Abstract

Implementing FEMA's Enhanced DFIRM Database
Track: Database Design, Automation, and Management
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FEMA has developed specifications for the Enhanced Digital Flood Insurance Rate Map (DFIRM) Database under its Map Modernization initiative. Developing the database standards involved consideration of the input and output data for the hydrologic, hydraulic, and coastal models used to generate the floodplain data. Additionally, it involved consideration of the GIS spatial data structure that would best store and represent these elements. This paper will discuss the Enhanced DFIRM Database model and its implementation for both riverine and coastal studies. Lessons learned during the implementation process will be discussed, as well as solutions to problems encountered.

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