Disaster and First Responders Support
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The Open Geospatial Consortium is a worldwide organization where users and producers of spatial data collaborate, developing products and services that advance international standards for geospatial interoperability.

To advance the President's Climate Data Initiative, the OGC committed to further enable open access to climate information by providing open standards and testing the implementation of those standards in a realistic scenario. Specifically, OGC demonstrated integration of critical spatial information when a population is displaced due to coastal inundation by sharing data using open geospatial standards.

When a disaster such as a flood is predicted, emergency managers can run a number of simulation models to understand the potential consequences of the disaster. Operators can interact with these models via OGC Web Services, accessing and validating the results, all in a simple interface.

OGC standards that support Cross Community Interoperability allow users to collaborate, solving semantic issues. The OGC Interoperability Program advanced several OGC standards by defining a common set of implementation guidelines – leveraging social media, linked data, semantics and mediation – to bring together different communities' information models and symbologies.