







EMTの目的

背景:

- (1) 県・市町村・ライフライン関係者が文章・表で発表している被災や復旧等の情報を地図で表示
- (2) 県・市町村の災害対策本部等が、対策内容や手順等の検討のために必要な情報地図の作成
- (3) 政府内部で使用するための情報整理地図の作成(3月12日から実施中) 目的:

国レベルでの広域的な状況認識のための情報の地図による可視化

都県レベルでの活動の調整に必要な情報の地図による可視化 緊急性・重要性が高い現場での活動を支援する情報の地図による 可視化







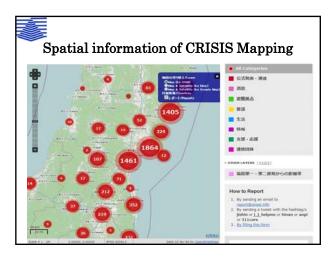
CRISIS Mappingとは?

The crisis mapping expresses the critical situation with natural disaster and the act of man in a map, and it is called it to support the field indirectly.

Web page was established at 18:00 on March 11

Approximately 600 volunteers gather and send the damage situation, refuge information, relief supplies information with a format with a coordinate of the Excel. The map information put Mash up on a base map in improving using WMS and expressed it.

http://www.sinsai.info





What is Participatory GIS?

"Participatory GIS is an emergent practice in its own right; developing out of participatory approaches to planning and spatial information and communication management" (Rambaldi and Weiner 2004)

In Japan, participatory GIS construction of the field of natural environments using the Internet was it in a trial from the mid-1990s. However, the Internet of that time did not increase the user because the information transmission speed of the line being slow, GUI of the hardware were poor.

In addition, because the environmental information contributed to participatory GIS by the expert of the field of natural environments did not have a check function, we received an evaluation that reliability was low, and the example of the system decreased.



What is VGI?

Volunteered geographic information (VGI) is the harnessing of tools to create, assemble, and disseminate geographic data provided voluntarily by individuals

(M.Goodchild)

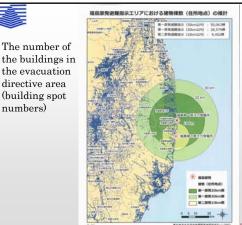
The history of the Japanese GIS volunteer

1995: Hanshin, Awaji great earthquake disaster (referencing the old topology by GIS, debris quantity calculation, quantity of debris movement management)

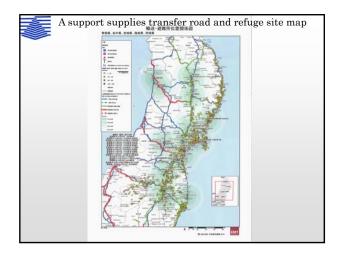
 $2004 \hbox{:}\ \mathrm{Niigata}\ \mathrm{Chuetsu}\ \mathrm{earthquake}$ (affliction certificate issuance)

2007: Noto Peninsula earthquake (affliction certificate issuance)

2007: Niigata Chuetsu Oki earthquake (Niigata prefecture announces restoration, the rehabilitation process of the prefecture in GIS, and local governments and villages use GIS for affliction certificate issuance)



EMT作品











Thank you!