

## TOPOLOGICAL MOLINO'S THEORY

JESÚS A. ÁLVAREZ LÓPEZ AND MANUEL F. MOREIRA GALICIA

ABSTRACT. Molino's description of Riemannian foliations on compact manifolds is generalized to the setting of compact equicontinuous foliated spaces, in the case where the leaves are dense. In particular, a structural local group is associated to such a foliated space. As an application, we obtain a partial generalization of results by Carrière and Breuillard-Gelander, relating the structural local group to the growth of the leaves.

DEPARTAMENTO DE XEOMETRÍA E TOPOLOXÍA, FACULTADE DE MATEMÁTICAS, UNIVERSIDADE DE SANTIAGO DE COMPOSTELA, 15782 SANTIAGO DE COMPOSTELA, SPAIN  
*E-mail address:* `jesus.alvarez@usc.es`

DEPARTAMENTO DE XEOMETRÍA E TOPOLOXÍA, FACULTADE DE MATEMÁTICAS, UNIVERSIDADE DE SANTIAGO DE COMPOSTELA, 15782 SANTIAGO DE COMPOSTELA, SPAIN  
*E-mail address:* `morgal2002@gmail.com`