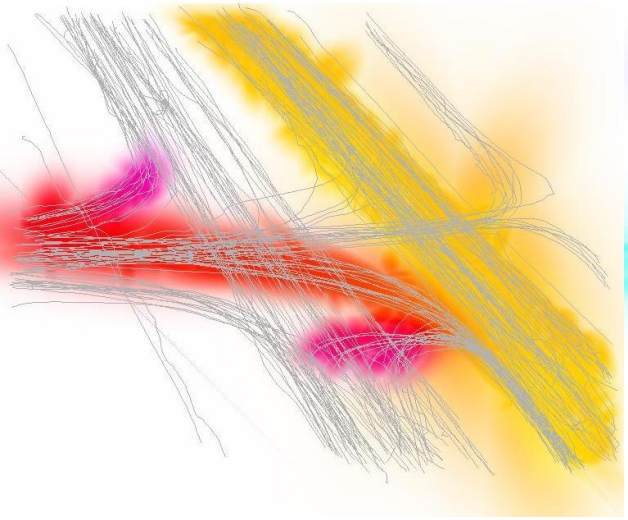
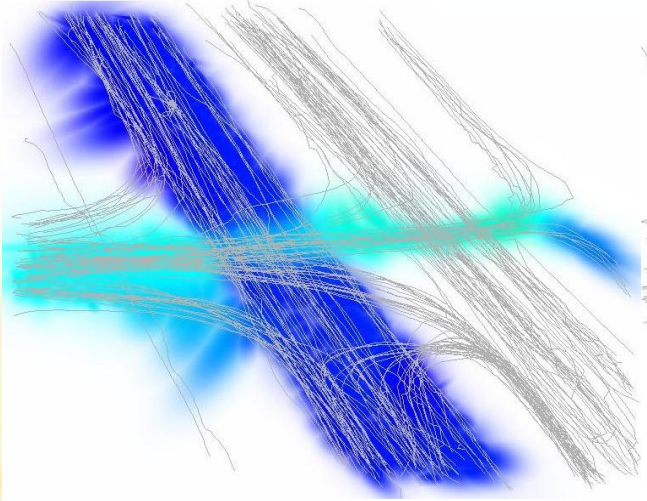
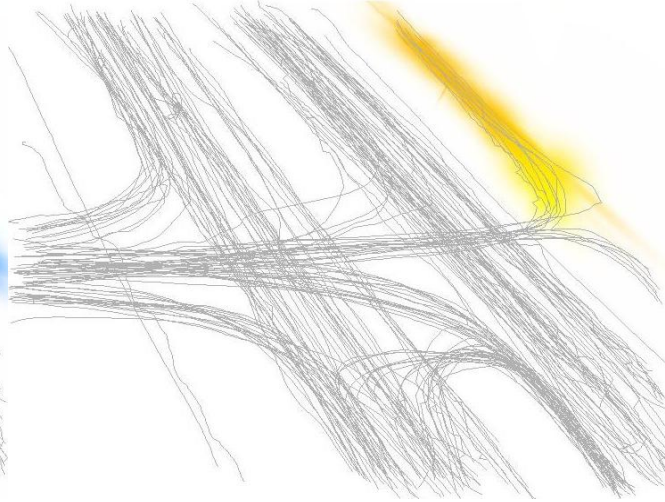
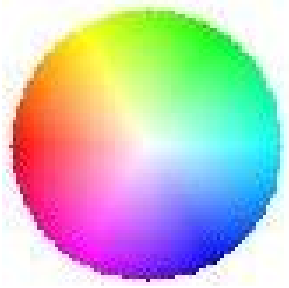
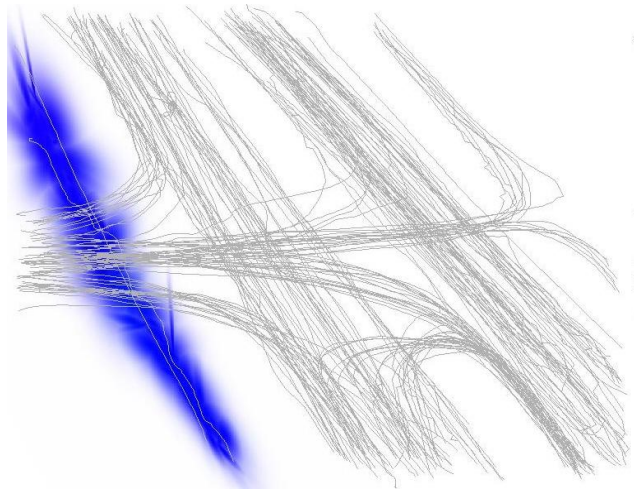
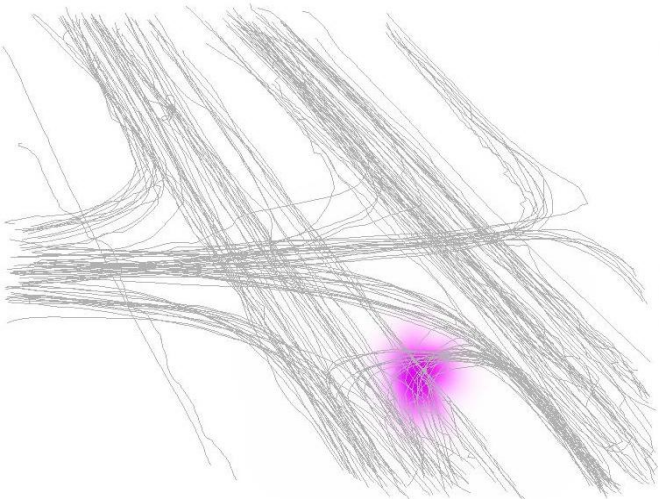
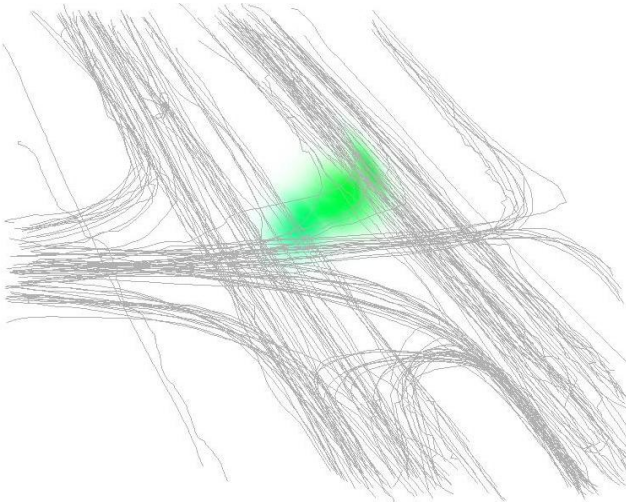
Fourth Progress Report

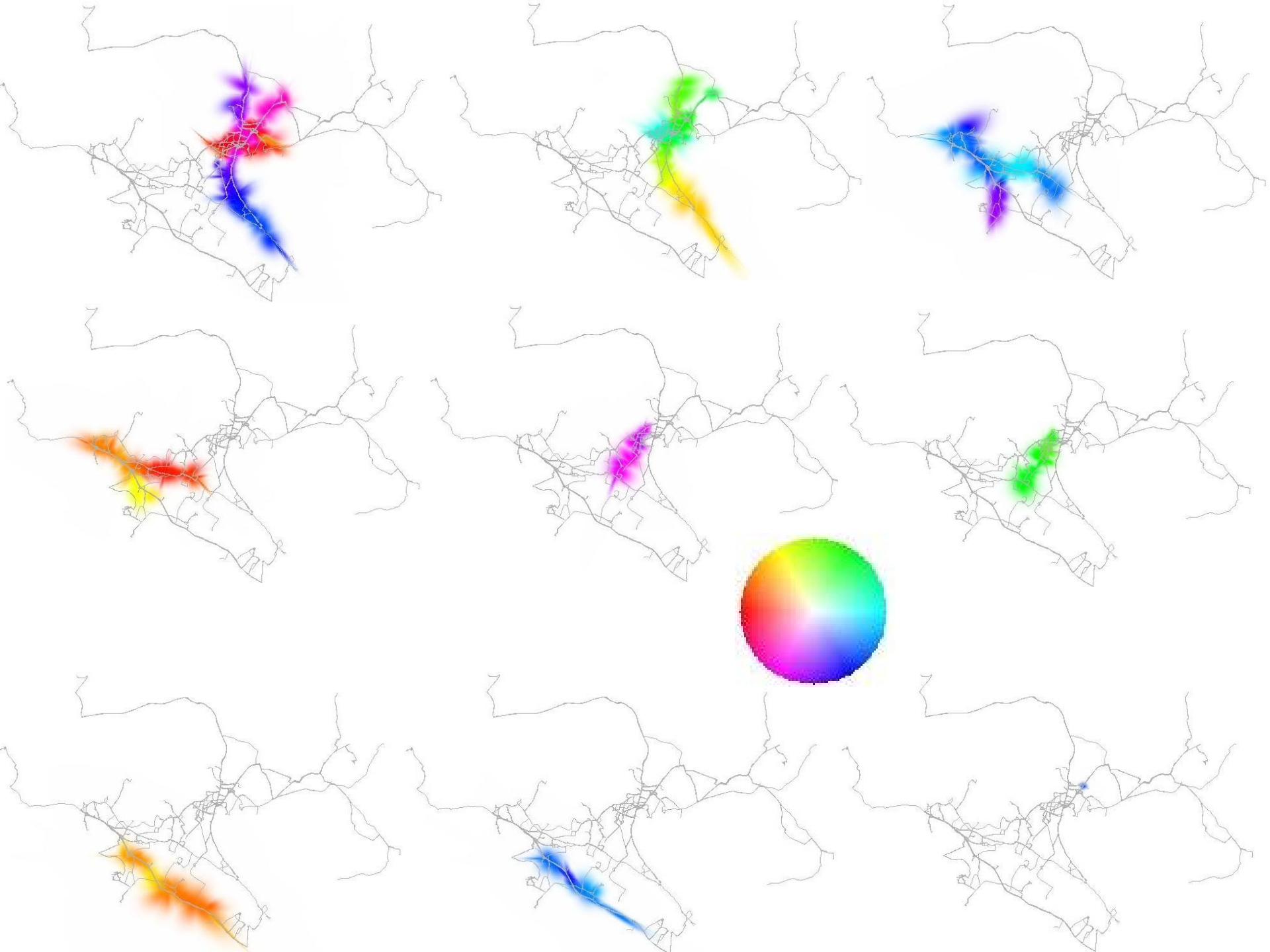
Steve Mussmann

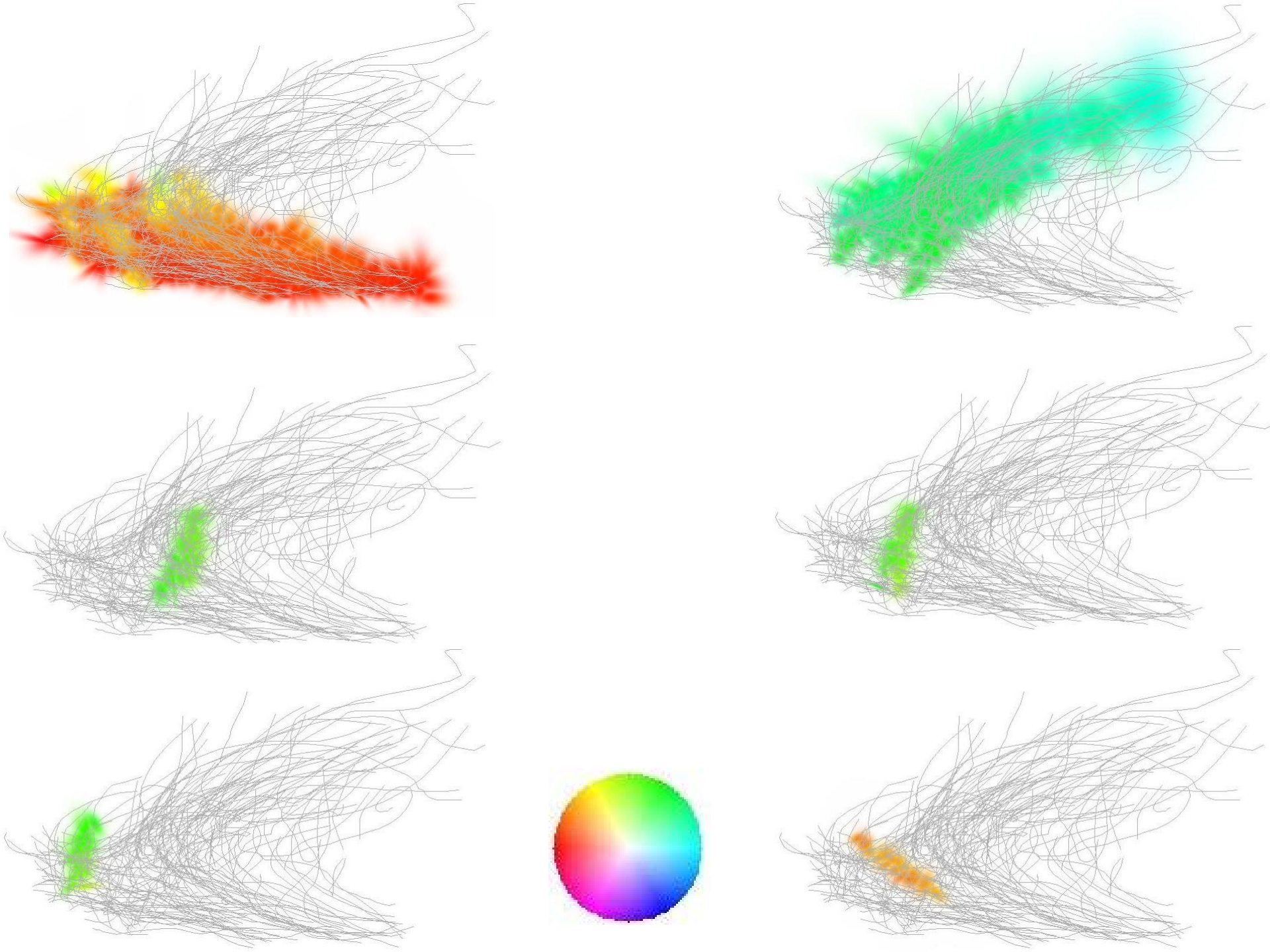
Original Algorithm

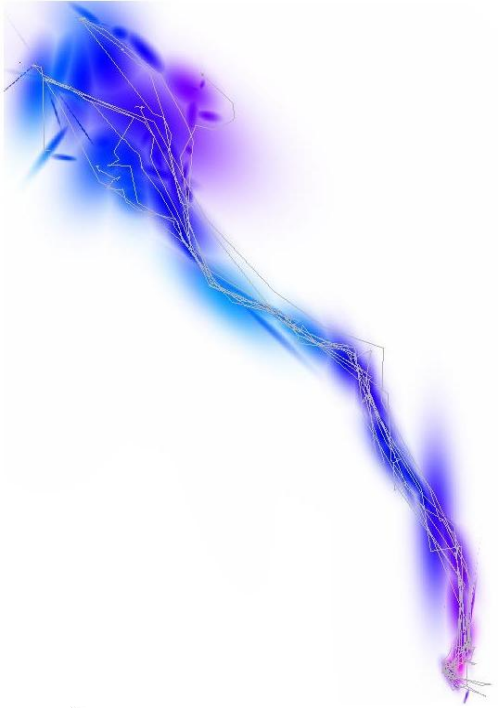
-Algorithm was applied to seven datasets

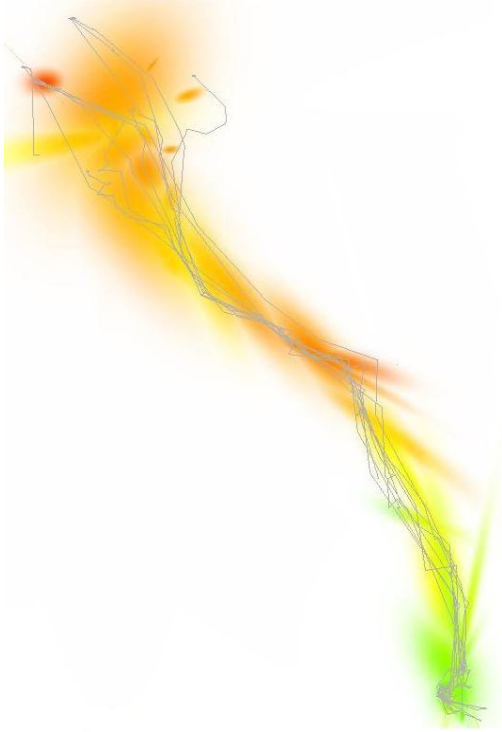
-Visualization with orientation color-coded Gaussians

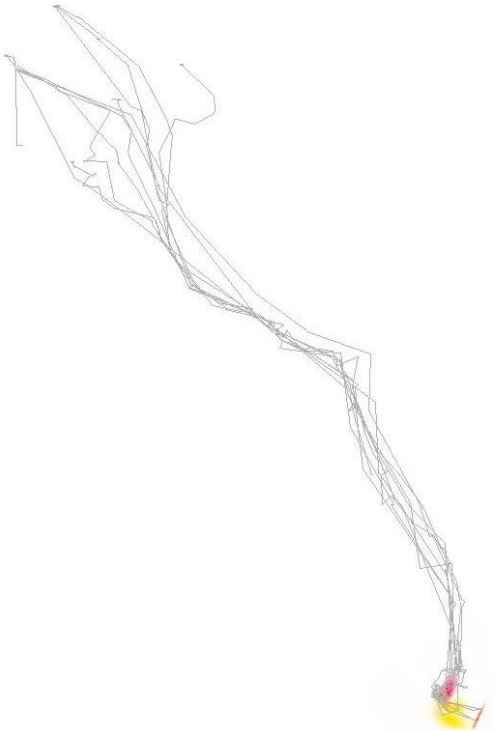








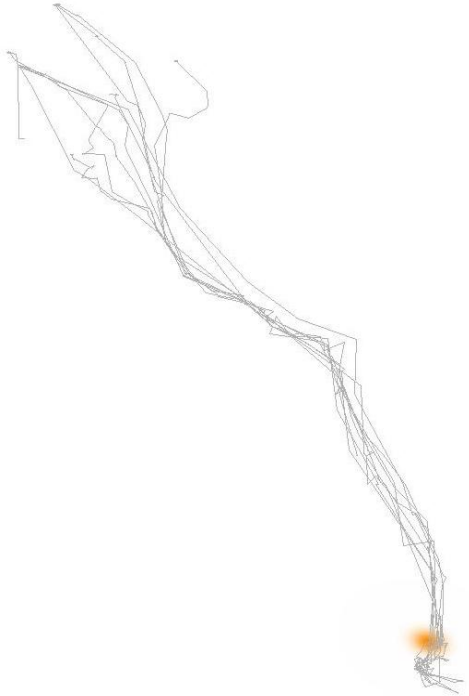


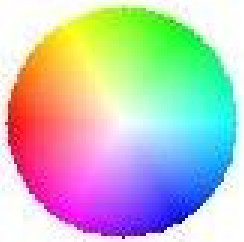


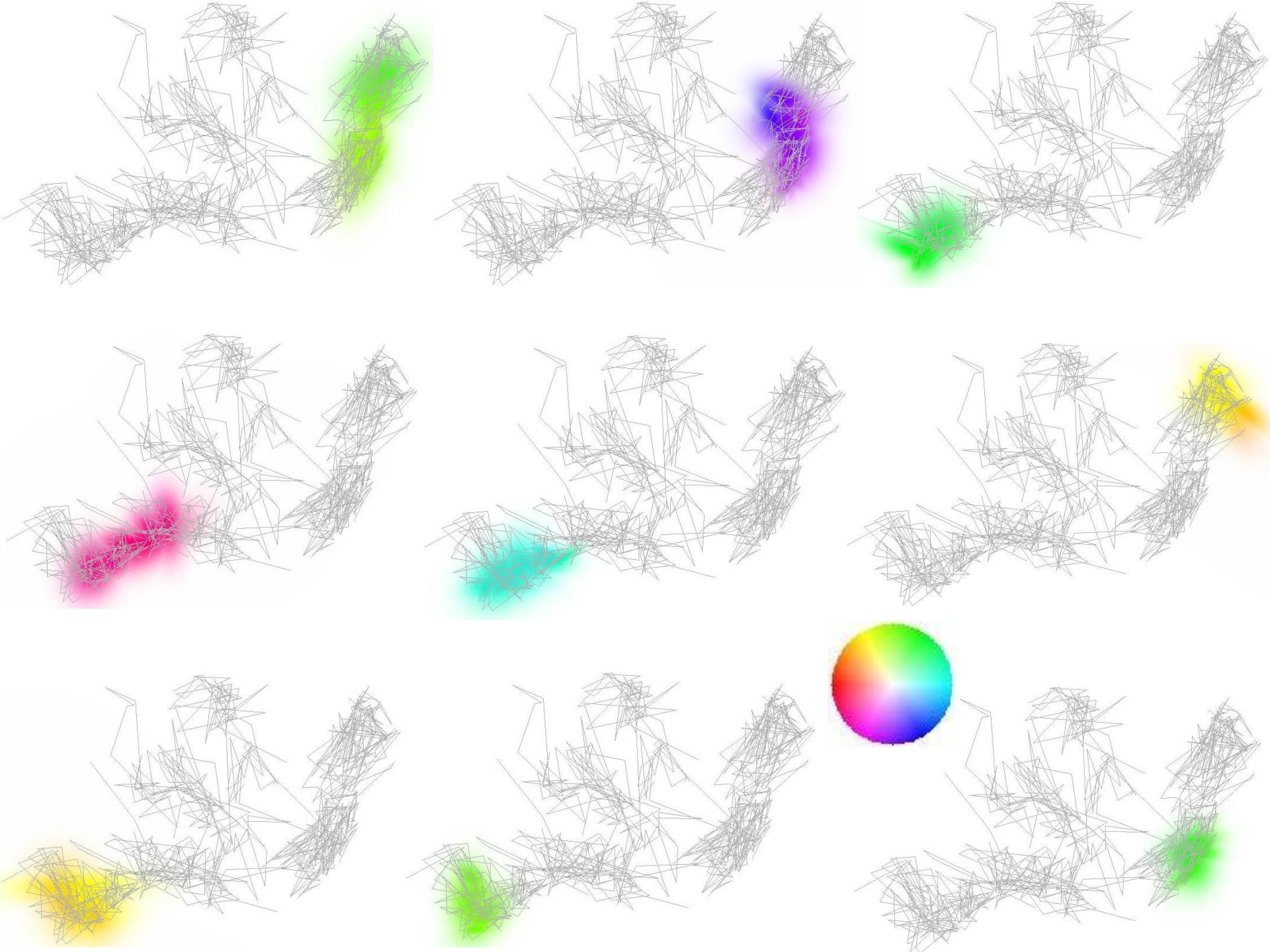


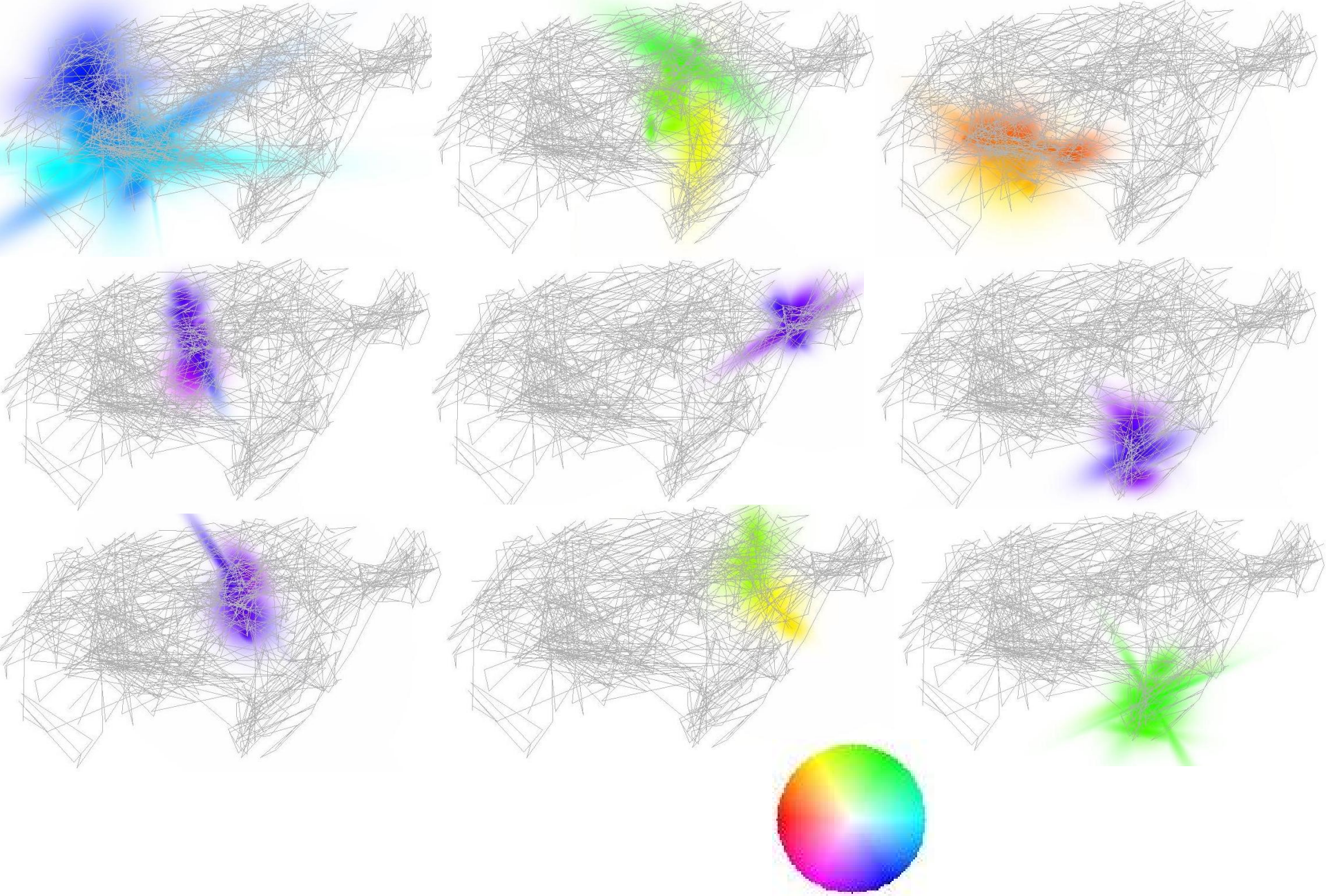


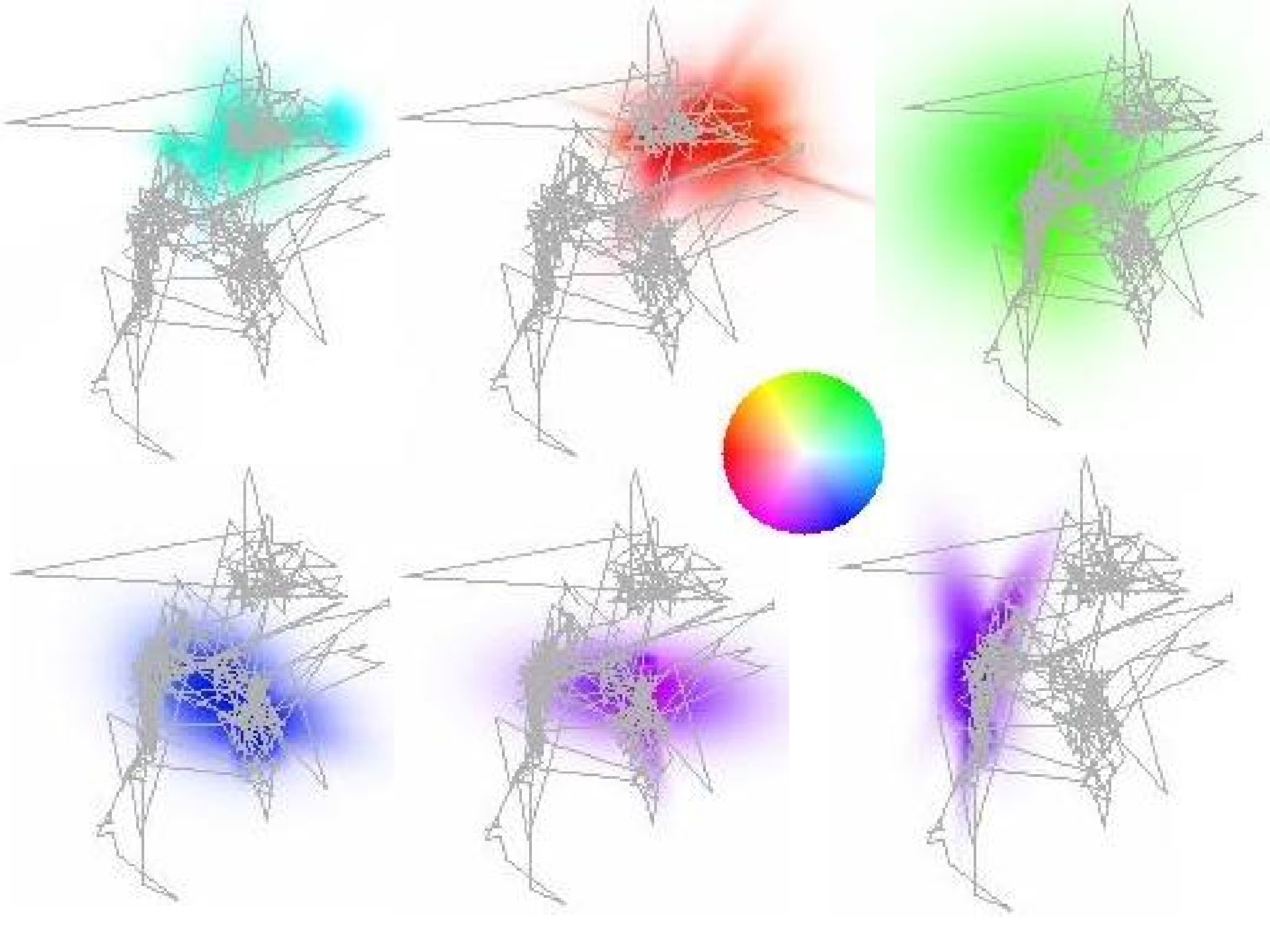










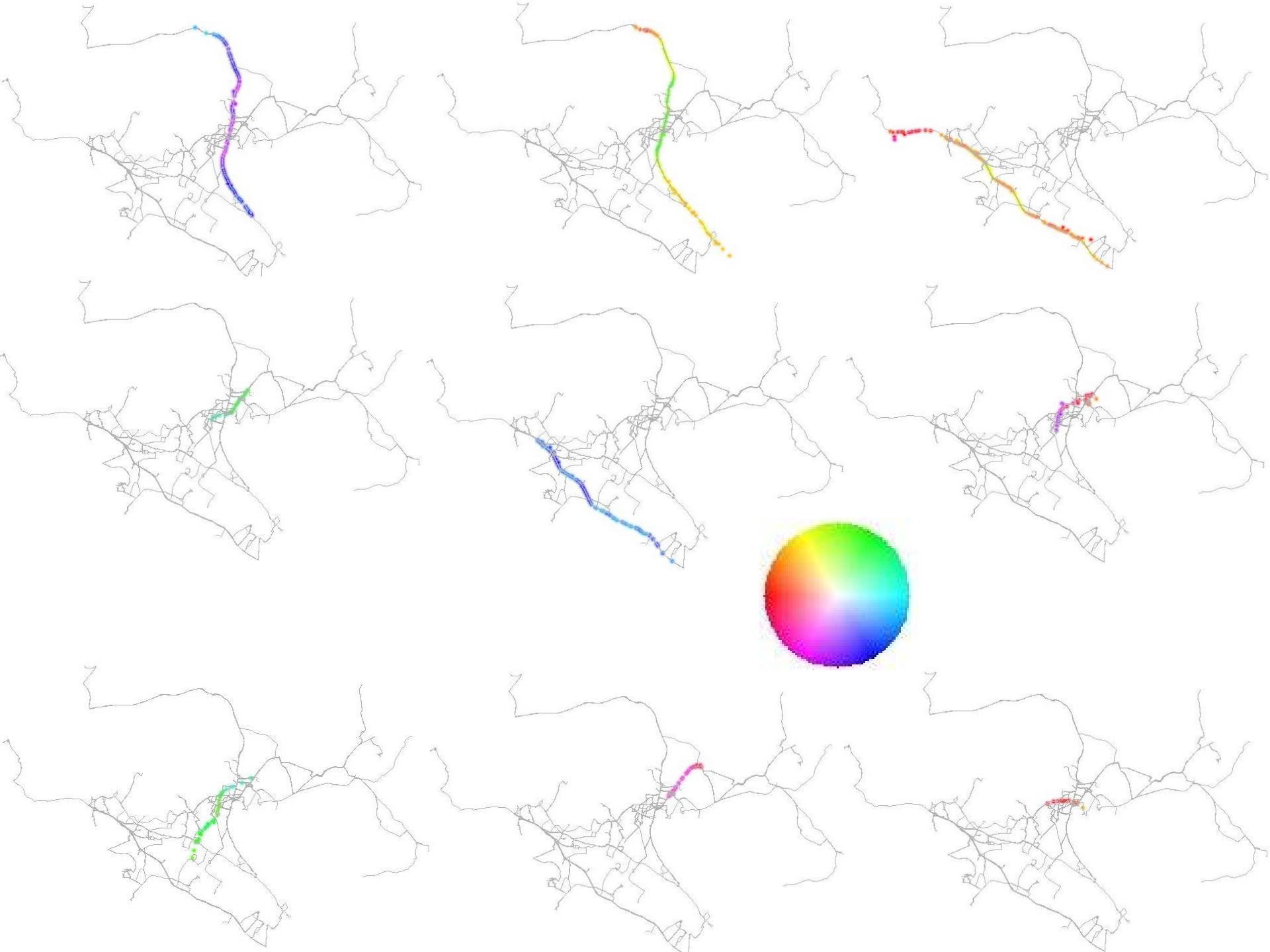


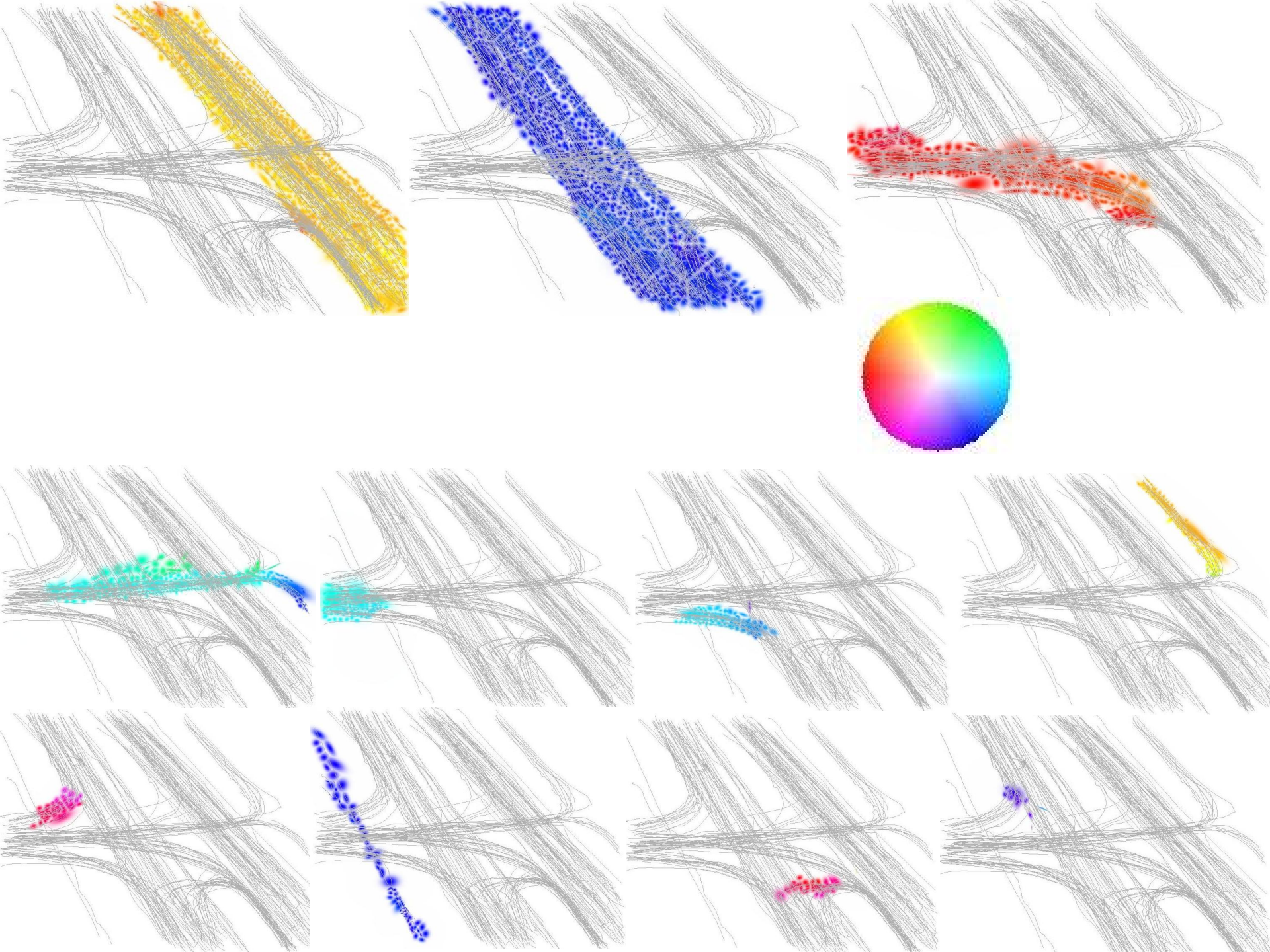
Difficulties with current algorithm

-Merging and diverging
-Localizing data points
-Following curves
-Cluster visualization

Implemented Solutions

-Path similarity for connecting clusters
-Spatial pre-clustering for clips





Interpretability and Meaningfulness

-Classification and accuracy
-Components vs full trajectories
-Prediction vs summary