

June 3rd, 2026 - SNCF Gares & Connexions

Climate change adaptation for SNCF Gares & Connexions

Secrétariat Général, Direction RSE



Climate events already have very concrete impacts on stations

Cannes 2015



Less than a year after its inauguration, the station was flooded and closed for several days. Several months of work were subsequently required.

Rennes 2022



The heatwave (46°C measured) had a major impact on the station, with passengers and shopkeepers experiencing major discomfort, goods being lost and operations being affected (relocation of the Disabled Passenger Assistance service point).

Nantes Summer 2025



The heatwave led to the mezzanine closure on 30th June disturbing station running and retail activity and attracting negative media coverage

A study of stations climate vulnerability to organize the topic

- Performed in 2023 on the **3000 French train stations**
- **3 time horizons:** 2030, 2050, 2100
- Initially based on the **GIEC RCP 4.5 and 8.5 scenarios**, then updated in 2025 with data from the **TRACC** (France's reference scenario for climate adaptation)
- 8 out of 14 climate risks studied identified for structuring the adaptation plan



Flooding
(river, pluvial, stormwater, groundwater flooding)



Shrinking-swelling of clays (SSCS)



Extreme heat



Wildfires



Landslides

5 most material hazards identified by the study



Drought



Strong winds



Coastal erosion

3 principles of our strategic vision :

- Prioritising investment in stations that play the most critical role for the rail system
- Avoiding the complete destruction / significant deterioration of the station
- Taking into account climate adaptation issues into current and future projects

The most vulnerable and critical stations* as part of the rail system in each region

- **Top 20** most criticized and most extremely criticized train stations as part of the rail system

● **Most heavily criticized train stations**

● **The most critical station in the region**



Solutions already implemented which could be expanded in other stations

Rennes



Giant air circulators have been implemented to improve the thermal comfort in the hottest areas of the station.

Avignon Centre



The green forecourt brings a refreshing touch to the area around the station thanks to the shade provided by the trees and the evapotranspiration of the plants.

Saint-Michel Notre Dame



Flood-resistant windows – i.e. glazing capable of withstanding the pressure of a river at a one-century flood level, reinforced with a mesh screen to prevent impacts from flying debris – have been installed.