

Flow of creating a flood area map using DioVISTA/FloodOur

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Provide information technology to respond to the increased risk of heavy rain and flooding due to climate change

product	DioVISTA / Flood	DioVISTA / Storm
purpose	Flood analysis and prediction	Visualization of analysis and observation data
image		<image/>
Launch	June 2006 ~	August 2014 ~

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Support for flood analysis Work

- DioVISTA/Flood
- Compliant with the Immersion Drawing Manual (4th Edition)
- High-speed calculation with proprietary Dynamic DDM technology
 - Patented (Japan, USA, China)
 - Optimized for 64-bit CPUs
 - Approximately 48~68 times faster than conventional (compared to our company)
- Easy operation integrated with GIS
 Please refer to the next page and later

Ingest river data





Ingest river data



HITACHI Inspire the Next

Review cross-sections^{HITACHI} nspire the Next



Review profile views HITACHI Inspire the Next



Create a breakage point the Next



Calculation execution re the Next



Calculating ...





The basic formula can be used in accordance with the Flood Inundation Area Drawing Manual (4th Edition). http://www.mlit.go.jp/river/shishin_guideline/pdf/manual_kouzuishinsui_1507.pdf

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Creation of deliverab



CSV and NetCDF output compliant with the Guidelines for Digitization of Flood Area Map Data (2nd Edition) is possible. http://www.mlit.go.jp/common/001097667.pdf

Also supports batch processing

- Run all BP001~ BP100 projects in the current directory
 - Convert to NetCDF further
 - Current directory: C:\work\result1\
 - Destination: D:¥ Delivery ¥1234567890 BP001





cd C:¥work¥result1¥ for /d %%f in (BP???) do (dfsCalc64.exe %%f¥%%f.fsxproj dfsConv64.exe nc %%f¥%%f)

Confirmation of deliverable Sire the Next

Visualization with DioVISTA/Storm,



Visualize NetCDF compliant with the Guidelines for Digitization of Flood Area Map Data (2nd Edition) DioVISTA/Storm <u>http://www.hitachi-power-solutions.com/products/product03/p03_61.html</u>

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