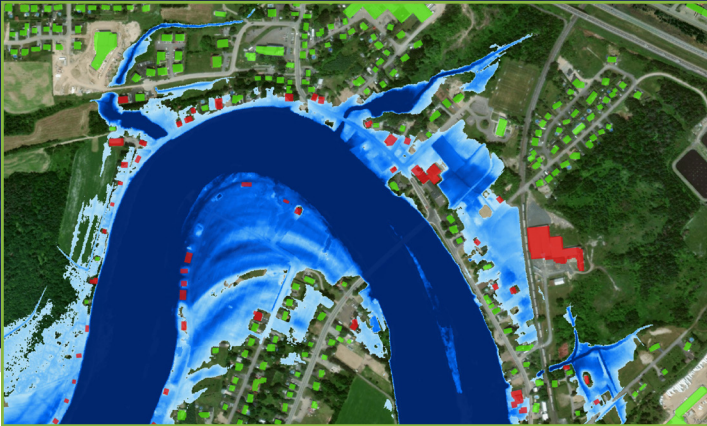
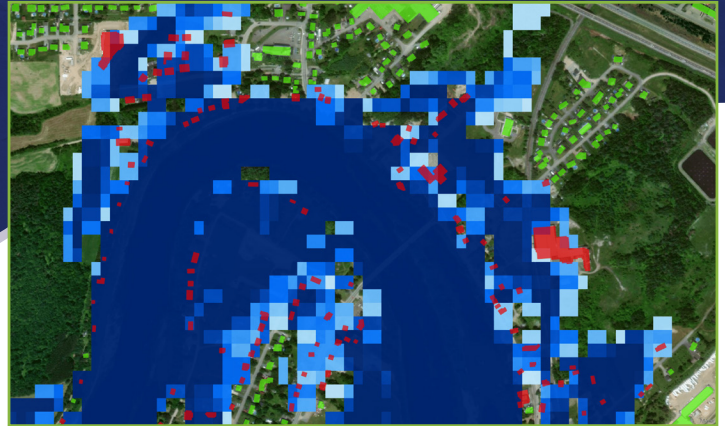


# Geosapiens 1 meter Flood Model: A Game-Changer for the Insurance Industry



Geosapiens 1 m model



30 m flood model

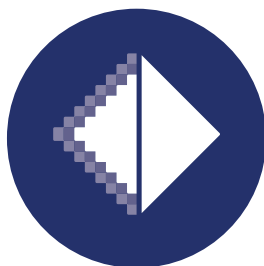
## Floods, a growing challenge for the insurance industry

**\$1.5**  
BILLION

the annual cost  
damage caused by  
floods in Canada

**3x**

more flood costs  
expected by 2030\*\*



Insufficient  
understanding of the  
flood risk caused by  
lack of accurate data

UNDERPREDICT  
**35%**  
OVERPREDICT  
**50%**

Low-resolution models  
underpredict the risk by  
35% and overpredict it  
up to 50%\*

# Accurate flood data leads to better decisions.

## Geosapiens 1-meter Flood Model: the first of its kind in Canada

Geosapiens' 1-meter Flood Model provides **detailed and accurate data on flood risk, improving on the limitations of low-resolution models.** Geosapiens flood model helps insurance companies to make better decisions and **reduce their exposure to risk and financial losses.**



AI-based hydrology model generating flood quantiles for every catchment in North America



Stochastic flood maps for **15 return periods between 2 and 1500 years**



Web-based data service for model visualization and analytics

For an area of 1 Km<sup>2</sup>, the 1-meter flood model generates **1,000,000 data points** compared to around 1,000 for a 30-meter flood model.

### Our promise for the insurance industry:



- Reduce overestimating and underestimating the risk
- Improve market segmentation
- Achieve more accurate pricing and increase profitability
- Reduce the number and the cost of claims
- Improve your customer acquisition and satisfaction

## Expertise beyond data: meet Geosapiens' flood experts



Our team of GIS, water science and IT specialists are ready to help you with your challenges in flood management and protect your business and community.

Contact us now  
**BUILD A MORE COMPETITIVE FLOOD INSURANCE PRODUCT.**



www.geosapiens.com  
letstalk@geosapiens.com  
1 888 862-7520