

• Introducing AirAdvanced®Map

### What is AirAdvanced® Map?

AirAdvanced® Map



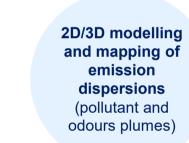
Site

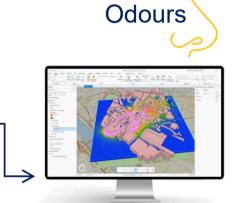
Weather

Emissions

ArcGIS Pro

General













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#### Why a new product?







Based on advent of new libraries easy to maintain

General

Inspired by positive customer feedback to enhance user experience

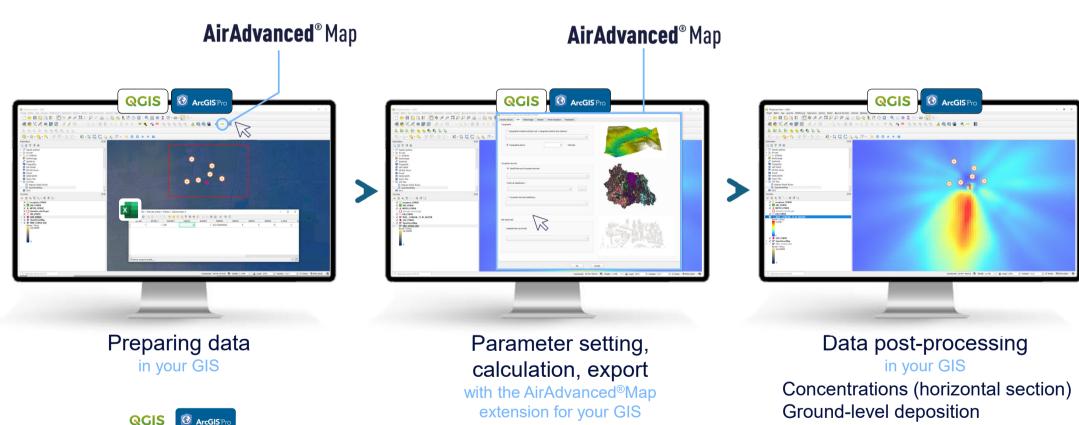
**35 years** of expertise in atmospheric dispersion, **hundreds** of licenses sold, and **66 clients** under maintenance including the City of Paris; INERIS, Arcelor Mittal...

- Software made by modelling experts for modeler
- 2. Provided international references **and** state-of-the-art models
- 3. Module integrated into customer work environments

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#### An integrated extension to your GIS



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General

Discover AirAdvanced®Map

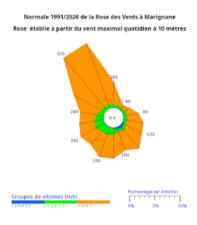
**Suez** 

Concentrations in percentiles Frequency of exceedance

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#### A wide range of meteorological inputs





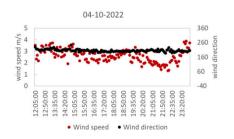




# MET STATION TIME SERIES SEQUENTIAL

**AIM / PMSS** 

General



MESO SCALE MODEL

WRF, AROME, ...
PMSS



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#### **Significant progress**



1 GUI

for pre- and postprocessing, calculations



2 Models

dispersion in a single software package



**Trefic** 

Integrated



The power of GIS

for symbology, background maps



Availability under QGIS and ARCGIS PRO

version tracking



Integrated 3D analysis

directly in ARCGIS PRO or with PARAVIEW



#### **Case 1: ICPE regulatory study**



AIM

Gaussian model







O Bordeaux

- 2 point sources (chimneys) emitting NOx and PM<sub>10</sub>
- 2 surface sources (settling tanks) emitting odours
- Line sources (lorry traffic) emitting NOx and PM<sub>10</sub>
- > Taking topography into account
- > Meteorological data from one station over 1 year taken into account

#### Case 2: Air & Health urban development study



**PMSS** 





Urban area



Paris IV<sup>e</sup> XI<sup>e</sup>

- Line sources with Average Daily Traffic (ADT)
- 1 point source: generator on Quai de l'Arsenal
- 1 point source: chimney on the roof of the Opéra Bastille
- > Flat land assumption
- > Academic weather situation: user-defined



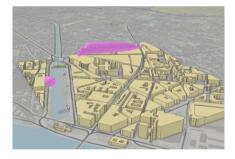
#### Case 3: ICPE study in an urban area - 3D visualisation



**PMSS** 







Paris IV<sup>e</sup> XI<sup>e</sup>

- 1 point source: generator on Quai de l'Arsenal
- 1 point source: chimney on the roof of the Opéra Bastille
- > Flat land assumption
- Weather data from one station
- > Modelling / 3D visualisation PARAVIEW and ARCGIS PRO

## THANK YOU

#### **Commercial offer & Technical support request**

https://forms.office.com/pages/responsepage.aspx?id=Zyih9C 2SnUu7hZ7niYUSoKjHgAoJa2JPoiiR1fLkxBNUMkZaVVZIQ0Q3 STdZTDBTN0Y1M0NGSkU0Ry4u&route=shorturl



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