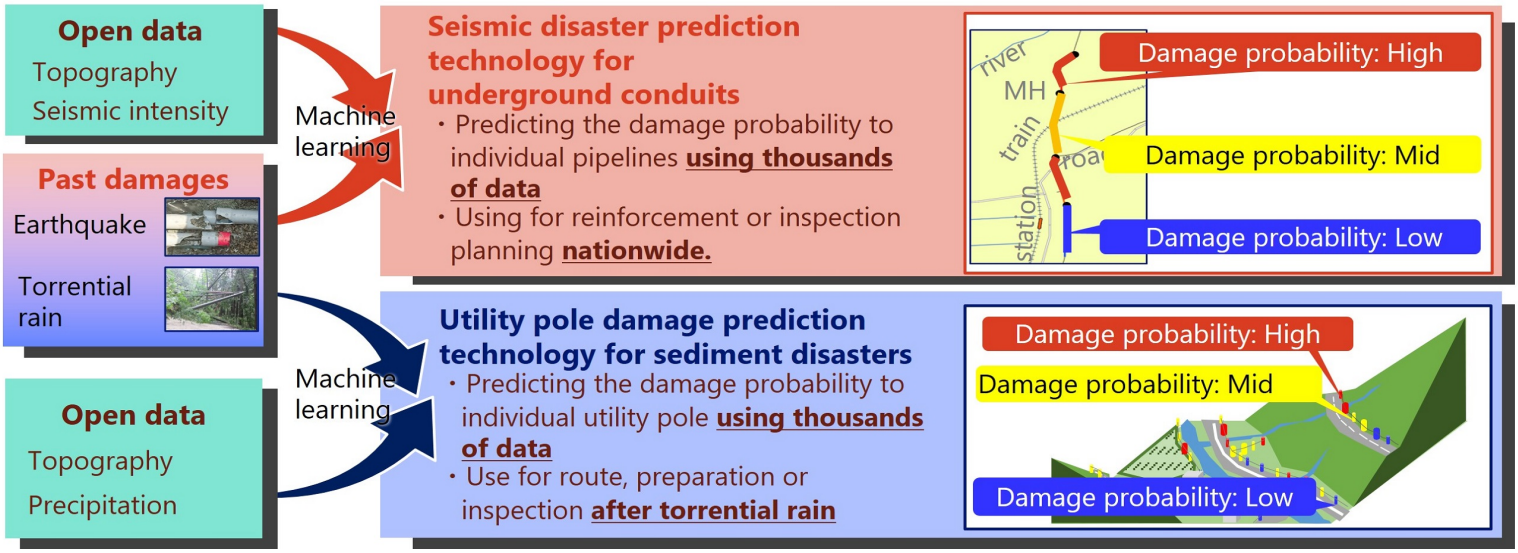


Background

Social infrastructure needs to maintain its function even in the event of a Nankai Trough earthquake or a severe downpour disaster. Since they have been constructed a lot, it is difficult to take measures for all of them. Therefore, it is necessary to predict the damage accurately.

Summary

We build AI that learns the patterns of facilities that will be affected in the disaster from NTT's vast amount of data on telecommunications facilities to predict the damage. This will be corrected and applied to various social infrastructures with the aim of predicting damage to all facilities.



Features

- Learning patterns of susceptibility to disasters from data on damage to communications facilities in various disasters
- Predicting vulnerable facilities from publicly available data developed nationwide without special field surveys
- Based on the characteristics of each social infrastructure, development of disaster prediction technology for communication facilities to predict other infrastructure facilities

Future_benefits

We will realize a safe and secure society by predicting the impact of disasters on all types of social infrastructure and by taking priority measures against infrastructure.

Exhibiting Company

NIPPON TELEGRAPH AND TELEPHONE CORPORATION

Contact

rdforum-exhibition@ml.ntt.com