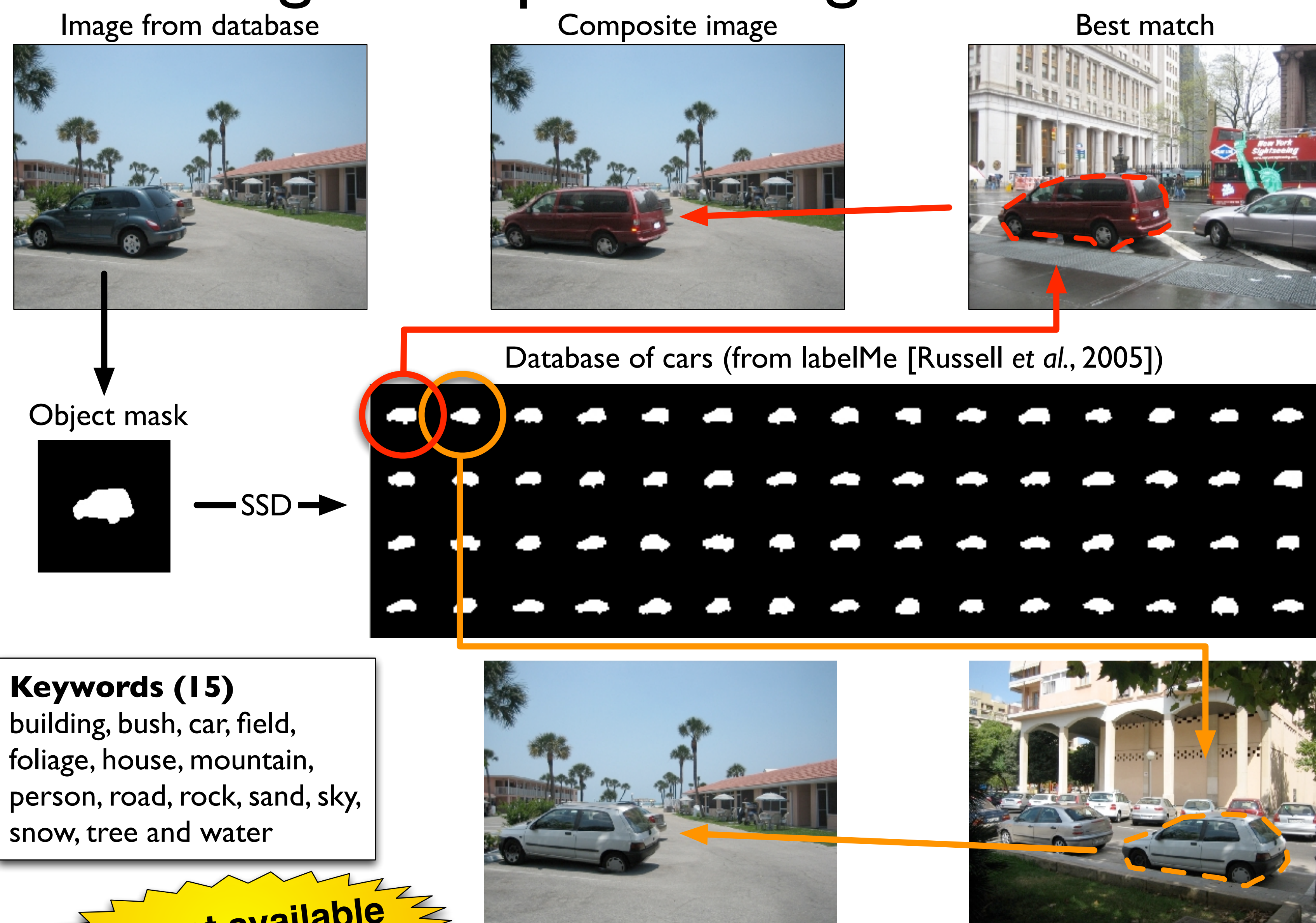


Which images are real?



Generating a composite image dataset



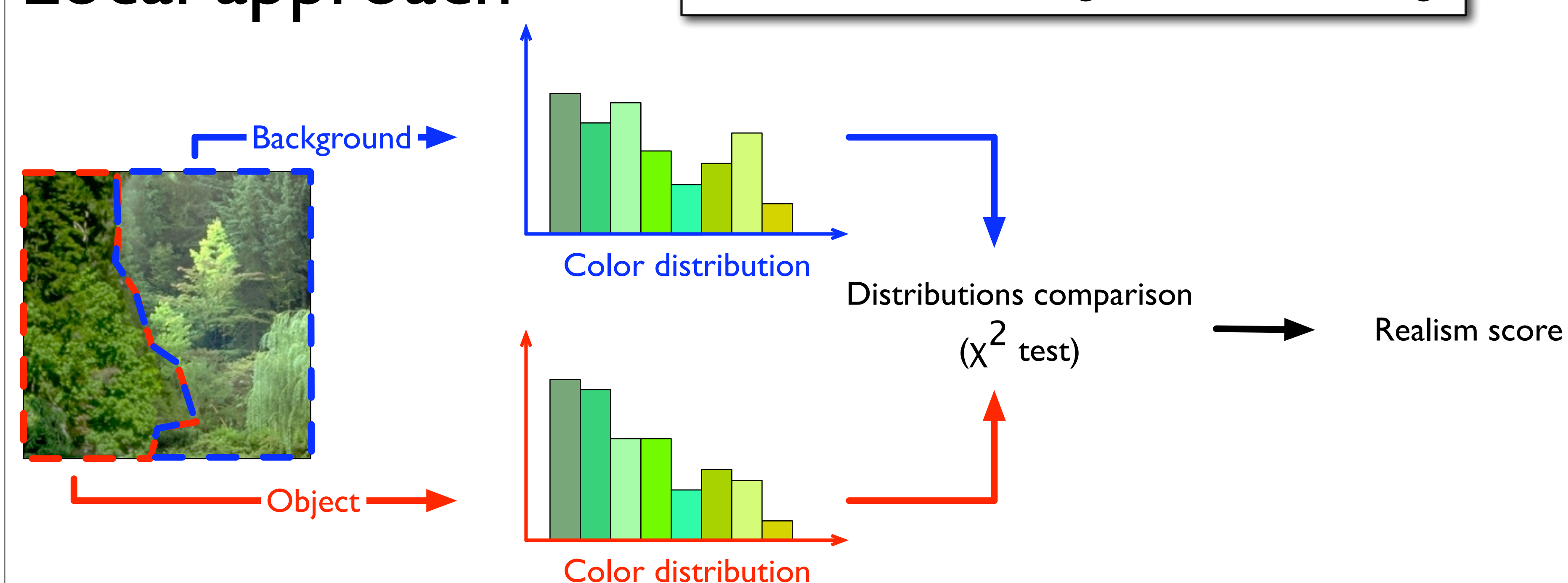
Dataset available online!

Dataset: 720 labeled images into 3 groups



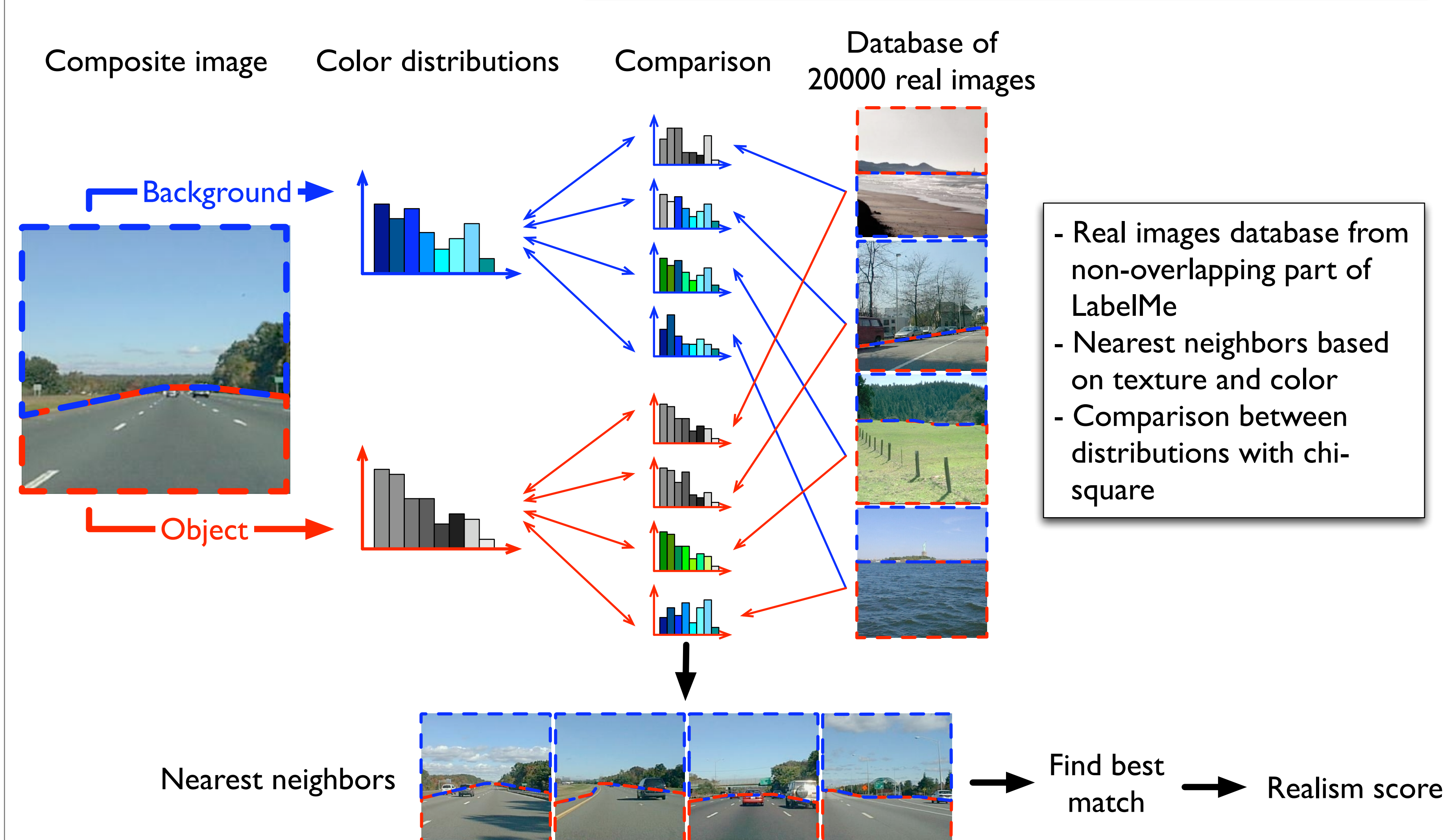
Local approach

Idea: colors should agree within the image



Global approach

Idea: colors should agree with images we have already seen



Evaluation

Combining the 2 approaches

Global score > threshold?

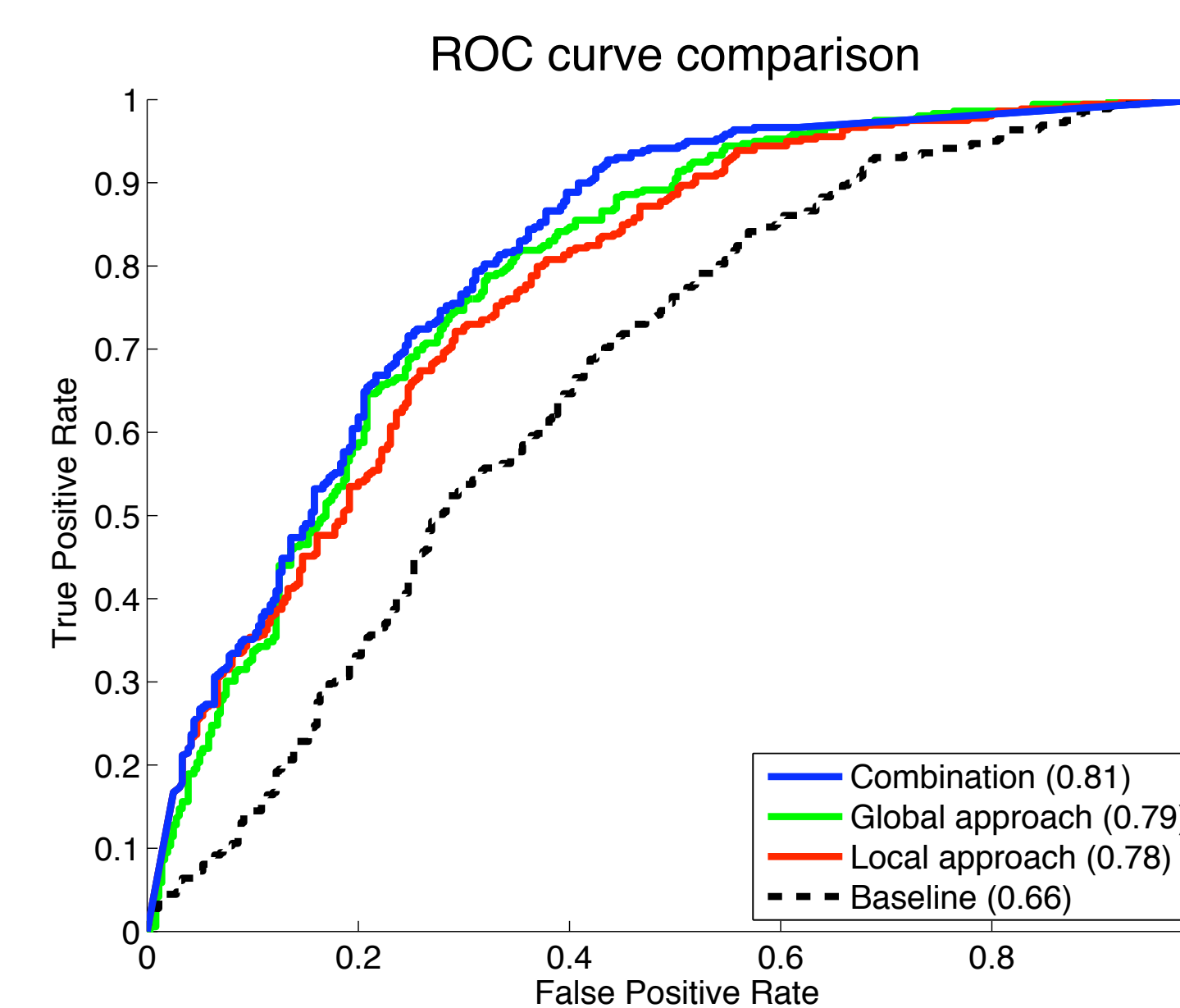
yes

no

Use global score

Use local score

- Baseline inspired by [Reinhard et al., 2004]
- Combination threshold determined by cross-validation



Example classification results

Legend (ground truth)

Unrealistic, synthetic

Realistic, synthetic

Real photograph



Application to image recoloring

