ARIA Technologies SA From planet to street

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- French High-Tech Company founded in 1990 by meteorological and fluid dynamics experts
- Headquartered near Paris
- Several offices worldwide (USA, China, Singapore, Italy & Brazil)

One single concern: Modeling the atmospheric environment

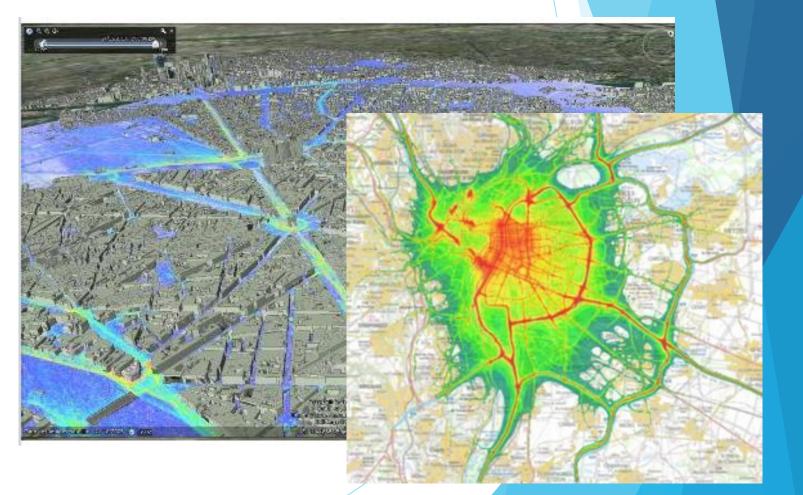
- Software / systems / consulting
- R&D collaboration with large universities (CNRS, ParisTech...) and research centers (US-NCAR)
- Founder & CEO of ARIA Technologies
- Delegate général for entreprises of Club ADEME International (French EPA)

FAIRCITY Platform HIGH RESOLUTION 3D URBAN SIMULATIONS

FAIRCITY : a unique solution developed in Paris and Lyons, by ARIA Technologies partnering with local AQ Boards



- From planet to street (3m cells)
- 3D metric resolution for urban areas, real-time
- Independent of specific AQ sensor hardware
- Analysis, Forecast, Scenarios
- Link with Indoor simulations for specific buildings
- Data assimilation from fixed and mobile sensors
- Ready to integrate mobile data as well as fixed reference AIRPARIF sensors
- Tested in several cities worldwide
 Paris, Milano, Torino, Roma, Wuhan,
 Hong-Kong, Beijing, Rio, Marseilles

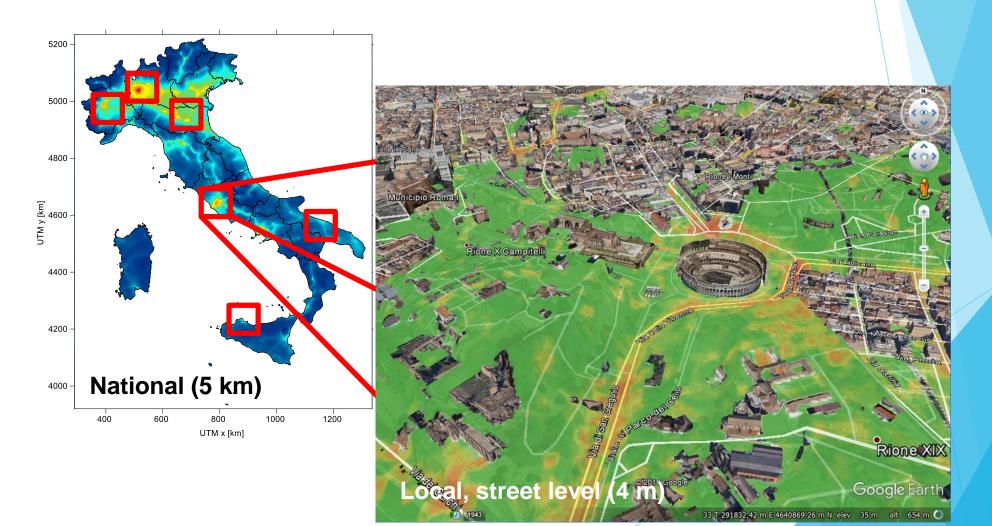


Conceptual design



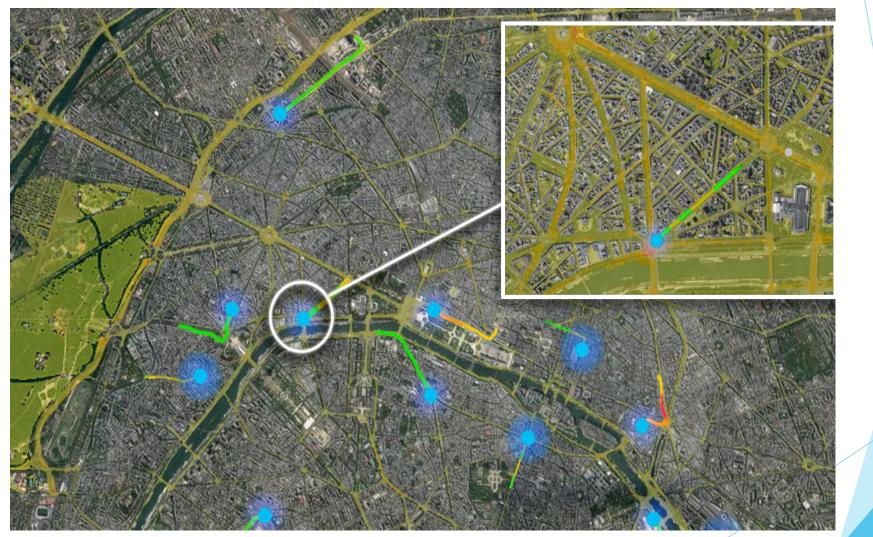


Risks of environmental exposures on health outcomes (mortality, hospital admissions, morbidity, road accidents, etc.) are estimated at progressively increasing resolution units from **national** to **urban** and **local** scales.



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https://d1hjcwvksvglh2.cloudfront.net/valeo/index.html

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High density grid

Large coverage

Mobile sensors embedded on vehicles

3D / Real-time data High quality & frequency data collection

Low set-up constraints Easy, and rapidly deployable

