

# Smart Droplets Academy

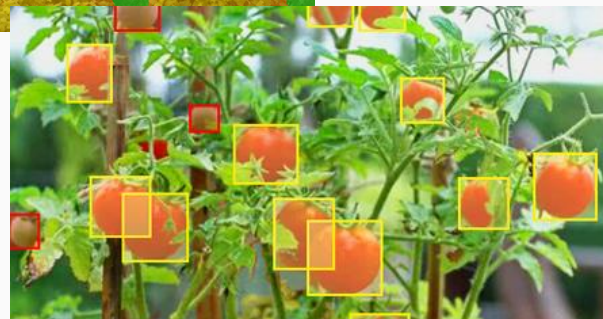
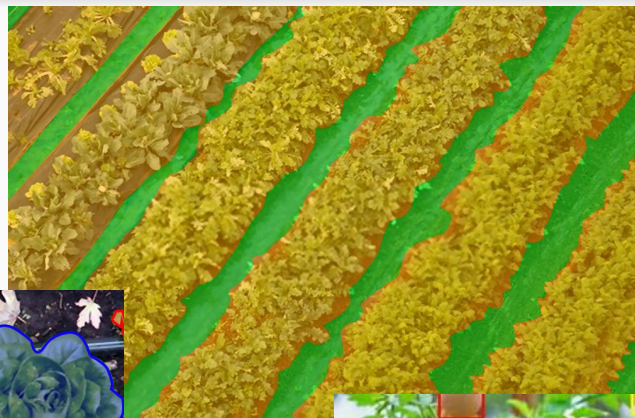
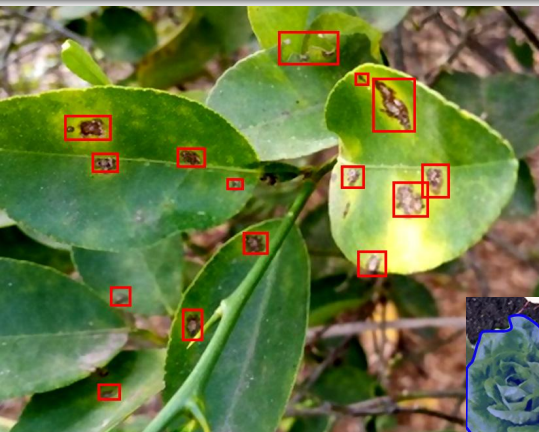
## *Annotation Strategies & Techniques*

**Webinar:** *Annotation using* 

The CVAT logo consists of the letters "C", "V", "A", and "T" in a white, sans-serif font, each enclosed within its own orange square. The squares are arranged horizontally and slightly overlap.

# Image Annotation

*Labeling images and tagging relevant information to train AI and ML models*



# Image Annotation

*Labeling images and tagging relevant information to train AI and ML models*

- *Bounding boxes*  
for **object detection** tasks
- *Polygons*  
for **segmentation** tasks

*(e.g. weeds)*





# Image Annotation

*Labeling images and tagging relevant information to train AI and ML models*

- *Mask for **segmentation** tasks*

*(e.g. canopy)*



# Main Principles

- ***Looseness***  
*No background in the bounding boxes*
- ***Consistency***  
*Uniform design for all bounding boxes*
- ***Absence of annotations***  
*Every visible “target” should be annotated*

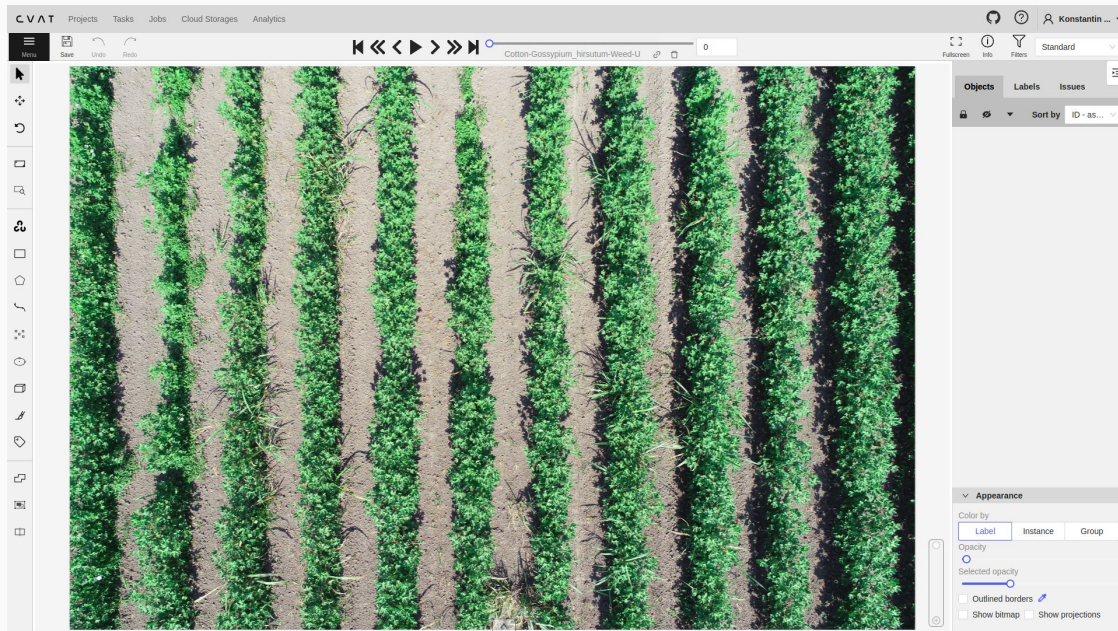




# Computer Vision Annotation Tool (CVAT)

Online image & video annotation tool for computer vision applications

- *Running remotely over an Internet connection - No installation on the user's computer*
- *Work allocation in projects, tasks, jobs - Simultaneous annotation by many users*
- *Export various formats ready for training models (YOLO, COCO, PASCAL VOC)*
- *Ease and speed*
- *Connection with cloud storage*



Thank you for your attention.

Now let's take action!

Computer Vision Annotation Tool