

Harnessing the power of digital for climate disaster prevention and recovery: Hitachi's innovations for climate adaptation

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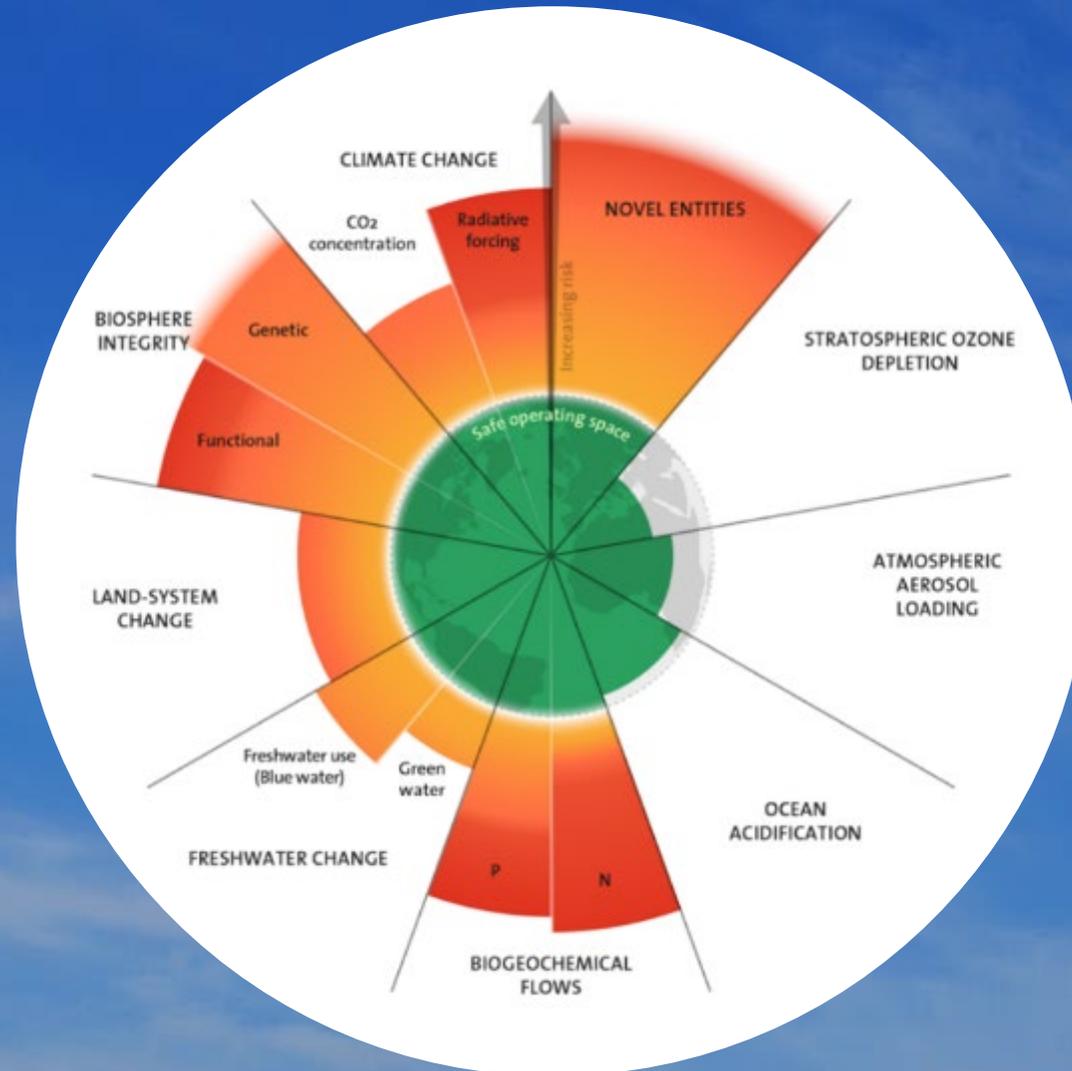
**“ The era of global warming has ended;
The era of global boiling has arrived. ”** *1

**“ All countries must respond and protect their people
from the searing heat, fatal floods, storms, droughts,
and raging fires that result. – António Guterres *2 ”**

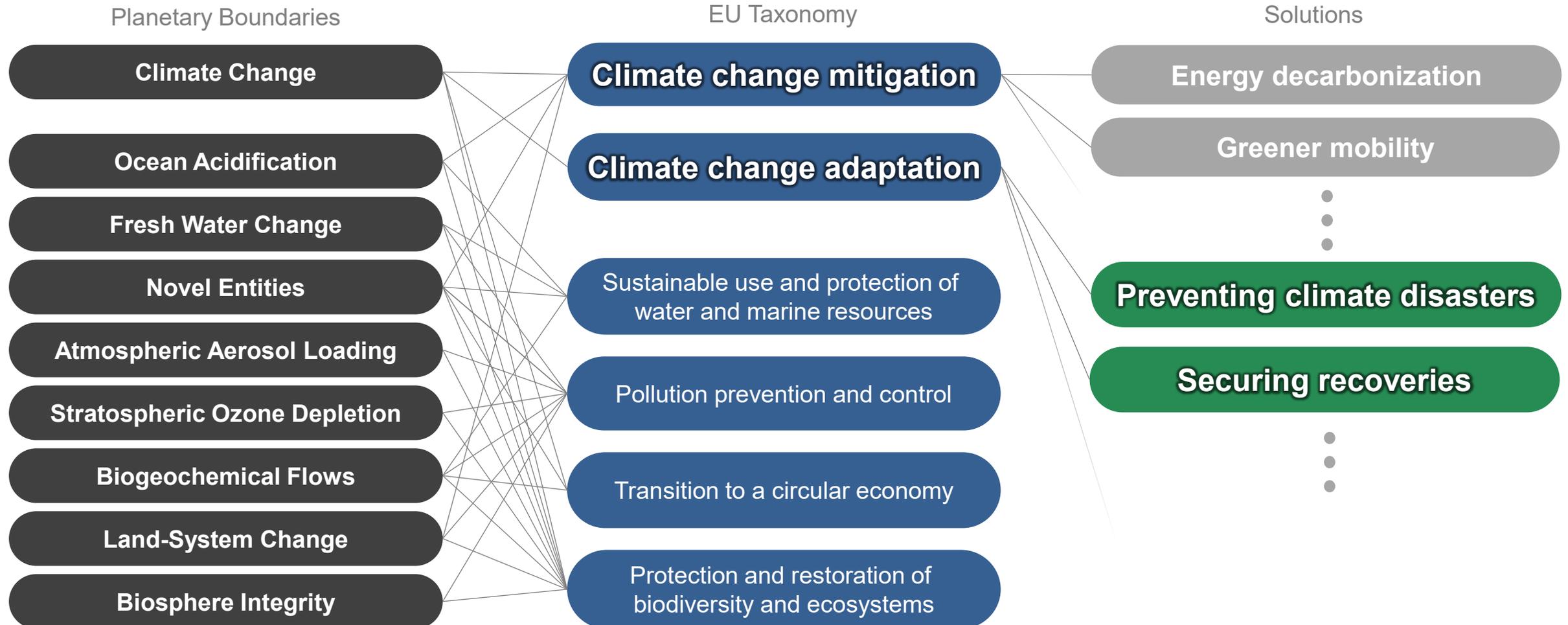
Floods

Pakistan (2022), China, Libya, Somalia, Dubai (2023)...

Six out of nine Planetary Boundaries have been crossed: Increasing risk of “large-scale abrupt or irreversible environmental changes”

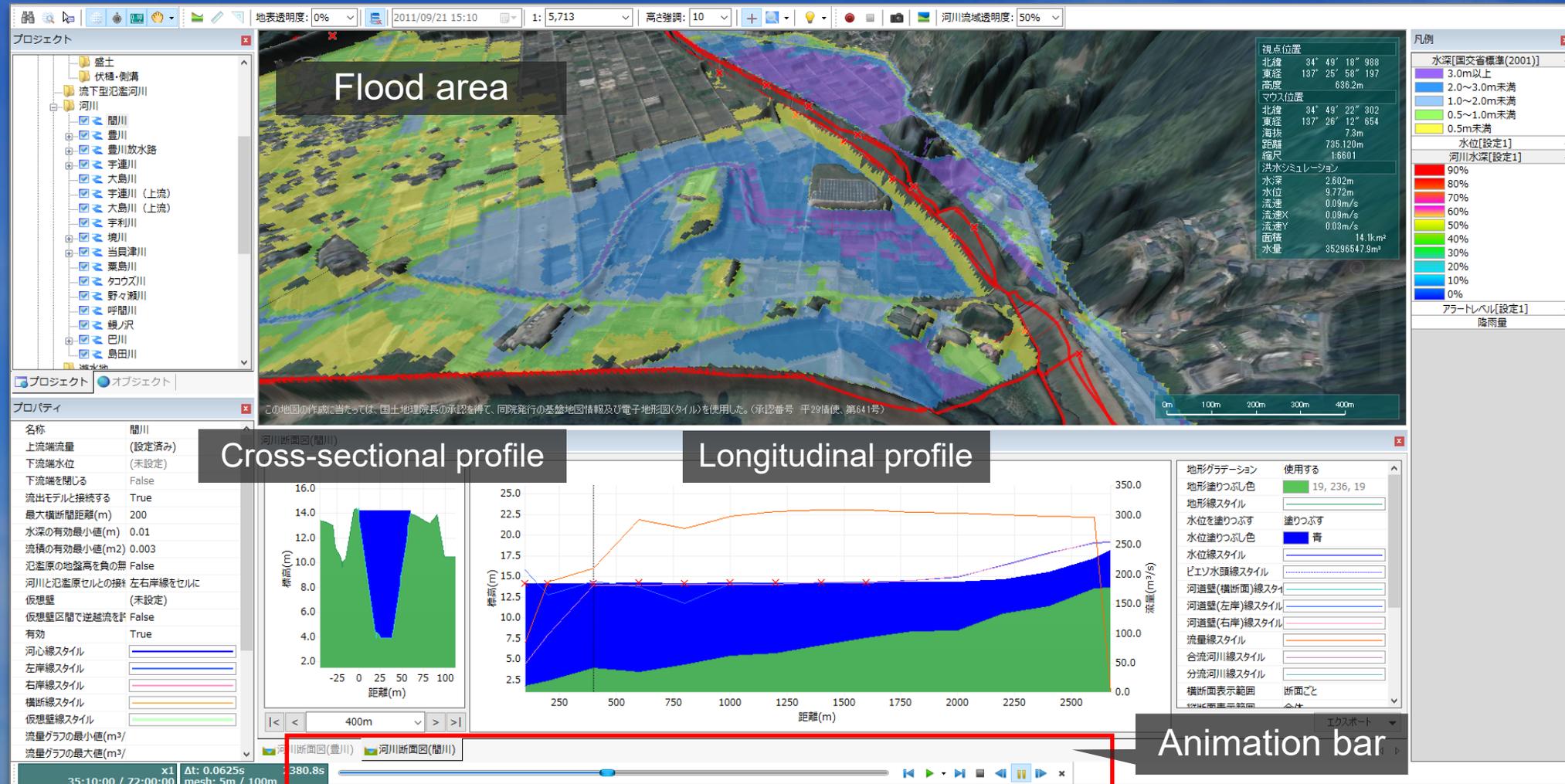


Developing climate change solutions in a multi-dimensional planetary health approach



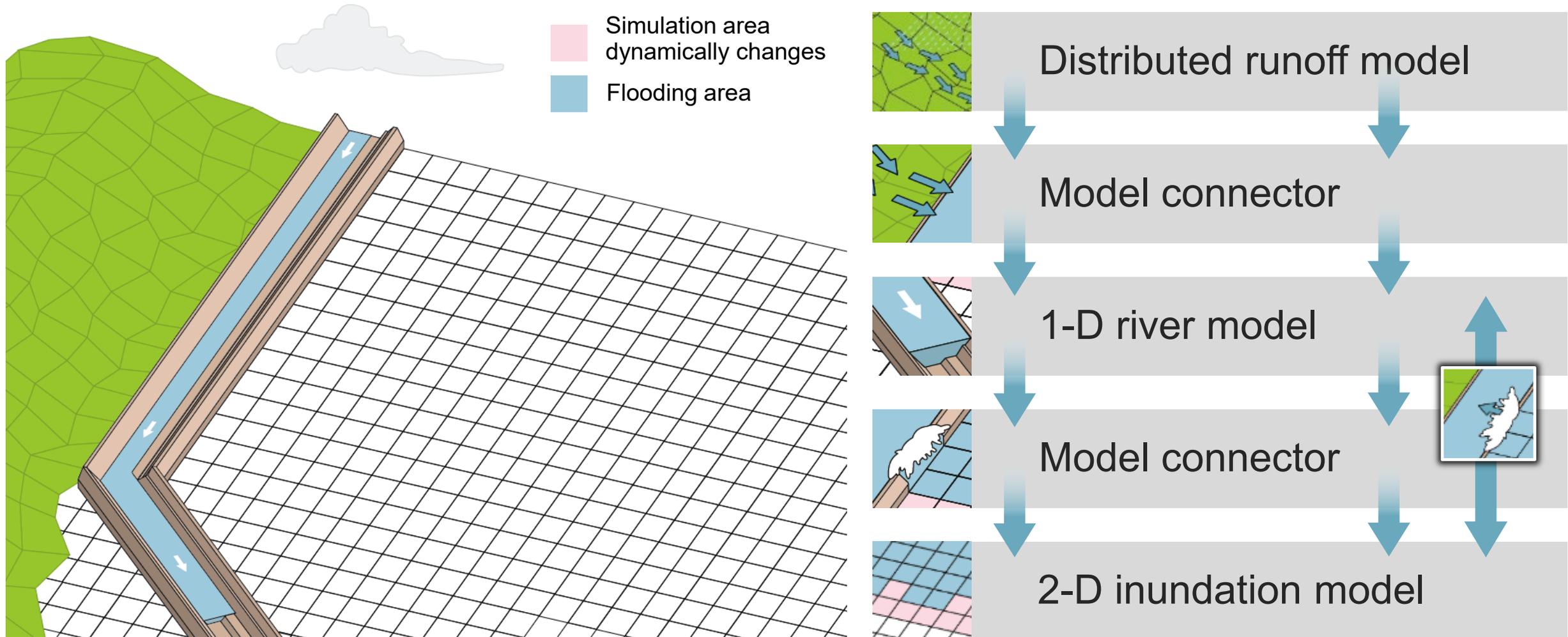
Flood simulator : DioVISTA

In 2006, Hitachi Power Solutions released “DioVISTA,” a software which allows users to simulate and visualize flooding risks in Japan on an intuitive map-based interface.

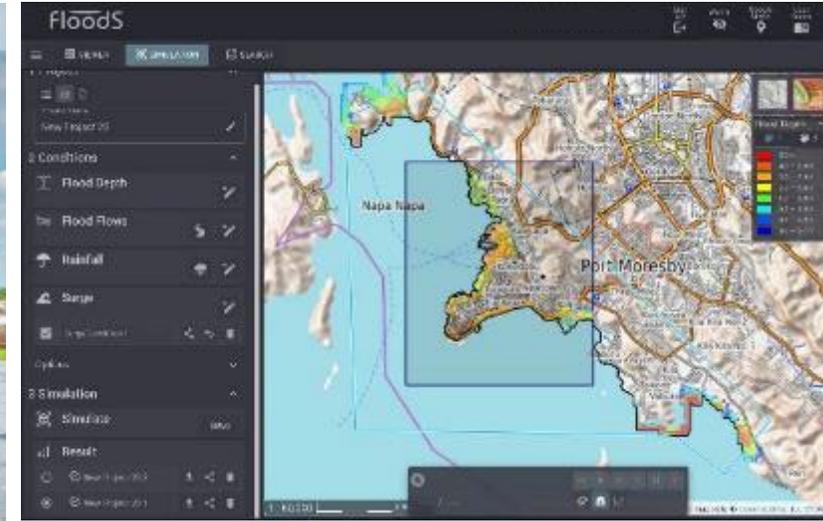


Flood simulator : DioVISTA

DioVISTA provides high-speed simulation results based on Hitachi's unique rainfall and water overflow models. It can also simulate the effect of built structures such as dams and reservoir ponds.



“FloodS” is a policy decision-making assistance service for climate adaptation, designed to support administrative staff in climate-vulnerable areas in building narratives for financial measures.



- In partnership with the Ministry of the Environment of Japan, Hitachi developed an easy-to-control web-based application to simulate flooding risk in different parts of the world
- Not only flooding caused by rainfall, but also flooding caused by storm surge and future sea level rise can be simulated
- “FloodS” is available for free from Nov. 30th

Hitachi will continue to support the global climate disaster prevention and recovery efforts through international government, science and business collaborations, harnessing the power of digital technologies.





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