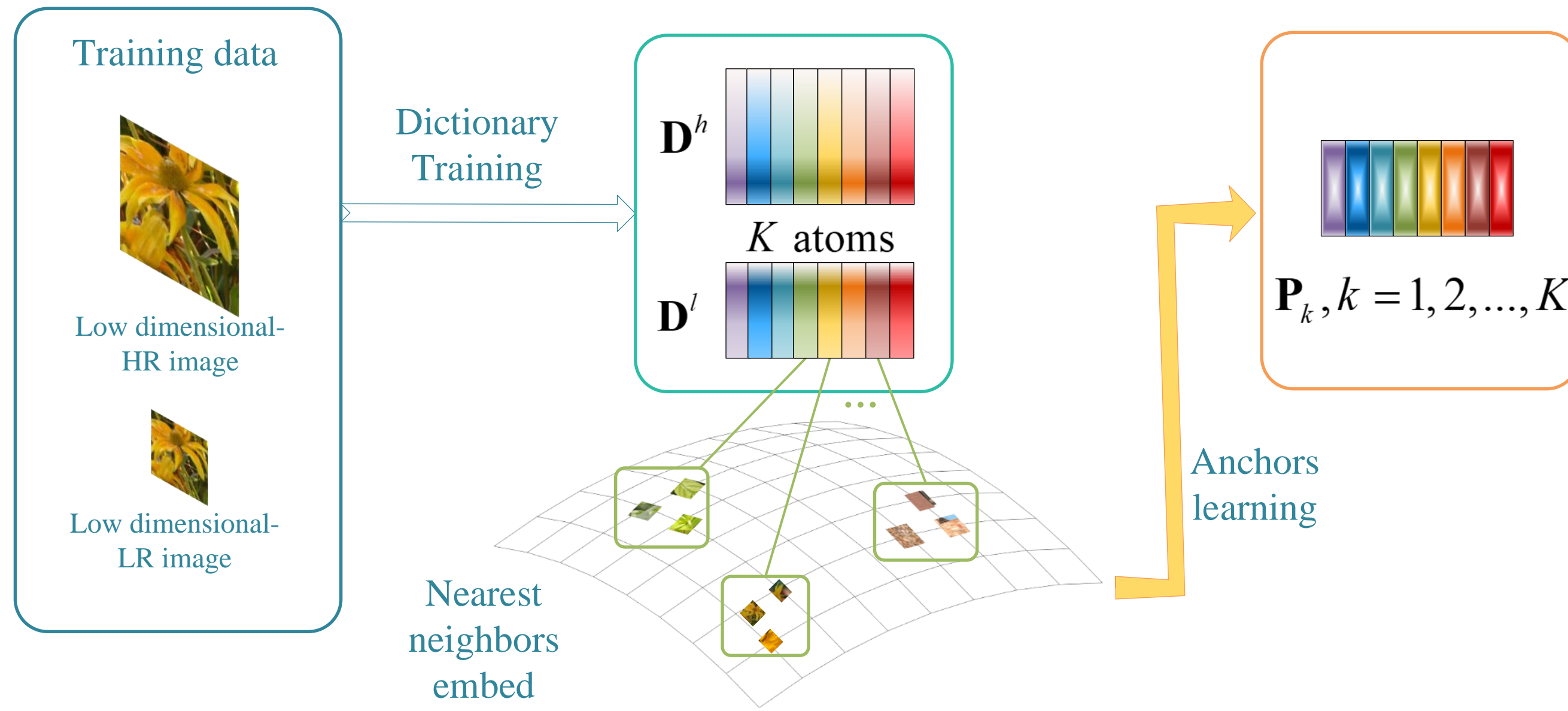


## Dictionary mapping



## Test stage

LR-HSI



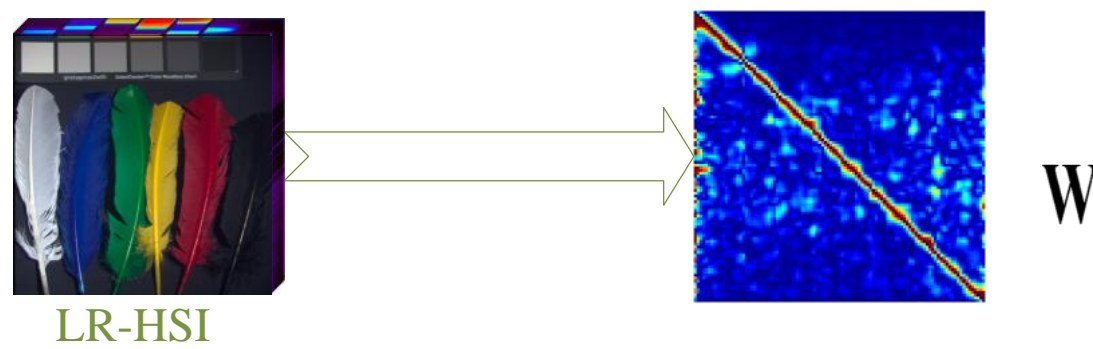
optimization



HR-HSI

$$\arg \min_{\mathbf{X}} \|\mathbf{Y} - \mathbf{B}\mathbf{X}\|_F^2 + \lambda_1 \|\mathbf{X} - \mathbf{X}\mathbf{W}\|_F^2 + \eta \|\mathbf{X} - \mathbf{X}_{EX}\|_F^2 + \lambda_2 \|\mathbf{X} - \mathbf{X}_{NL}\|_F^2$$

Spectral correlation matrix



Similarity relationship

