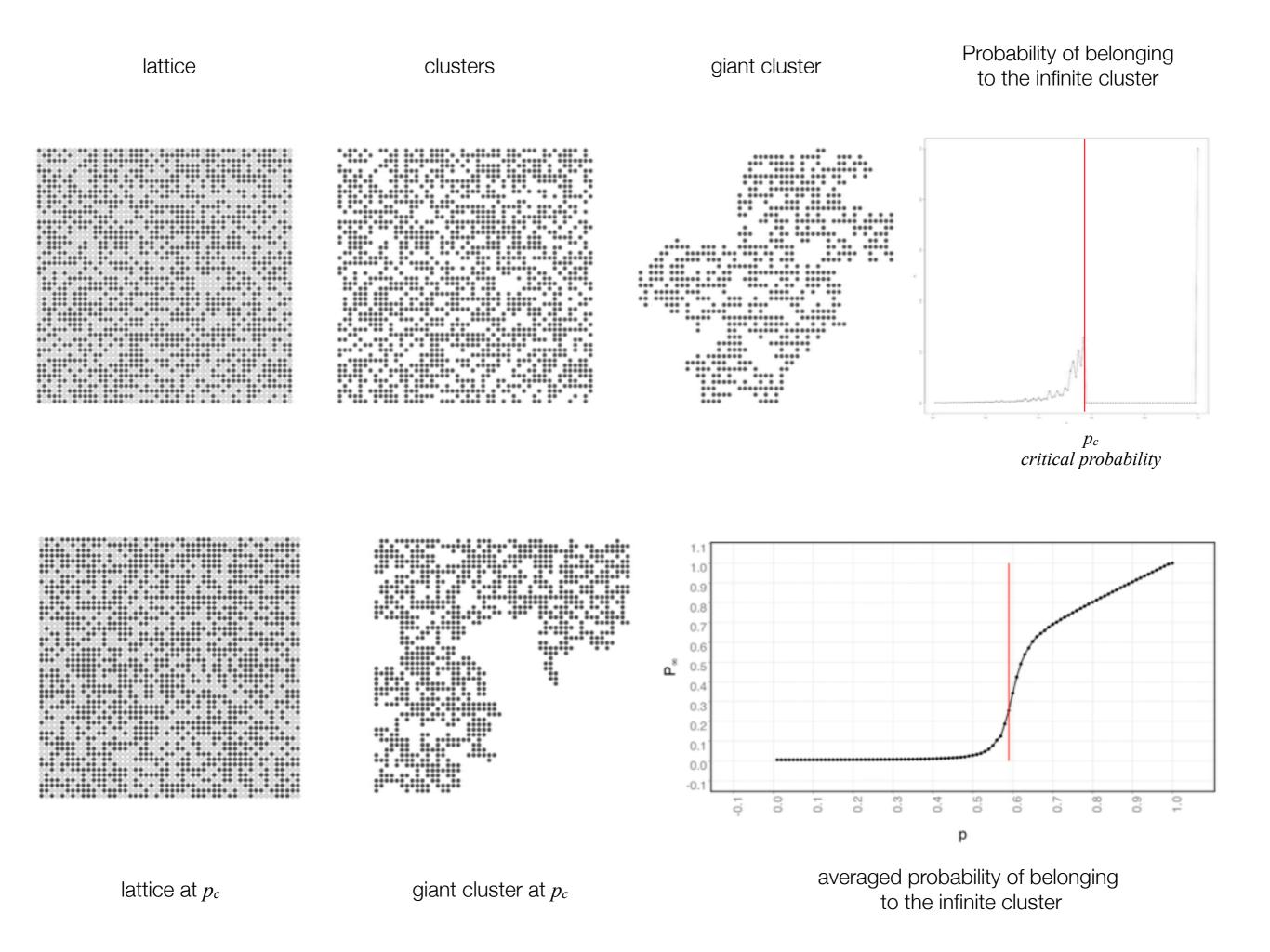
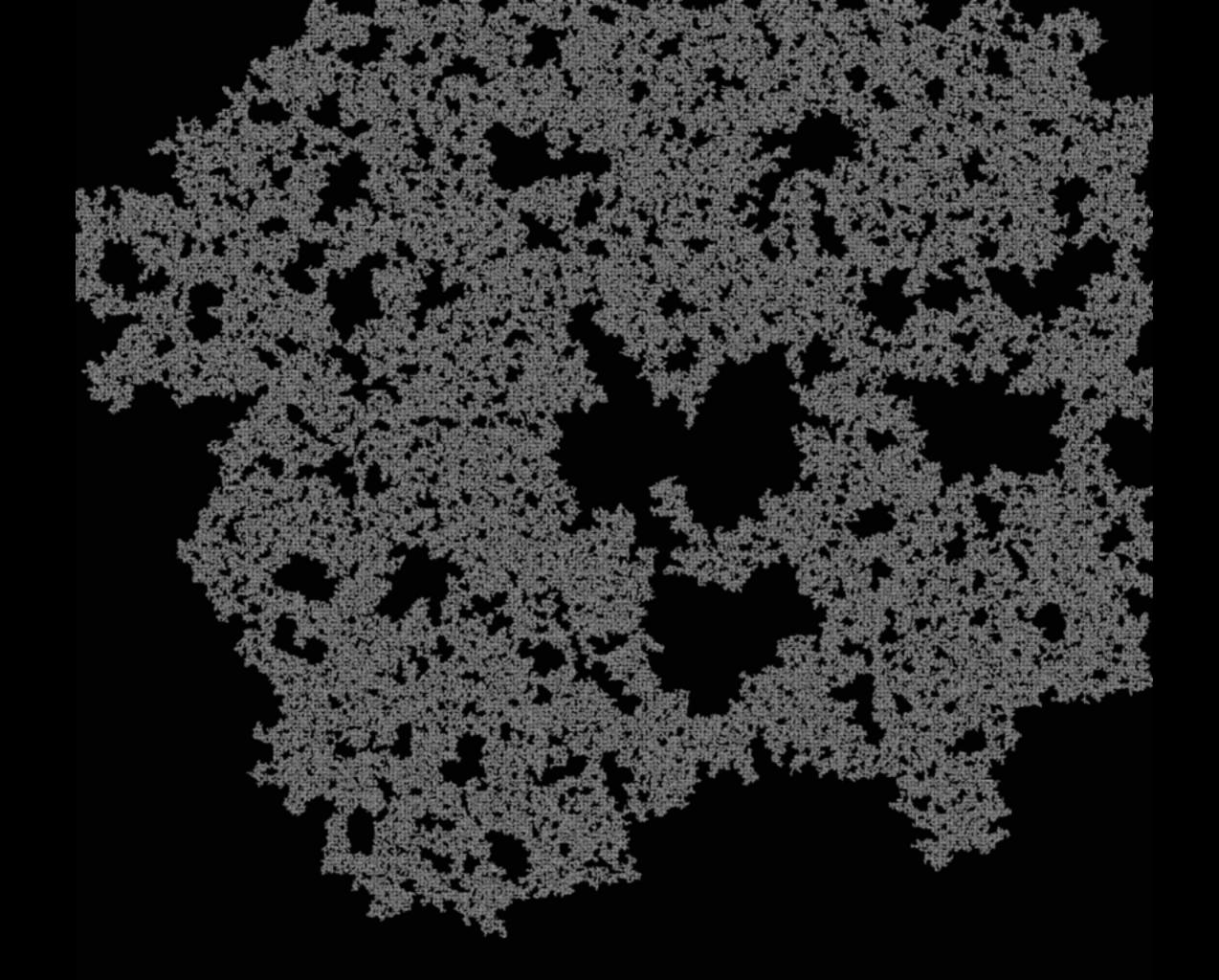
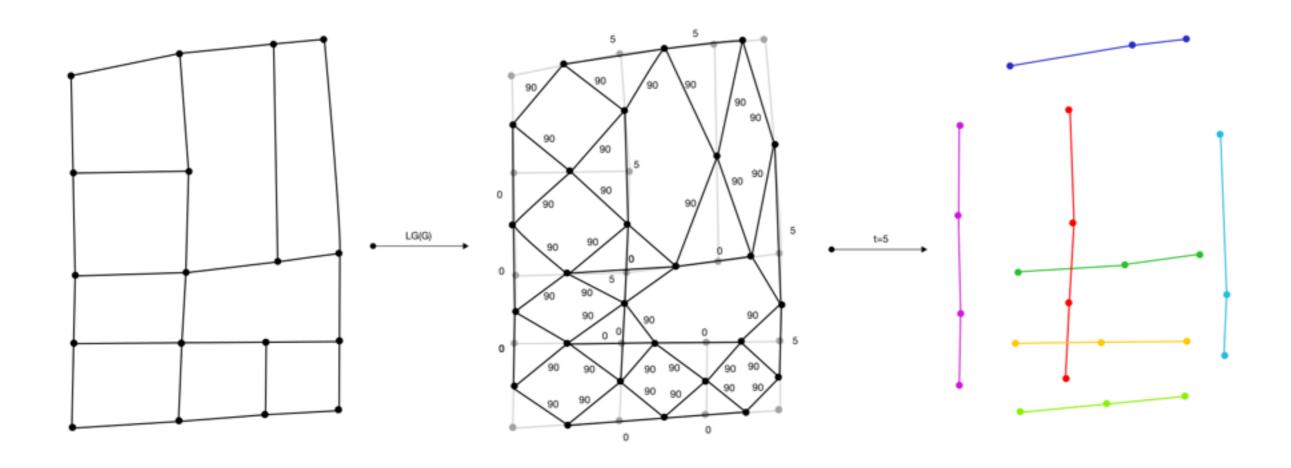
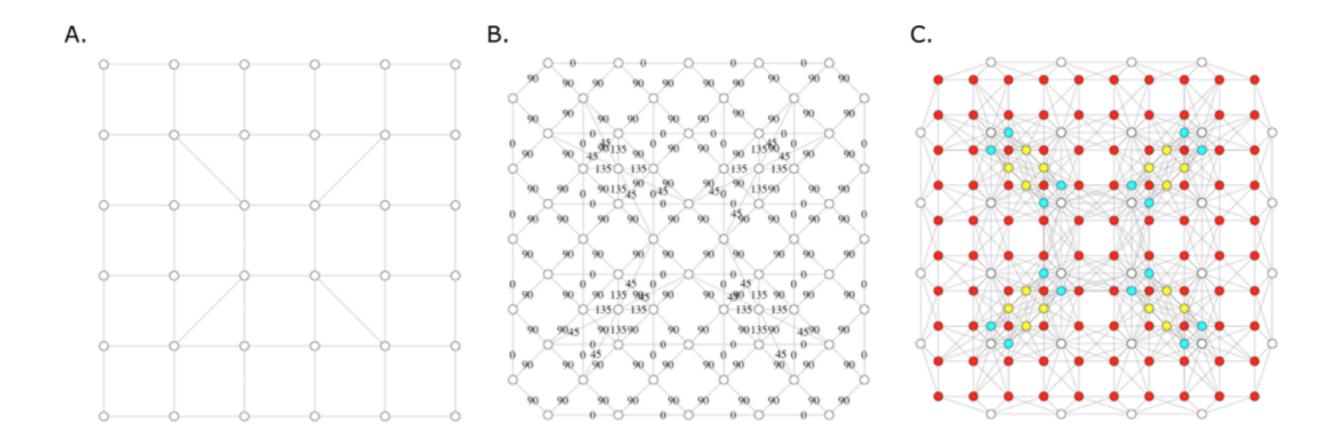
The angular nature of road networks

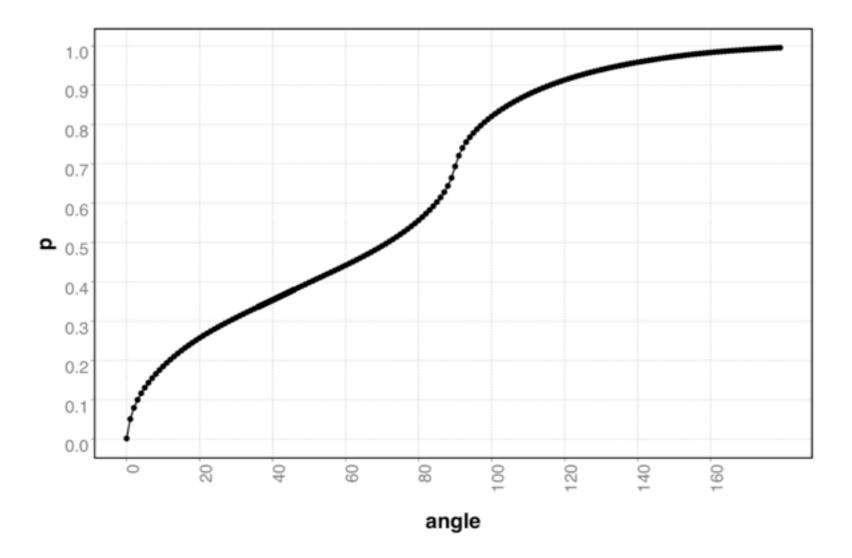
Dr. Carlos Molinero, CASA, UCL

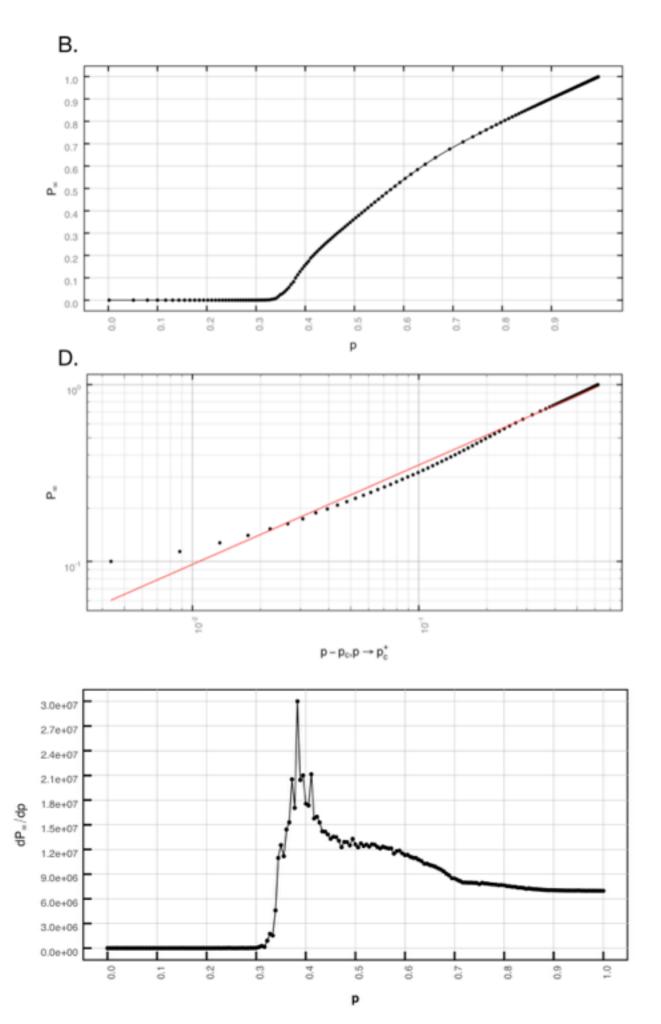




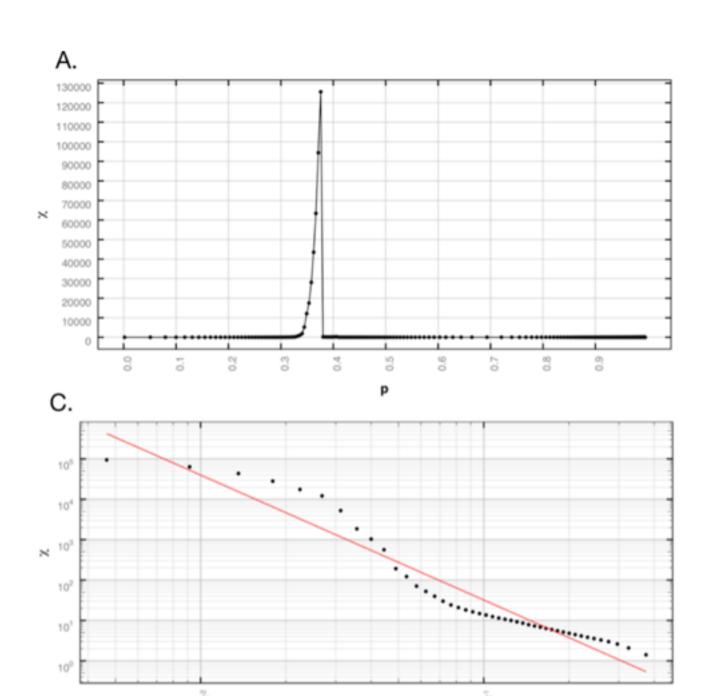






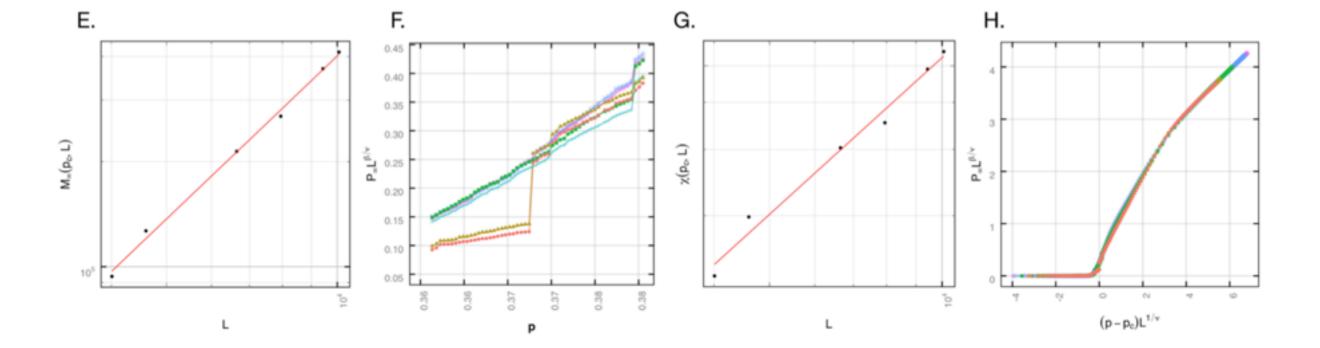


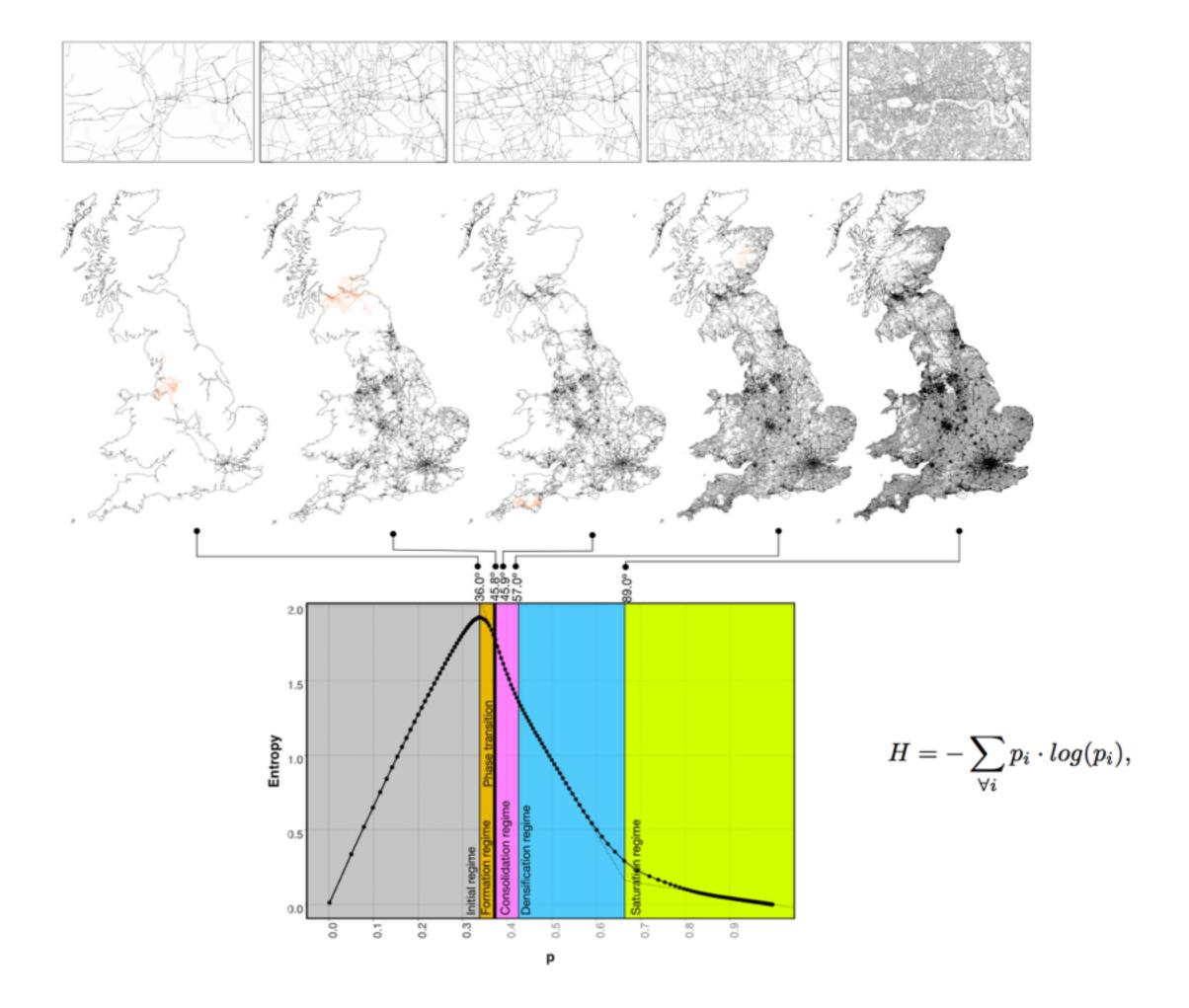
$$P_{\infty} \propto |p-p_c|^{\beta}, p \rightarrow p_c^+$$

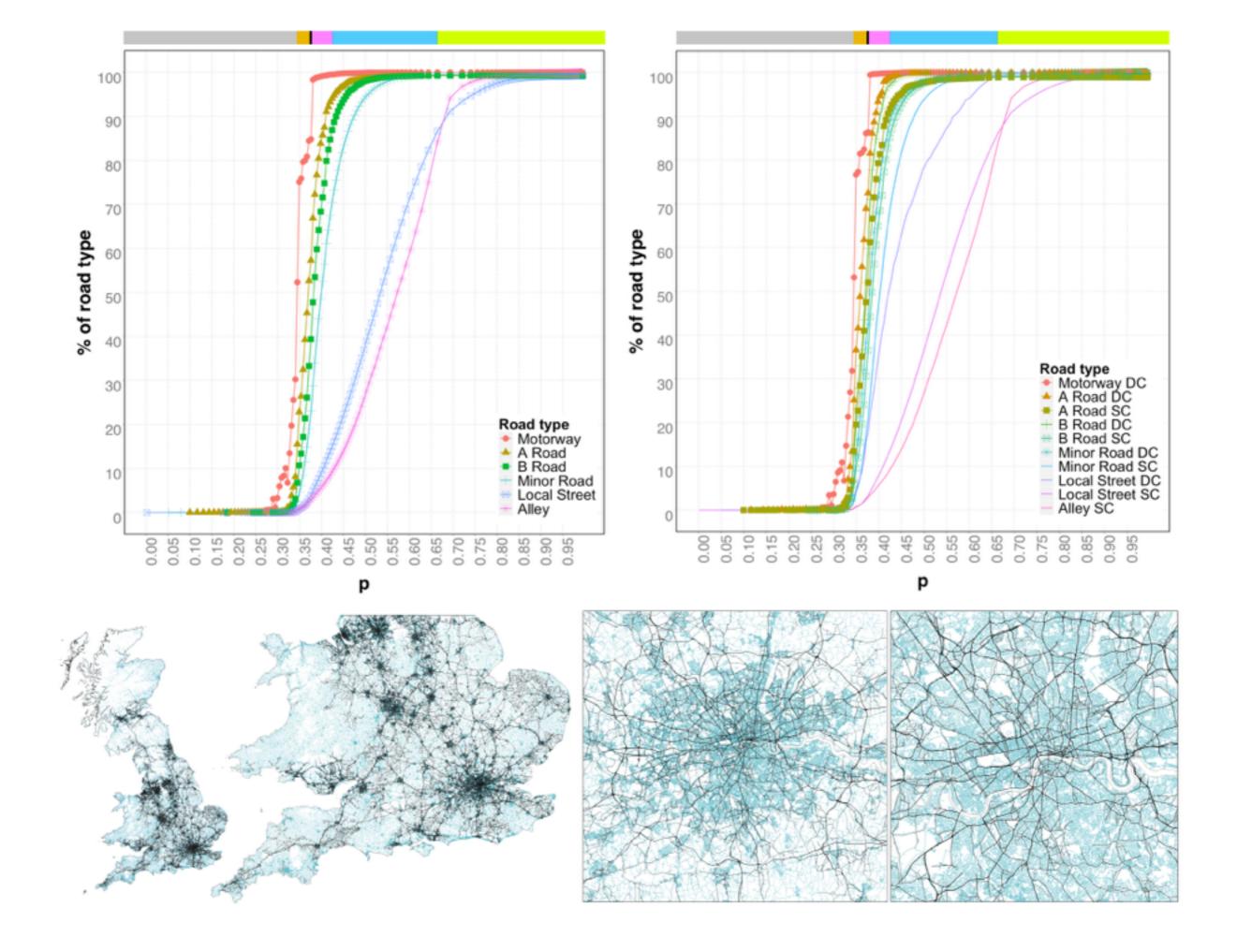


 $n_* - n \cdot n \rightarrow n^*$

$$\chi \propto |p_c - p|^{-\gamma}, p \to p_c$$



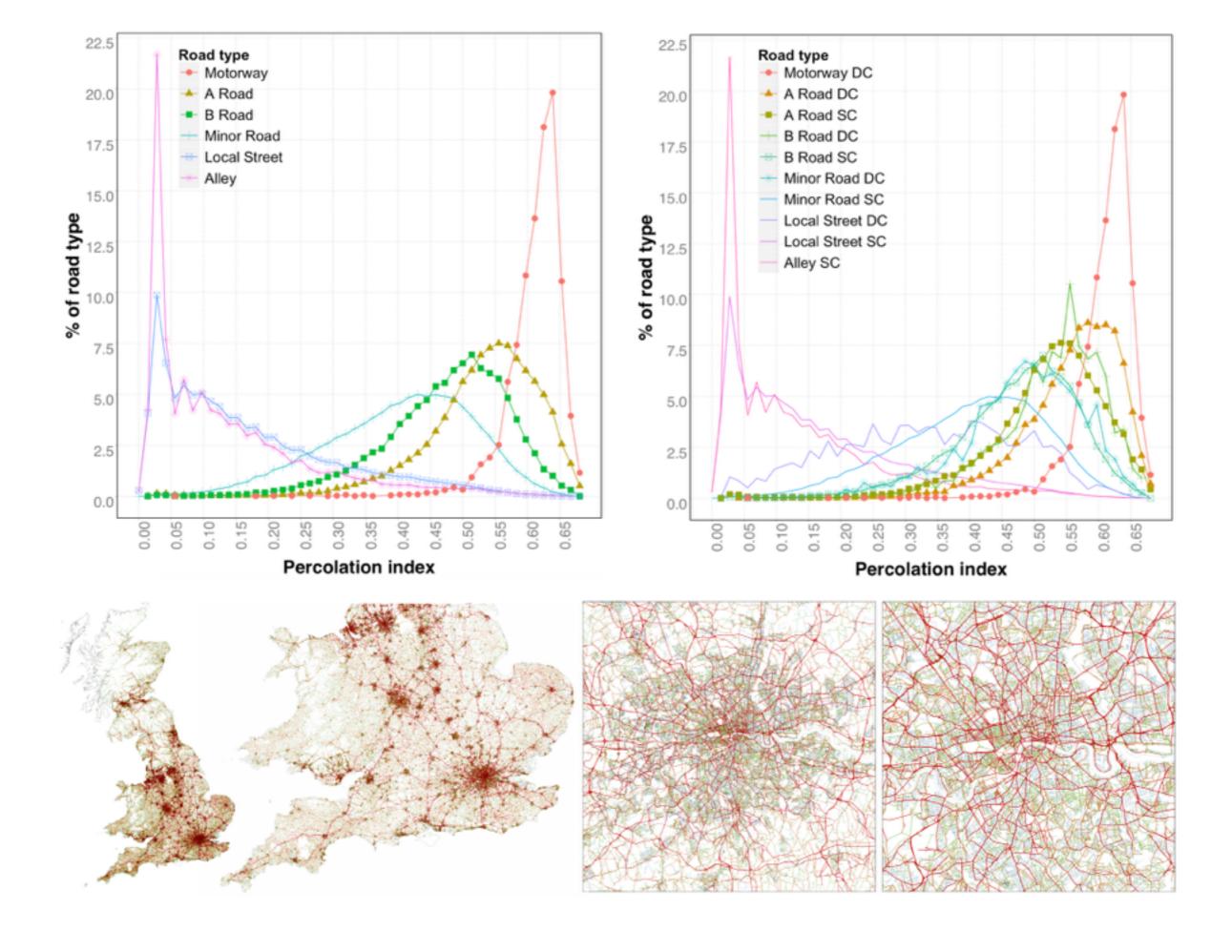




Hierarchical index based in the percolation process

$$I_i = \frac{\sum_{j=1}^t (H_j \cdot log(M_{i,j}))}{log(M) \cdot \sum_{j=1}^t H_j}$$

Where j goes through all the percolation thresholds (t), and $M_{i,j}$ is the mass of the cluster that contains road i at the j-th threshold, H_j is the entropy of the distribution of the cluster sizes at the j-th threshold and M is the total mass of the system.



Thank you