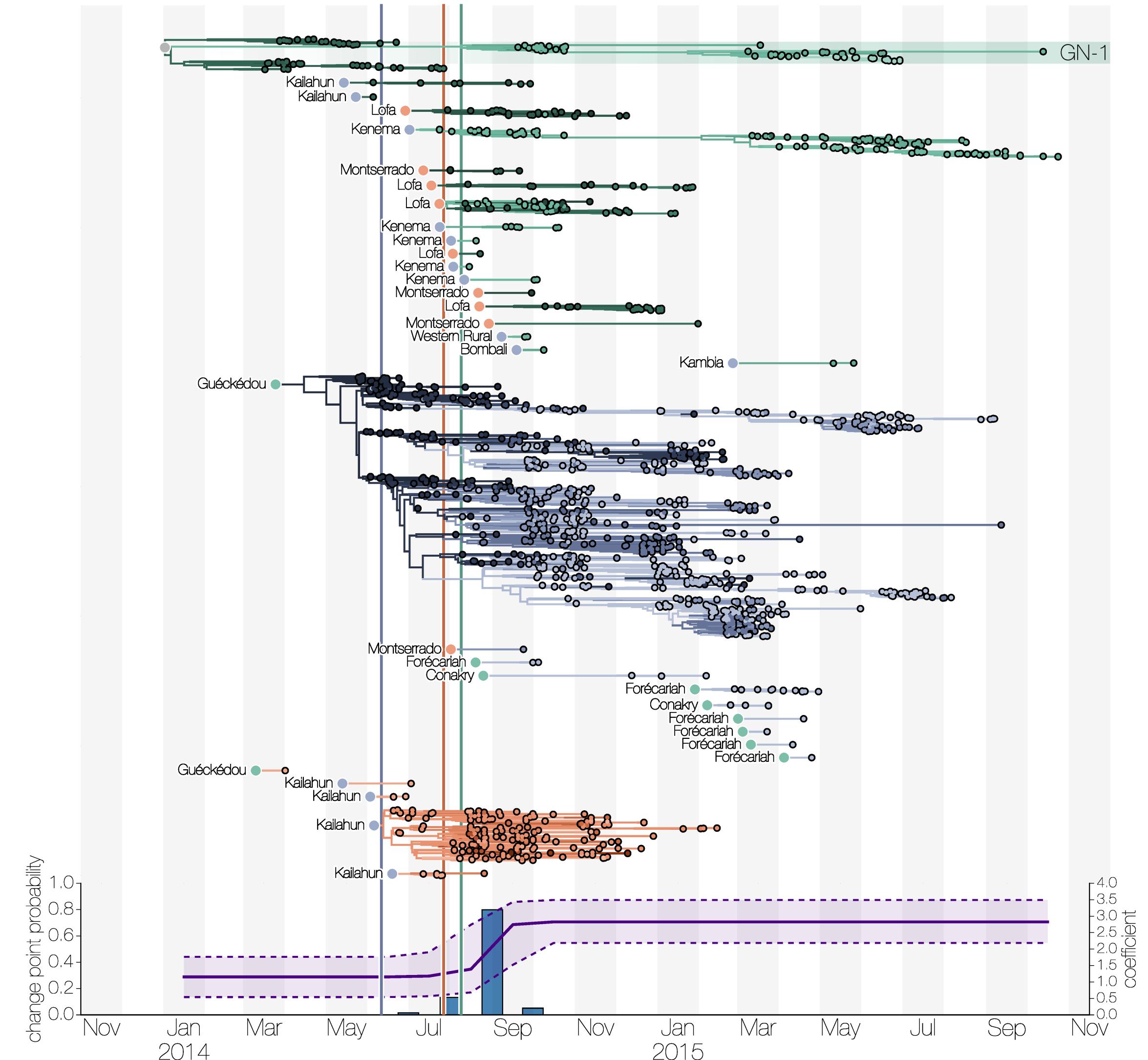
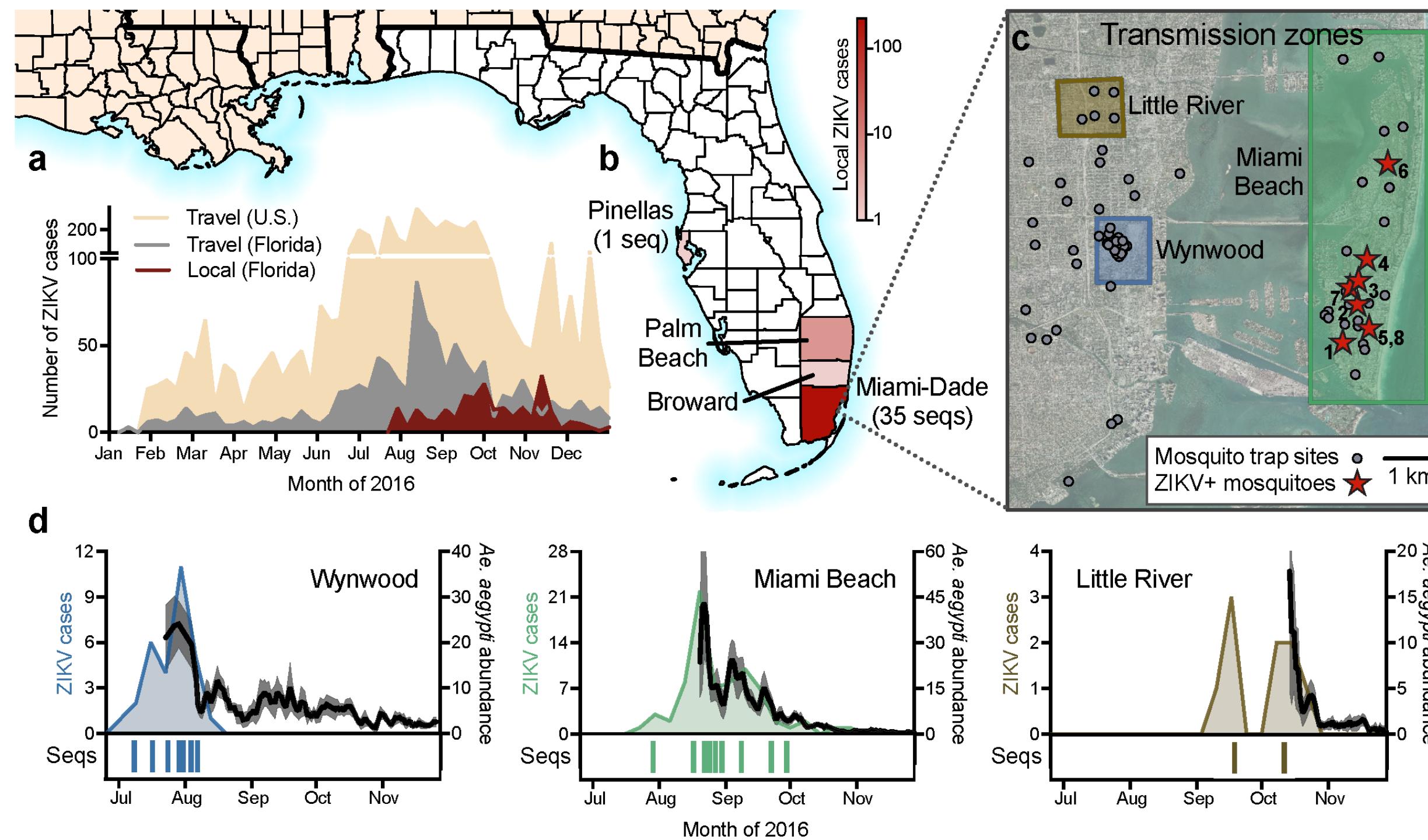


Graphical Concepts

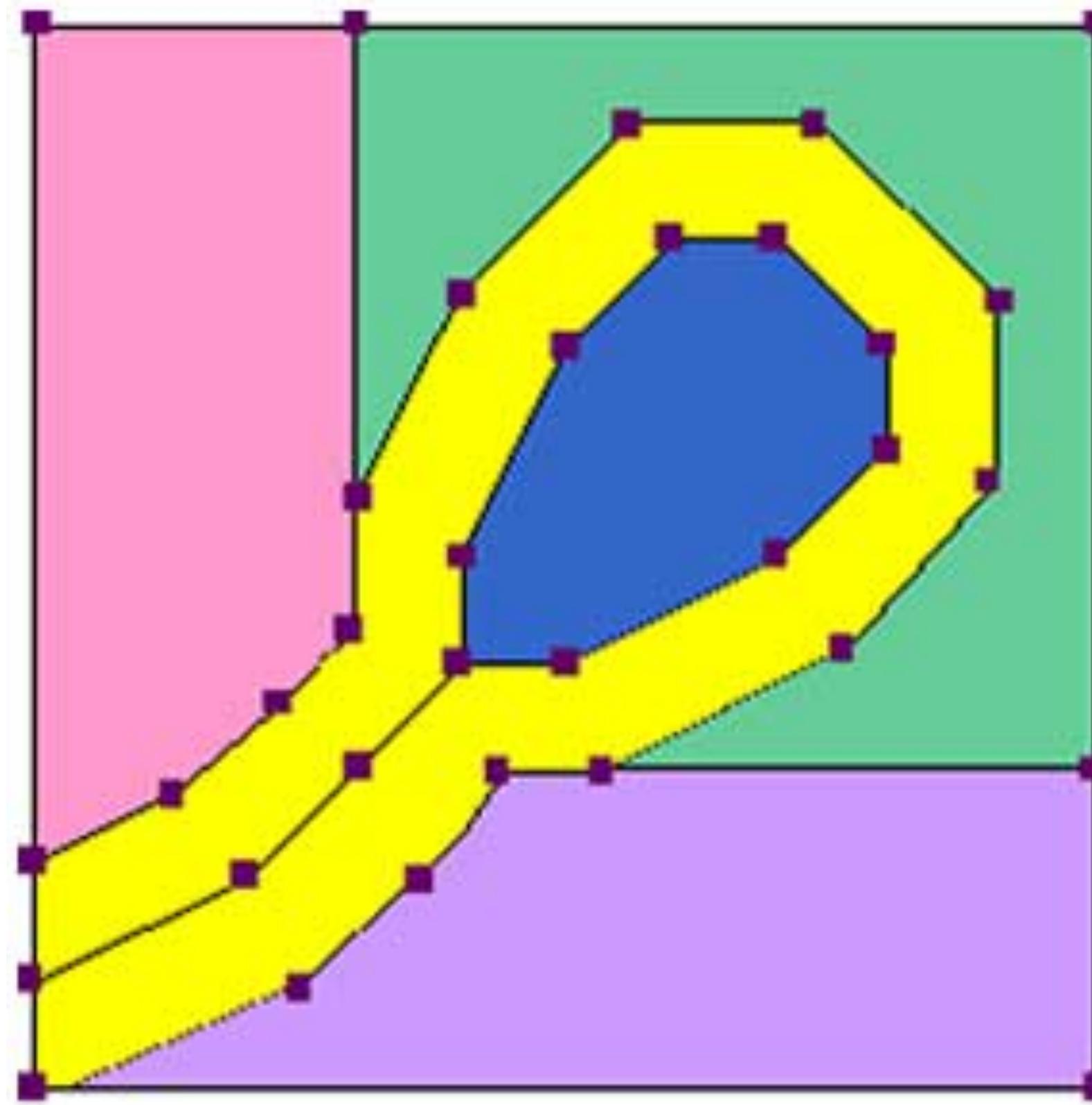
Fall 2018
PCfB Class 8
October 19, 2018



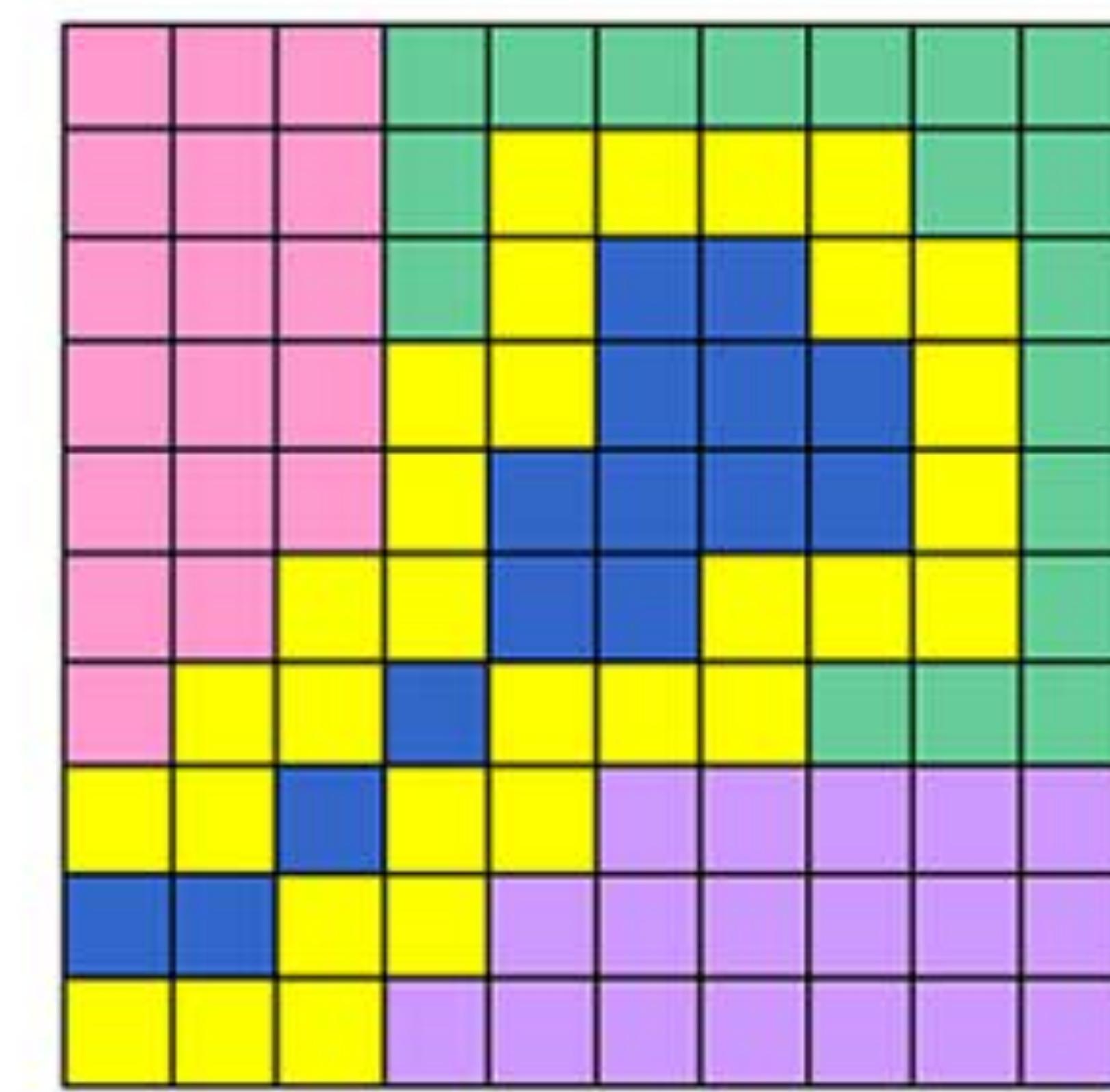
Objectives

- Overview of graphical concepts
- Exposure to editing programs

Types of digital images



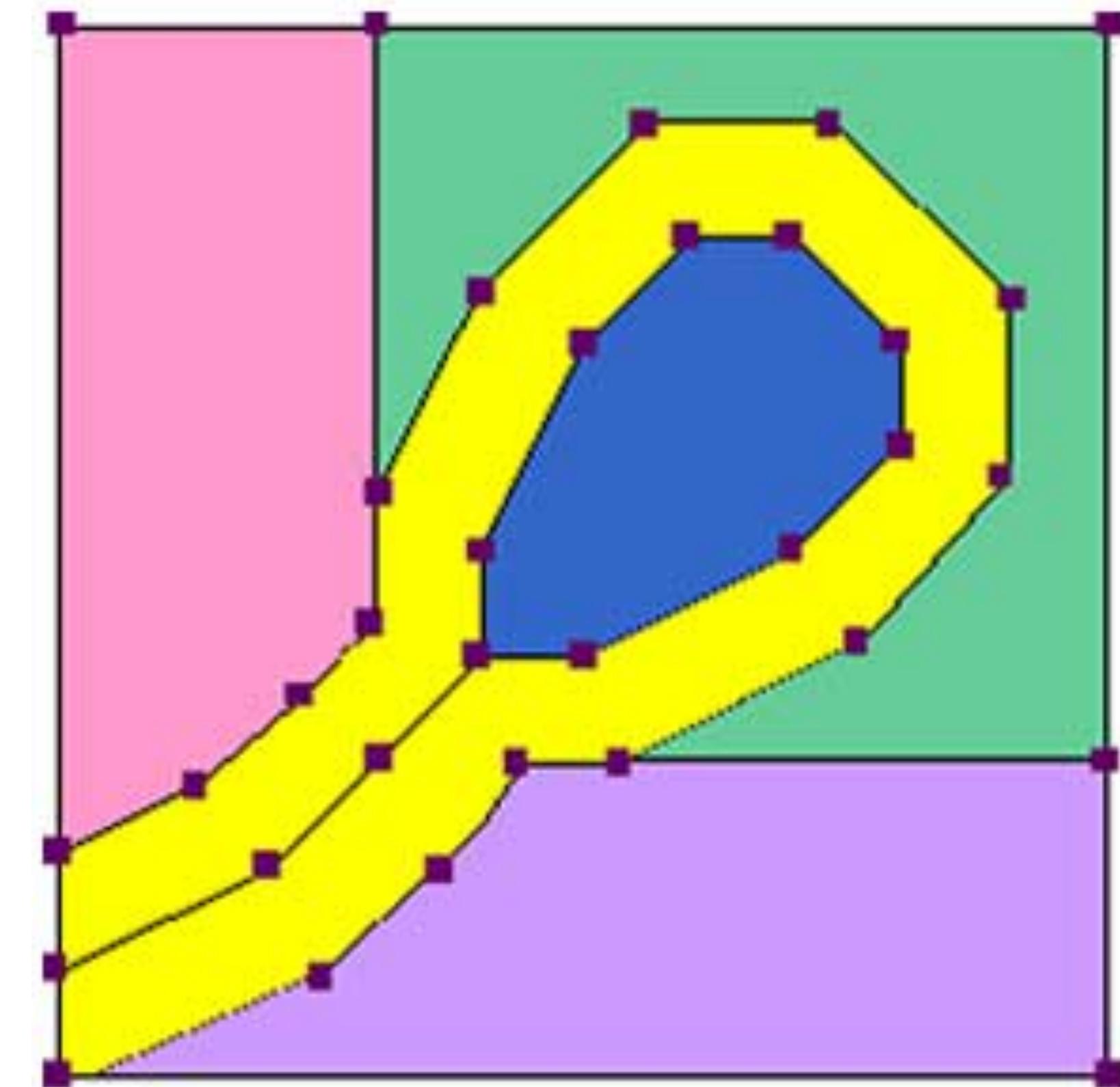
vector-based



pixel-based

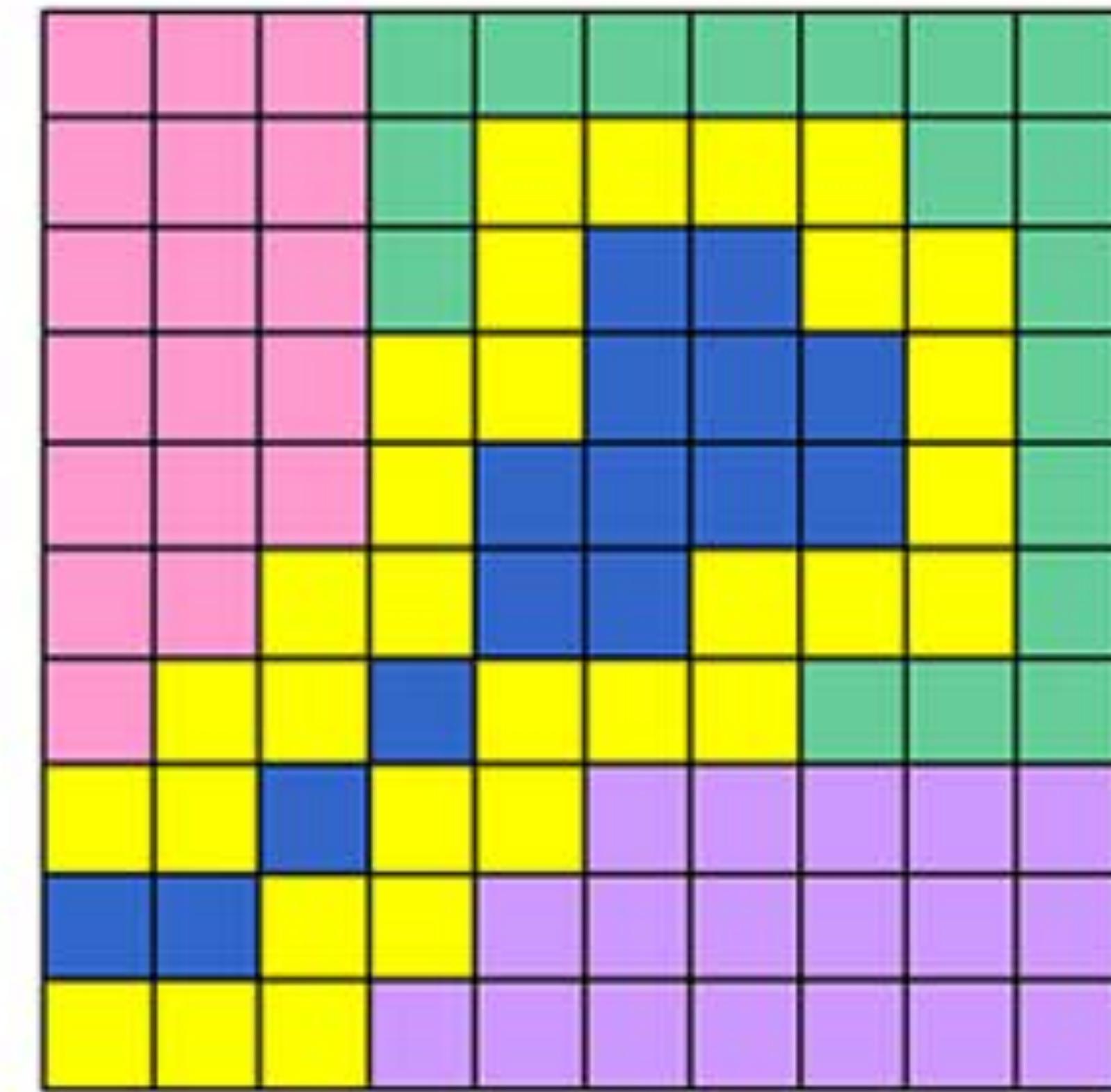
Vector-based images

- Composed of independent shapes
- Each shape editable as a unit

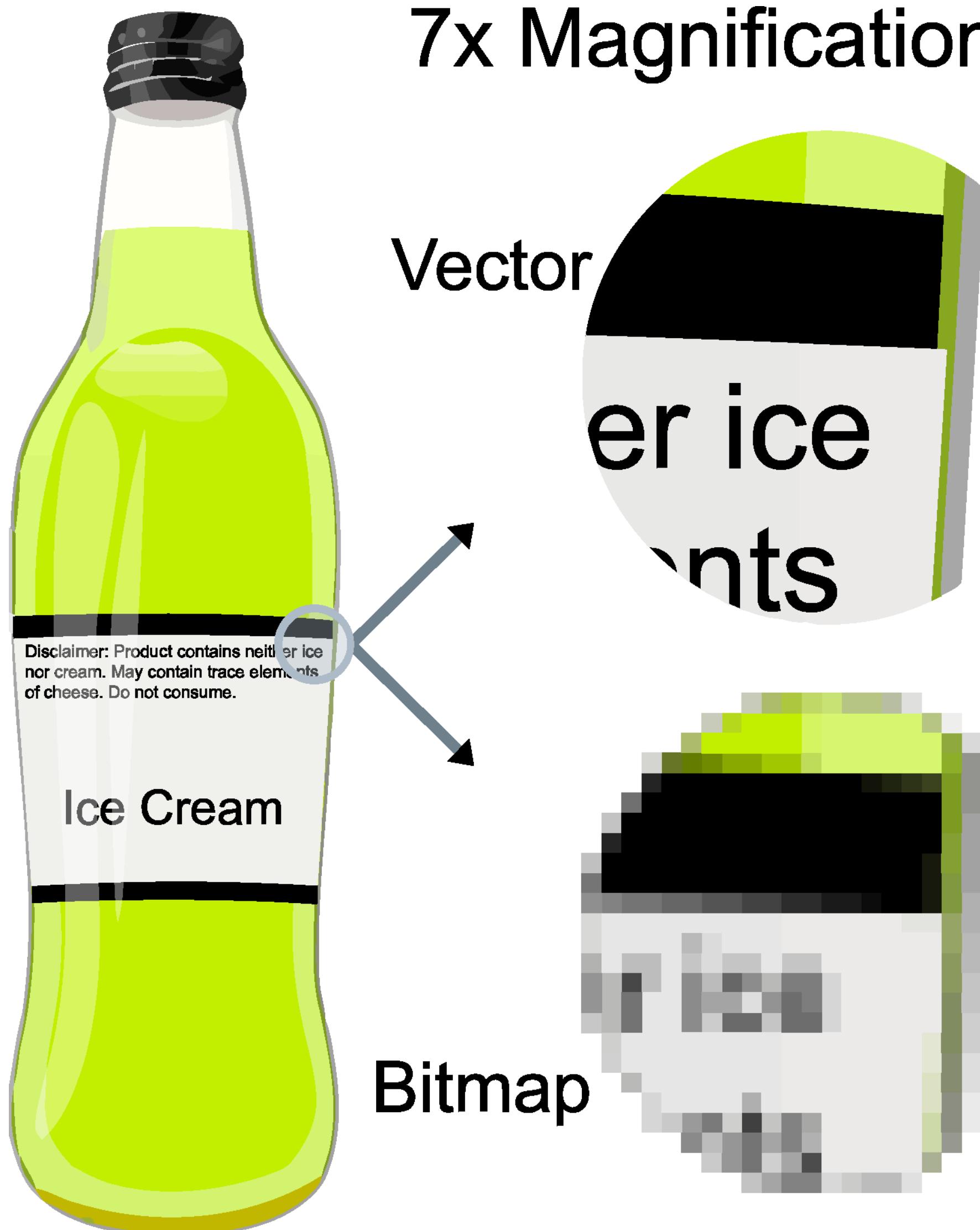


Pixel-based images (raster)

- Composed of squares of different colors
- Only editable by changing the colors of individual squares

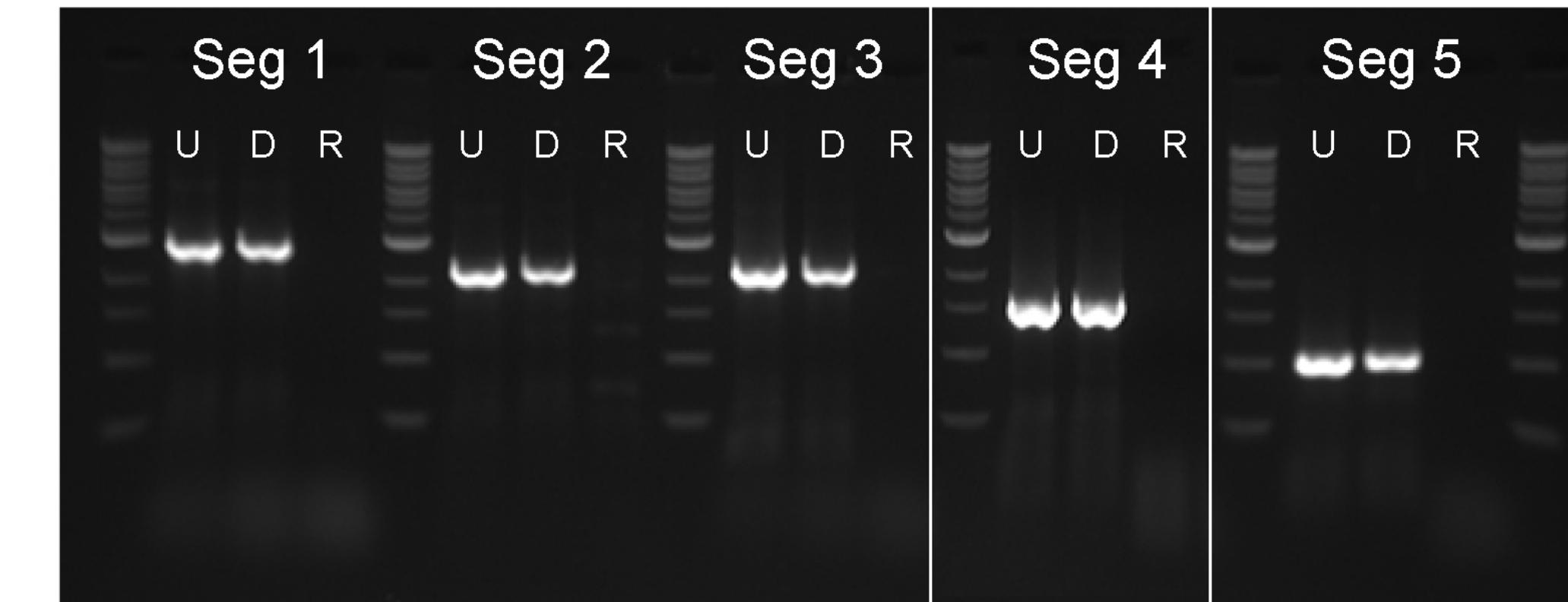
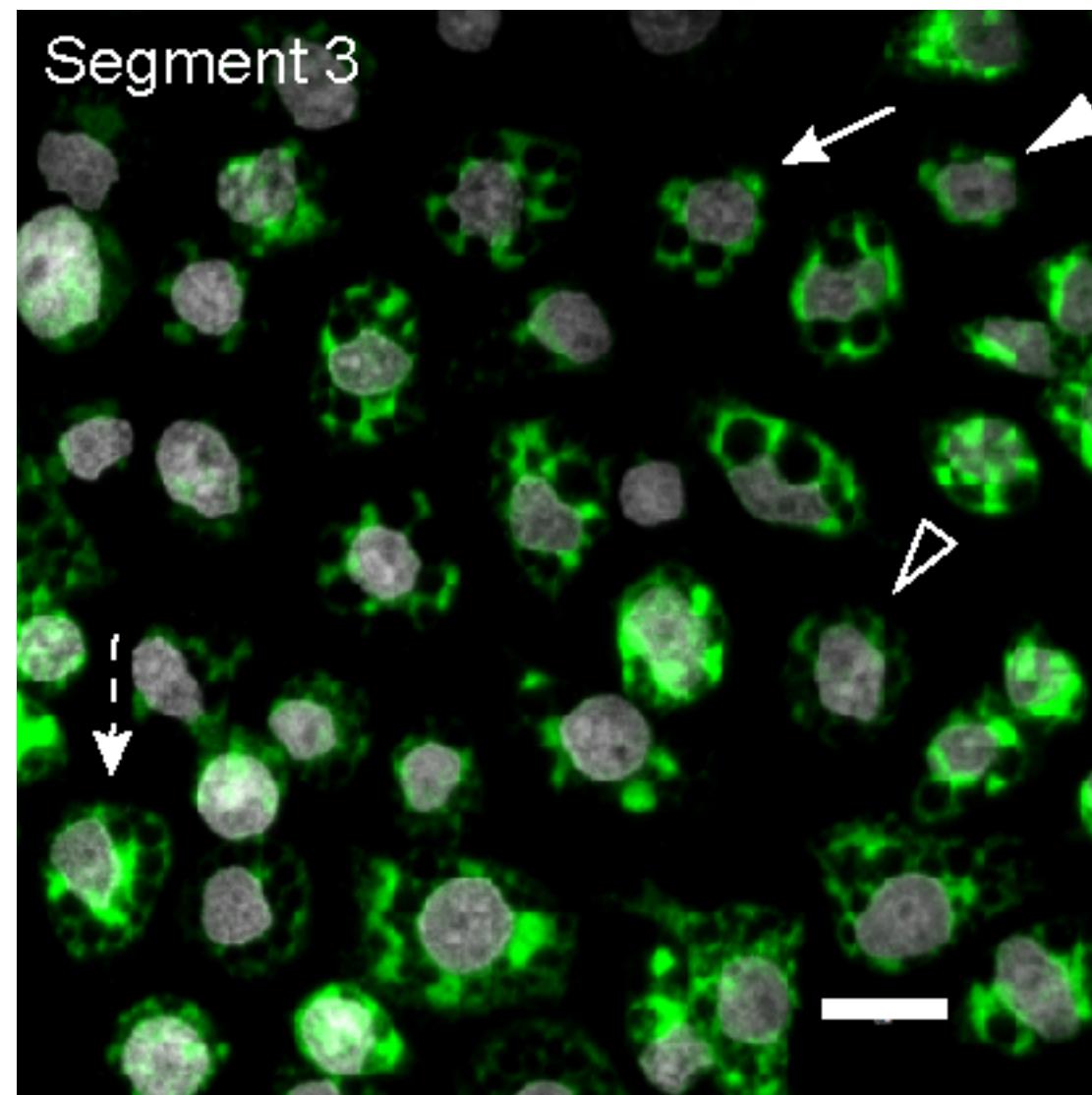


Use vectors whenever possible!

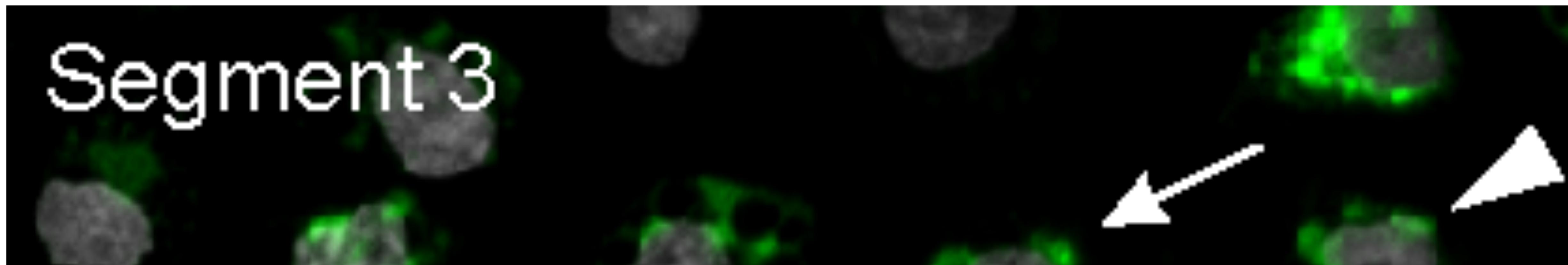


- Maintain clarity at any size
- Easy to edit
- Can always convert to pixels
- Searchable

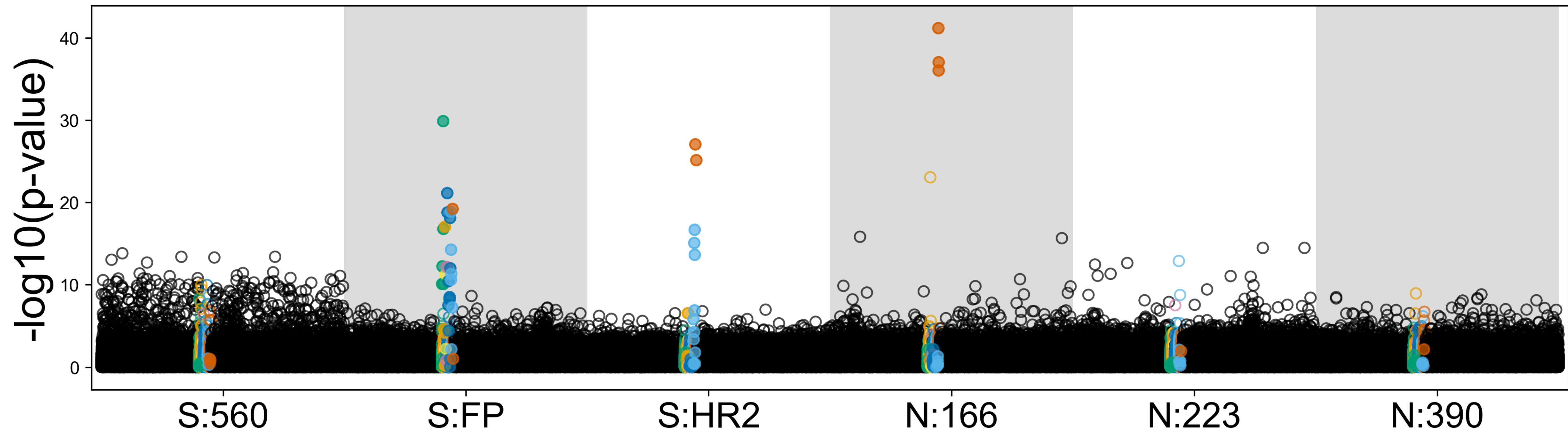
One exception = photographs



One exception = photographs



2nd exception = complex figures



How to generate vector images

- Draw images from scratch
- Trace a photograph
- Export from most programs

Know your file formats!

TIFF

PDF

AI

PNG

PSD

PS

EPS

SVG

GIF

BMP

JPEG

JPG

Working with vectors



Adobe Illustrator



Inkscape

Working with pixels



Adobe Photoshop



GIMP

Objective

Familiarize yourself with both
vector-based and pixel-based
graphics editing programs