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SSS23-22 Room:211 Time:May 1 16:15-16:30

Seismic hazard karte : A Tool for distribution of seismic hazard information with Multi-index

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1. Overview of seismic hazard karte

NIED distributed the ”seismic hazard karte(chart)” in July, 2013. An ”seismic hazard karte” is what summarized the earthquake hazard information for every point, arbitrary places can be searched and the diagnosis of the earthquake hazard about the place can be drawn up. A result displays many indices, such as various foundation information, hazard curves, etc. about the danger of an earthquake, like the notice of a medical examination by the view format summarized to A41 sheet using many charts and graphs.

2. Purpose of Development

It was thought possible to spread the recognition to seismic hazard by using for the user itself the form of diagnosing a certain point with the connection as a starting point, from the investigation by HERP, the argument in a comprehensive sectional meeting, etc. Although the seismic hazard karte was dispatch fundamentally turned to the whole average citizen like other seismic hazard information, when it decomposed into use-cases, it assumed roughly dividing and being used in the following domains. For insurance and real estate, as customer-oriented service data. As the teaching materials which teach the tool for advancing a measure at a workshop or a home to the local resident engaged in disaster prevention educational persons concerned and disaster prevention, and the view of the seismic hazard information on the area. It developed by being that it is easy to carry out use, respectively conscious as a sample of the way of expressing a response using J-SHIS Web API which is open API, and designing to IT persons concerned and developers.

3. Distributed Result

There are many echoes from the exhibited beginning and it is thought that effect fixed as one of the how to show the seismic hazard information evaluated across the board by the country was achieved. Nothing new as contents have in the information offered as seismic hazard karte this time, and it is already J-SHIS seismic hazard station offered, was only visualized in a different form. However, receiving a karte ”it may be very intelligible. From the thing of having also let the family know who lives in the distance”as a positive thing, many reactions ”worth of the possessions affair of our company will be influenced and it will be troubled by it if such a thing comes out” were seen by the negative thing, like when the hazard information is released newly.

4.References.

Seismic hazard karte |http://www.j-shis.bosai.go.jp/labs/karte/ (Japanese only)
Manual |http://www.j-shis.bosai.go.jp/karte-manual (Japanese only)
Description |http://www.yullege.jp/?p=282 (Japanese only)
J-SHIS Web API |http://www.j-shis.bosai.go.jp/api-list (Japanese only)
Hiroki Azuma, Shinichi Kawai and Hiroyuki Fujiwara, 2013, Development of J-SHIS and Applications Using API, Journal of Disaster Research, Vol.8 No.5, 869-877.

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