

## IMPACTS DE L'EROSION PLUVIALE SUR L'ENVIRONNEMENT DANS LA VILLE DE NATITINGOU AU BENIN

*Abdoulaye Abdoul Ramane*

*Research Scholar, Department of Geography and Regional Planning, Environmental Geography and Cartography  
Laboratory, University of Parakou, Parakou, Benin,*

### **ABSTRACT**

*This survey aims to analyze the impacts of the pluvial erosion on the environment in the city of Natitingou. The methodological gait rests in particular on the analysis of the climatic data the precipitations on the studied period (1986–2015) and the data descended of the remote detection. The indication of anomaly Standardized (IAC) and the yearly heap of the precipitations has been calculated to see the climatic variability in the middle of survey. The picture of elevation (DEM) has been used for the numeric model of land (MNT). The socio-anthropological investigatings permitted to have the strategies of adaptation of the populations facing the erosion. The results descended of these analyses stipulate that the city of Natitingou is in a zone damaged with a relief that varies between 320 m and 600 m of altitude. The analysis of the cards of the erosion factors shows that the slopes (0 to 37 %), soils and the plant table setting are the main reasons of the erosion. The strong slopes covering 9,08% of the surface of the city and the type of coarse soil of the city returns therefore the infiltration of the difficult water accelerates the fast out-flow of the pluvial waters. All these parameters accelerate the phenomenon of the erosion of the roads in the city. The population develops endogenous strategies as the construction of the belts autours of the houses, of the emancipation works.*

**KEYWORDS:** *Impact, Pluvial Erosion, Environment, City, Natitingou*

---

### **Article History**

**Received: 19 Mar 2020 | Revised: 31 Mar 2020 | Accepted: 13 Apr 2020**

---