



CSRS SCIENTIFIC SEMINAR N°14-11

Thursday, 04th august 2011 (Norbert Behi Lecture Hall, CSRS, Km 17 Adiopoudoumé) 01 : 00 pm

Theme : Equity assessment in water accessibility in a framework of several Water supply systems: Case study of Bouaké (Côte d'Ivoire)

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Abstract

Access to safe water and adequate sanitation facilities are imperative for human health. Unfortunately, this access remains one of the biggest challenges facing 884 millions of people, particularly in poor urban areas of developing countries. Equitable access to safe water service is widely acknowledged as important development goals. Equity is based on a principle of fairness which reflects the values of the society and does not have to be based on equal share but acceptable access to every one. In Bouaké town as in the others big towns of Côte d'Ivoire the water supply is intermittent. To fight against this intermittency, people used or combine several water supply systems. Even if, it improved their access, it could create many iniquities. The objective of this study carried out in Bouaké, especially in Sokoura and Oliénoú is to analyze some equity indicators in a framework of many water systems using. one-time questionnaire was administrated to 384 households, 200 in Sokoura and 184 in Oliénoú. 11 indicators were used to assess equity between the different water supply systems. 22 % of Sokoura area needs the extension of water distribution network and only 49 % of Sokoura people have access to water via individual connection to network. In Oliénoú, the fountain provides only 12 % of water consumption. 4 water systems were used in Sokoura (BPI, BPA + Buying water, water distribution system + wells and only wells) and 3 water systems were used in Oliénoú (Drinking fountain, Drinking fountain + wells and only wells). The difference between the proportion of household which have acceptable access to water is statistically significant for 9/11 indicators regarding the water supply systems.

Keywords: Accessibility, Bouaké, Côte d'Ivoire, equity, water supply system.