The aim of this paper is to present a model estimating the probability to innovate depending on ICT uses and equipments. To reach it, after an introduction to define the background of this question, we define a model in which decision to innovate depends ICT uses and equipments; this model is estimated by an econometric dichotomous Probit model applied to a sample of 300 Luxembourg firms.

The dataset comes from a unique merge of the Community Innovation survey 2006 and the Information and Communication Technologies Survey 2007. From this first step analysis the estimates show that different ICT and ICT equipment affect the probability to innovate.

Keywords: Innovation, ICT, Probit models, Luxembourg.

JEL Classification:O30,031,032,C25.

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