

## Topological Systems as Frame Morphisms

We review the characterization of topological systems by frame morphisms leading to the formulation of  $L$ -TopSys when  $L$  is a frame, show how the embeddings of  $L$ -Top and Loc into  $L$ -TopSys rest explicitly on the unit and counit associated with the well-known  $L$ -sobriety and  $L$ -spatiality for  $L$ -valued topologies, or, more precisely, with the adjunction  $L\Omega \dashv LPT$  and hence with the equivalence of  $L$ -SobTop with  $L$ -SpatLoc, and explore the concepts of spatiality and sobriety for  $L$ -TopSys.