ABSTRACT OF THE DISCLOSURE (FIG. 1)

An information conversion apparatus (103) is used in a weather prediction system including a weather sensor (21) and a weather model calculation apparatus (102). The information conversion apparatus (103) includes an observation data conversion unit (1031) and a social model conversion unit (1032). The observation data conversion unit (1031) receives observation data obtained by observing a quantity of state in a social infrastructure (11, 12, 13, 14, 15), converts the received observation data into a format reflectable on the weather model, and transmits the converted data to the weather model calculation apparatus (102). The social model conversion unit (1032) receives social model data that simulatively predicts the quantity of state in the social infrastructure (11, 12, 13, 14, 15), converts the received social model data into the format reflectable on the weather model, and transmits the converted data to the weather model calculation apparatus (102).