Olfactory impact : know to better smell

Olfactive nuisances are with the noise the first sources of complaint. Broadcasting area (industrialists, processing centers, farms of methanation, agricultural producers…) are attentive to the nuisances that their installations can generate.

- → Odor
- → Percentile
- → Unit odor by cubic meter
- → Impact studies
  - Olfactive nuisance
  - Detection threshold
  - Identification threshold
  - Complaint
- → Risked plant

→ To determine the zone of olfactive impact is essential

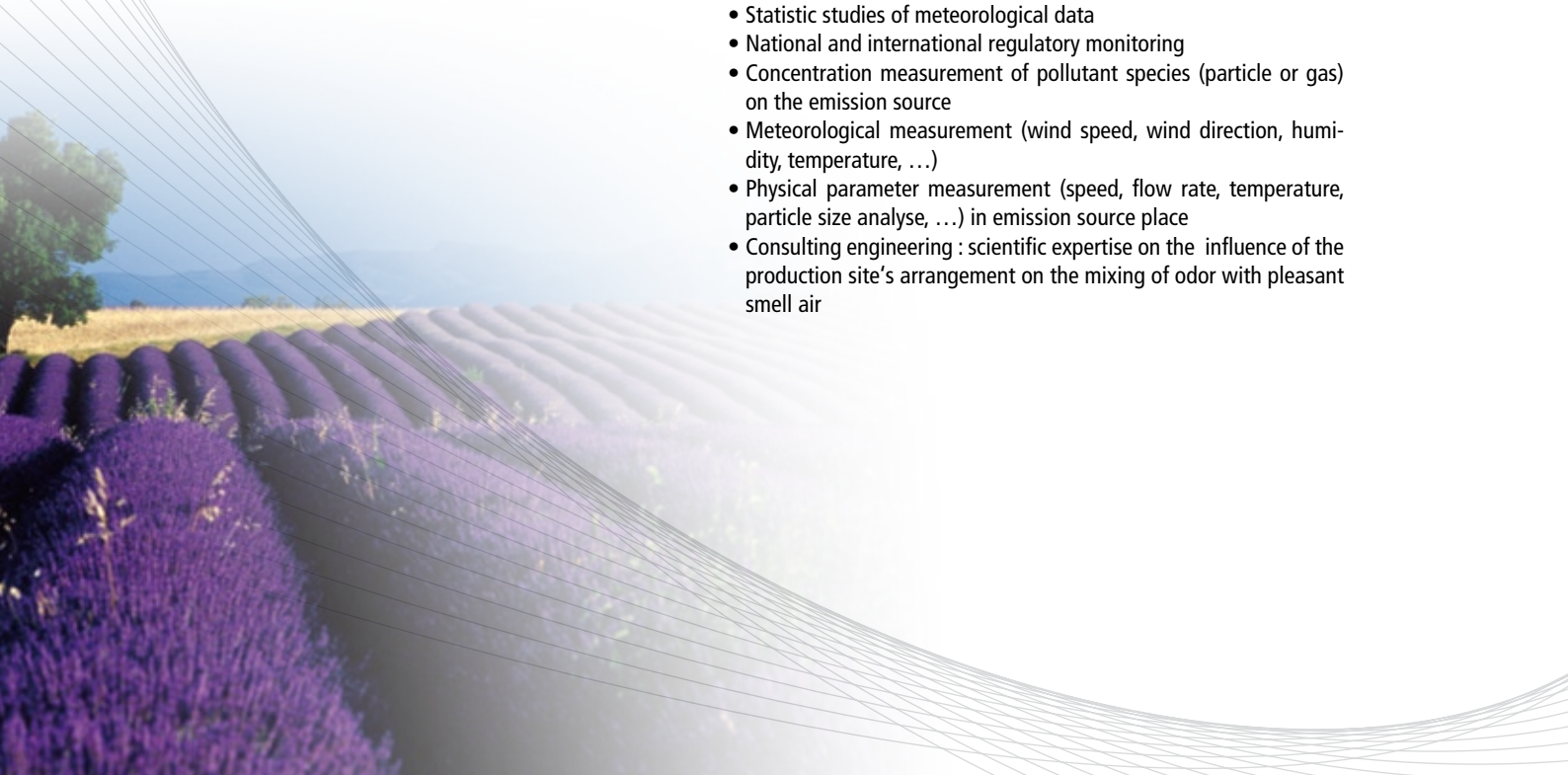
- Integrate technical and operating means into the forward objective to reduce the smelled emission to the source.
- Target the impacted areas.
- Plan the arrangements to reduce the inconvenience of the local residents.
- Allow a long-lasting insertion in your establishment localisation.
- Respect the regulations of risked plant.

→ Our Missions

- Specify your olfactive impact present or future
- Accompany You in the implementation of smells observatory
- Help You in the respect of the legislation for risked plant

→ Our services

- Numerical calculation of odor atmospheric dispersion
- 3D numerical calculation of wind flow on the emission site
- Statistic studies of meteorological data
- National and international regulatory monitoring
- Concentration measurement of pollutant species (particle or gas) on the emission source
- Meteorological measurement (wind speed, wind direction, humidity, temperature, …)
- Physical parameter measurement (speed, flow rate, temperature, particle size analyse, …) in emission source place
- Consulting engineering : scientific expertise on the influence of the production site's arrangement on the mixing of odor with pleasant smell air



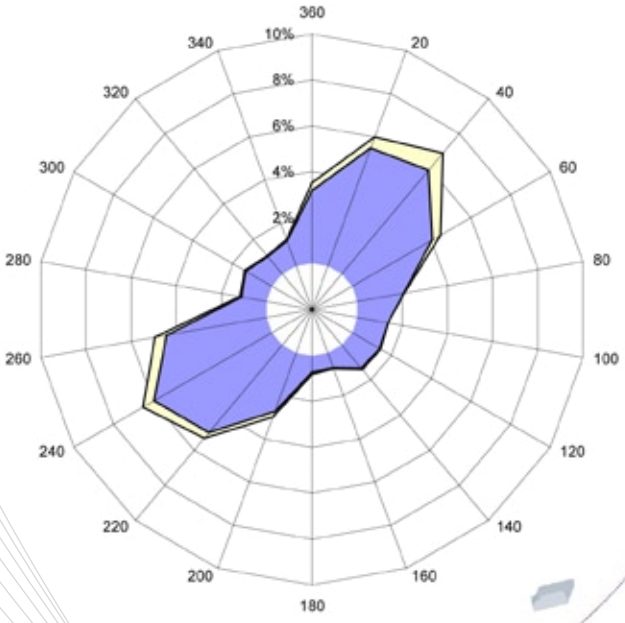
Atmospheric odor dispersion

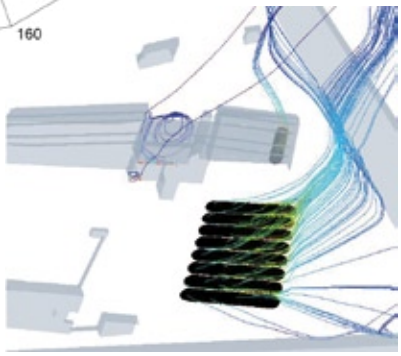
Our means

- SimDO-OI software (numerical calculation of odor atmospheric dispersion, agreed with the Environmental Protection Agency advice)
- FLUENT software (3D numerical calculation of wind flow)
- Numerical Workstation
- Mast measurement with anemometers (12m and 30m)
- SODAR (200m)
- Sampling chamber for odors

Some realisation :

- Characterization of olfactive impact of natural waste.
- Meteorological studie of industrial boiler in Paris area.
- Local meteorological measurement of a future installation on Saint Sébastien.





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