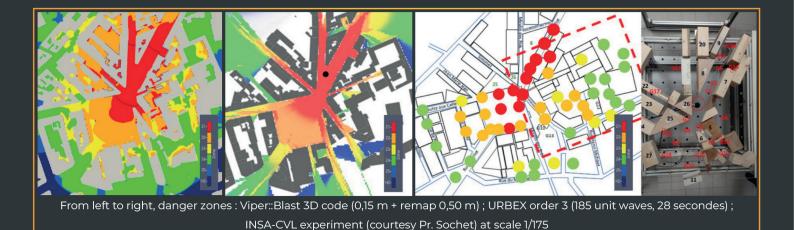


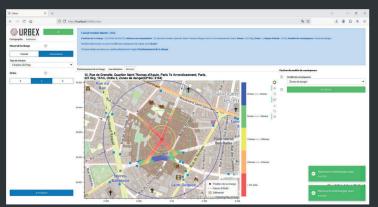
URBEX

Explosions in urban settings

URBEX is a fast-running, meshless, breakthrough model for computing the consequences of explosions in urban or industrial settings.

- Output of a R&D project co-funded by the French National Research Agency (grant number ANR-21-CE39-0016).
- · Innovative, patented mathematical method (patent number FR3158819).
- · All urban effects are taken into account:
 - Multiple diffractions, multiple regular and Mach reflections.
 - Street channeling effects.
 - Urban canopy bypassing.
- · Standard consequence models are implemented (ΔP zones, Green book probits).
- · Runtime ~1 minute on a recent computer (order 2 for a 300 m radius zone).
- · Worldwide coverage (OpenStreetMap buildings and tiles, ESRI imagery).
- · Almost as accurate as a 3D numerical code.





URBEX GUI

URBEX is available as standalone software for an annual license fee and can be tailored to your needs

- Your geospatial data sources (building footprints, satellite imagery, map tiles).
- Your preferred consequence models (from literature or developed in-house).
- Translation of the user interface into your language.
- · Offline version.



