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## ABSTRACT

### **Title** Building area sampling with tax files

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A redesign of the Labor Force Survey (Enquête Emploi en continu) has taken place at the National Institute for Statistics and Economic Studies (INSEE) in order to improve the quality and precision of the survey results. Renewing the sampling design was among the proposals of the improvements to be undertaken. In the long term, the sampling design could be completely renewed but meanwhile, in the short term, the sample size had to be increased by 50%. The new sampling strategy had to preserve the characteristics of the area frame in order to delimit the travels of the interviewers. For the previous sample, the areas had been built by hand during two years using paper plans associated to the census. The tight schedule and the limited budget for the new sample's construction have not allowed to reuse this method. However, the high quality of statistical and geographical information in the tax files allows the automatic allocation of 32 million dwellings to approximately 200 000 sectors with similar size of about 120 quasi-contiguous main residences. The new sampling strategy had only to select some of them...