



satinfo

A la mesure de la Terre !

Centimeter-level positioning service

Subsidiary of the CLAAS Group  **CLAAS**

About Satinfo

A French company founded in 2003, wholly owned by the CLAAS group.

Satinfo operates a network of permanent GNSS reference stations covering metropolitan France and broadcasts multi-constellation Network RTK corrections for centimeter-level positioning application.



2003

Year founded



100 %

Wholly owned by CLAAS



232

Permanent GNSS stations



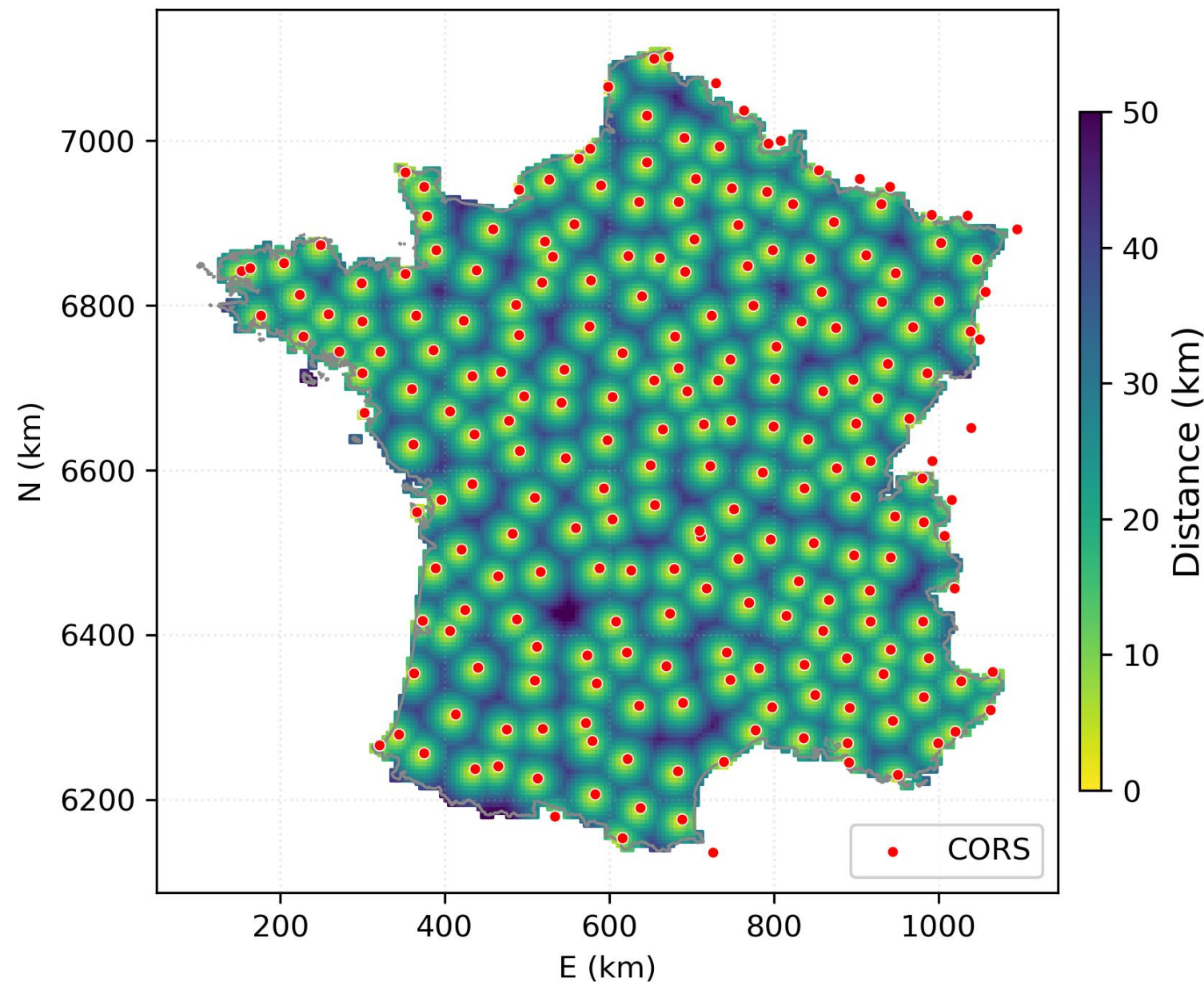
Chalon-sur-Saône

Headquarters (Saône-et-Loire, 71)

Professional markets: surveying, mapping, machine guidance & construction (~70%),
precision agriculture (~30%).

Infrastructure

A permanent reference network on a national scale



232

Multi-constellation, multi-frequency GNSS stations distributed across the territory

1~2cm

Horizontal precision : RMS (1σ)

2~3cm

Vertical precision : RMS (1σ)

Technical specifications

- Multi-constellation reception (GPS, GLONASS, Galileo, BeiDou) and multi-frequency
- Continuous Network RTK coverage across the entire service area
- Mesh continuously densified for service robustness

Geodesy

Anchored in the legal reference frame

RGF93 v2b

The French realisation of ETRS89
ETRF2000 · epoch 2019.0



Station coordinates

Referenced and monitored



Site characterisation

Each site is documented by an IGS-format site log describing equipment, environment and history.



Partnership with RGP / IGN

Station referencing and monitoring of position residuals carried out with the French permanent GNSS network (RGP).

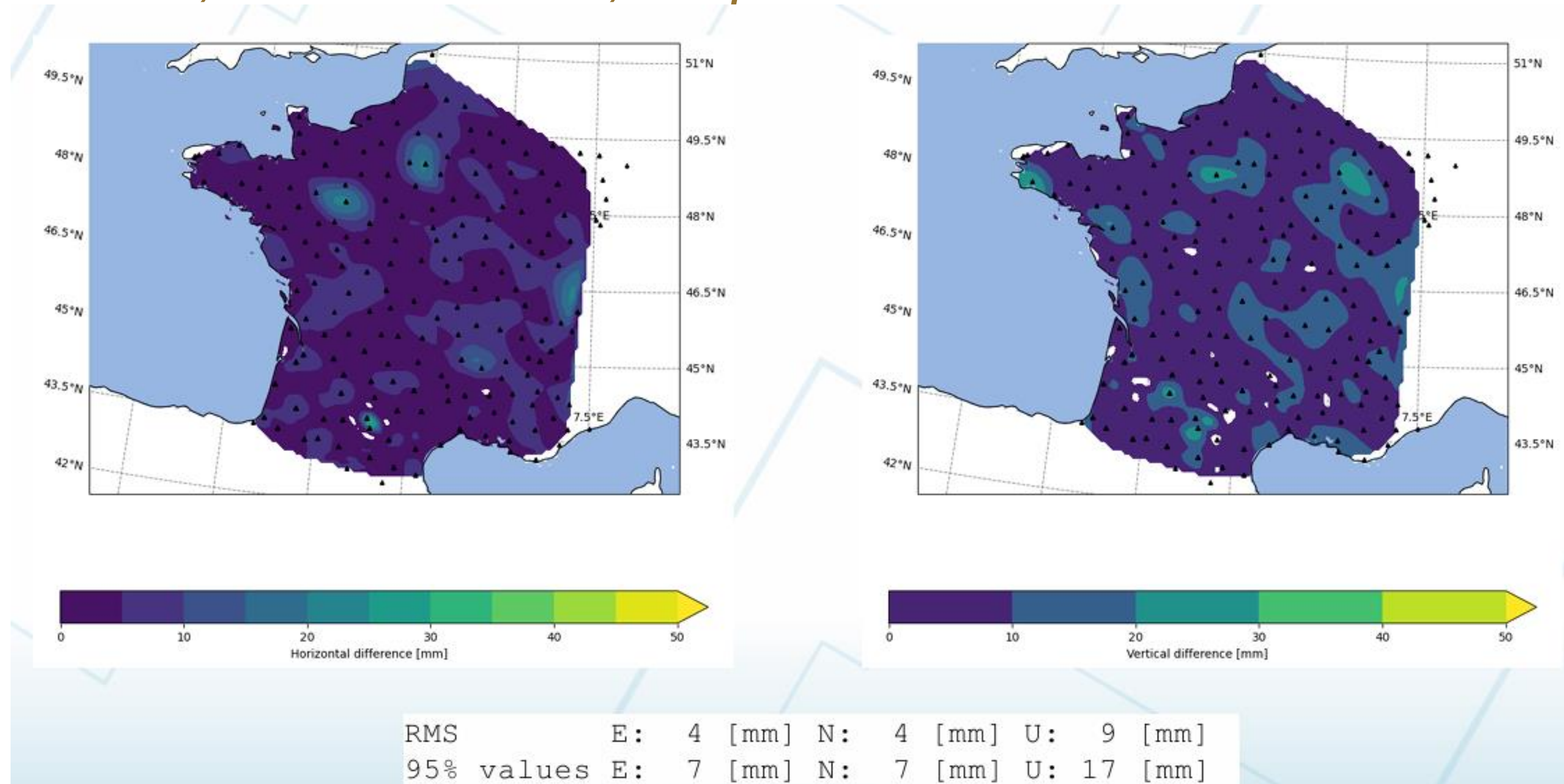


Legal traceability

Coordinates guaranteed in the legal reference frame a prerequisite for a controlled metrological chain.

Independent validation

Kadaster, Netherlands, Sept. 2025

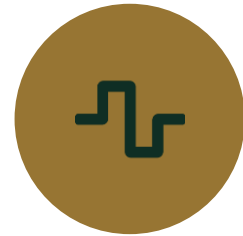


Method: VRS station grid from the SATINFO caster (RGF93 v2b); independent Bernese post-processing, transformed to ETRF2000 ep. 2019.0; compared to the grid reference coordinates.

Reliability

Continuous monitoring & integrity checks

Correction quality relies on continuous monitoring of every station and of the network solution.



Multipath & interference

Real-time detection of signals affected by multipath or RF interference.



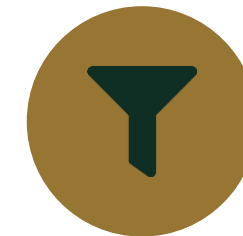
Spoofing

Monitoring of spoofing attempts to preserve positioning integrity.



Coordinate stability

Continuous monitoring of the position stability of every station in the network.



Dynamic exclusion

Faulty stations are automatically excluded from the network solution.

→ Monitoring runs on a professional network management platform (Trimble Pivot); quality indicators delivered to users in real time.

Scientific commitment

Open data: contributing to the EPOS program

The RINEX data from **151** of our stations are made available to the scientific community in open access under a Creative Commons licence.



Creative Commons open access



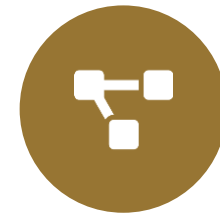
Metadata M3G

Site logs maintained in M3G by IGN's RGP.



RINEX observations

Distributed in RINEX format through the French EPOS-GNSS node.



Alongside the EPN

The EUREF Permanent GNSS Network, maintaining and densifying the realisation of ETRS89.

SATINFO thus joins the contributors to EPOS, putting a dense, privately operated network at the service of scientific research.



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A la mesure de la Terre !

Let's connect during the symposium

A dense, monitored GNSS network, open to the scientific community - beyond our professional users.



Open data EPOS-GNSS · RINEX · M3G

Our teams are present throughout the symposium

- A wholly owned subsidiary of the CLAAS group · Chalon-sur-Saône, France

