

Map guide: Weather Radar

This page displays maps estimating rainfall intensity across the regional territory covered by the two weather radars in Gattatico (RE) and San Pietro Capofiume (BO).

The maps, produced every 15 minutes, refer to the last 24 hours and can be viewed individually or as an animation.

The estimated rainfall intensity is represented on the maps with five different colours corresponding to: intermittent, light, moderate, heavy and intense rainfall.

This is a rainfall estimate based on the reflectivity measured by weather radars. The reflectivity value, expressed in dBZ, is directly related to the water content of the cloud and usually corresponds to precipitation on the ground.

It is possible to roughly correlate the dBZ value and instantaneous precipitation, expressed in mm/h, as follows:

< 10 dbZ	=	<0.2 mm/h (absent)
10-20 dbZ	=	0.2-0.9 mm/h (intermittent)
20-35 dbZ	=	1-6 mm/h (light)
35-45 dbZ	=	6-25 mm/h (moderate)
45-55 dbZ	=	25-100 mm/h (heavy)
>55 dbZ	=	>100 mm/h (very heavy)

NB: The presence of any coloured areas indicating rain around the radars, circular or radial in shape or in isolated spots, may be due to signal interference with the ground and occurs in particular atmospheric conditions, generally in clear weather. The maps are georeferenced on the MapQuest cartographic base and the OpenStreetMap service.

General disclaimer

The maps are for informational purposes only and Arpae Emilia-Romagna accepts no responsibility for their improper use.