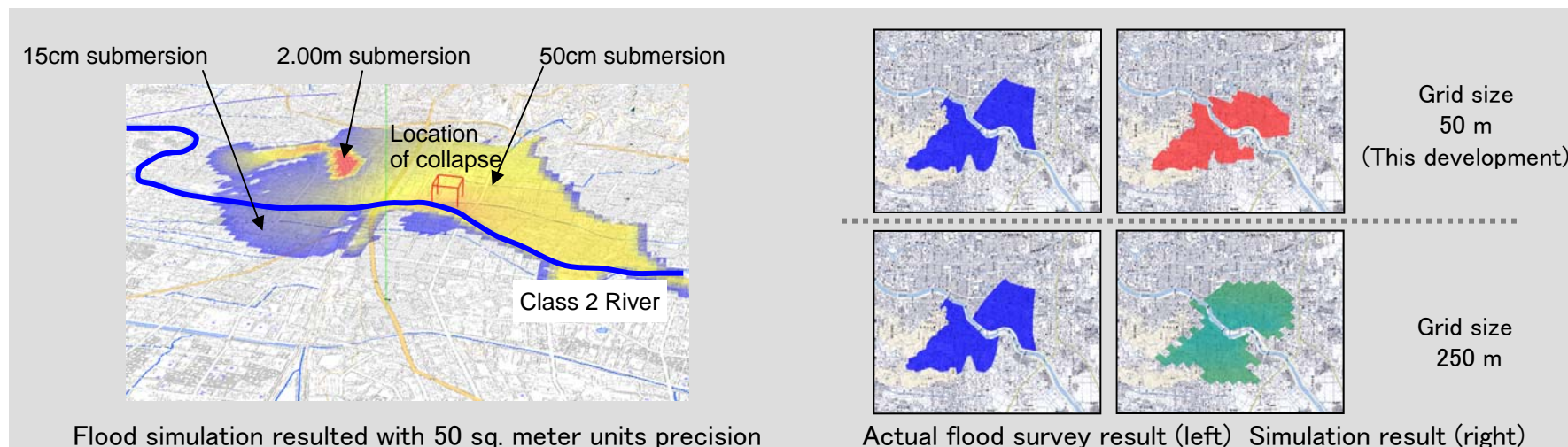


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Flooding from embankment collapse or river overflow visualized on a 3D map - Development of flood simulation in 50 square meter units precision -



The Central Research Laboratory of Hitachi, Ltd. (henceforth 'HCRL') and the Tokyo Office of the Japan Weather Association (henceforth 'JWA-Tokyo') have developed flood simulation technology which enables highly accurate flood simulation in 50 square meter units precision on any region within Japan, using a PC. The technology also enables the simulated result of embankment collapse or river overflow to be visualized on a 3D map. HCRL and JWA-Tokyo compared simulated results with actual data obtained from surveys of flood disaster sites, and found high correlation between the two. The technology is compatible with Geographic Information System (GIS) data for the whole of Japan, and can assist in forecasting flood damages caused by typhoons and heavy rains based on local geographical information, thus contribute to municipal disaster prevention activities such as preparation of disaster manuals and action plans.

This flooding simulation technology is currently being prepared as a product of Hitachi Engineering & Services Co., Ltd., and is expected to be released on the market from fiscal 2006.