

AIR Extratropical Cyclone Model for Europe





→ Release Information

Date June 2019

Software

- Touchstone 7.0
- Touchstone Re
- CATRADER 21.0

↓ Model Details

Domain	Wind	Storm Surge
		
Perils	Wind, storm surge caused by extratropical cyclones	
Model Resolution	Wind Storm Surge	1km x 1km 10 m

Stochastic Catalog
10,000-year
Historical Event Set
38
World Scenarios Event Sets
EDS 5 (wind) / 1 (storm surge) Lloyd's RDS 1
Supported Construction Classes
47
Supported Occupancy Classes
117 (Large industrial facilities: 62)

Touchstone Geographic Resolutions	
<ul style="list-style-type: none">• Country• CRESTA code• Postal code	<ul style="list-style-type: none">• City name• Latitude and longitude• INSEE codes in France

Supported Secondary Risk Characteristics
Storm Surge Only <ul style="list-style-type: none"> • First-floor height • Custom elevation • Custom standard of protection • Foundation type • Floor of Interest

Lines of Business	
<ul style="list-style-type: none">• Residential• Small Industrial• Agricultural• Greenhouses (wind only)• Manufactured homes• Automobiles	<ul style="list-style-type: none">• Forestry (wind only)• Marine (includes inland transit/warehouse, cargo, hull, wind turbines, and builder's risk)• Large industrial facilities

Intensity Parameters
Wind Wind speed at 10 meters above ground, 3-second wind gusts Storm Surge Effective inundation depth, in meters, on the ground floor of the affected building
Geospatial Layers
Wind Footprints (for various RPs, RDS, selected historical events)