

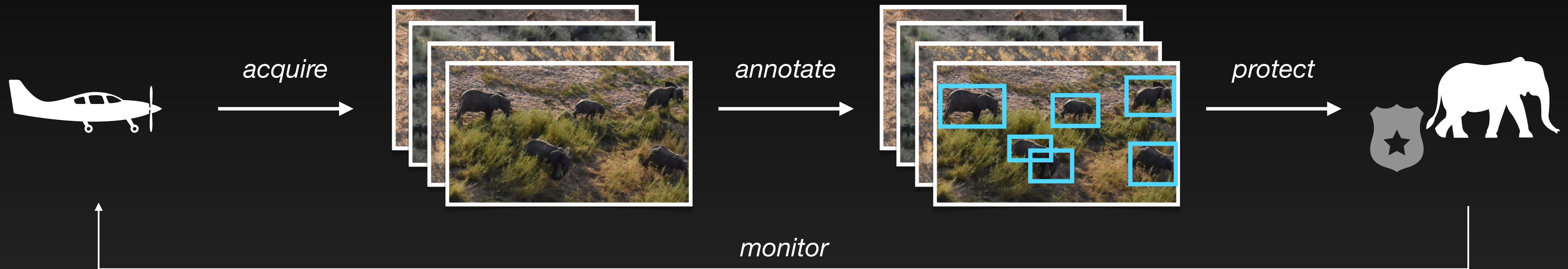
AIDE: interactive image annotation with deep learning

Benjamin Kellenberger^{1*}, Dan Morris², Devis Tuia¹

¹EPFL

²Microsoft

*benjamin.kellenberger@epfl.ch



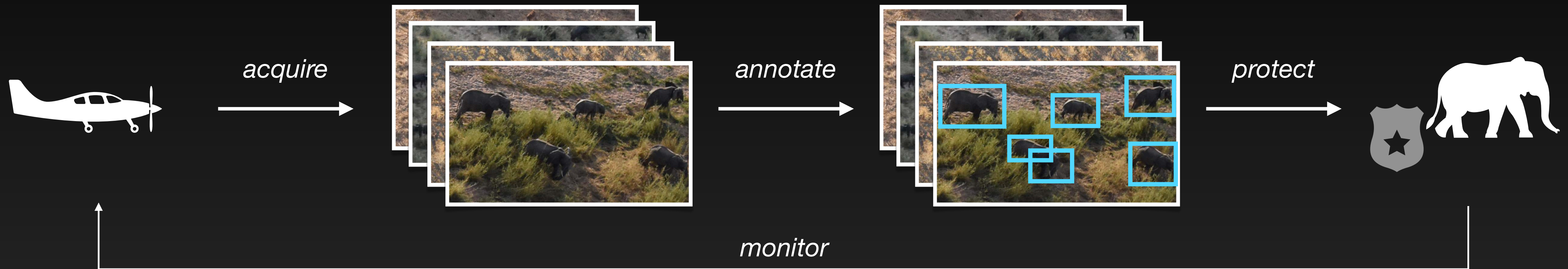
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Machine Learning

- Performance?
- Coding expertise?
- Privacy?

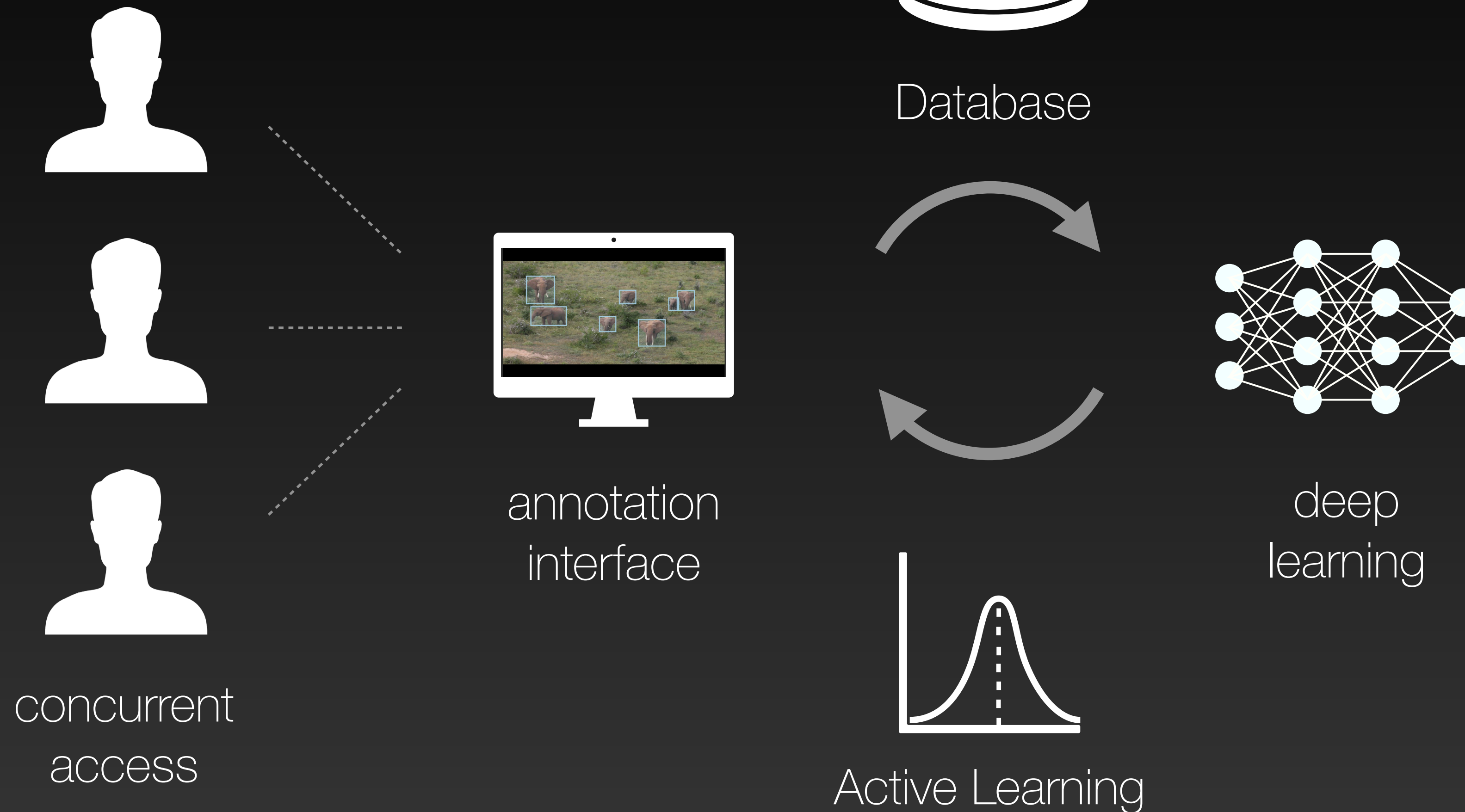
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many models built-in:

ResNet

VGG

Faster R-CNN

RetinaNet

DeepLabV3+

...

add your own, too

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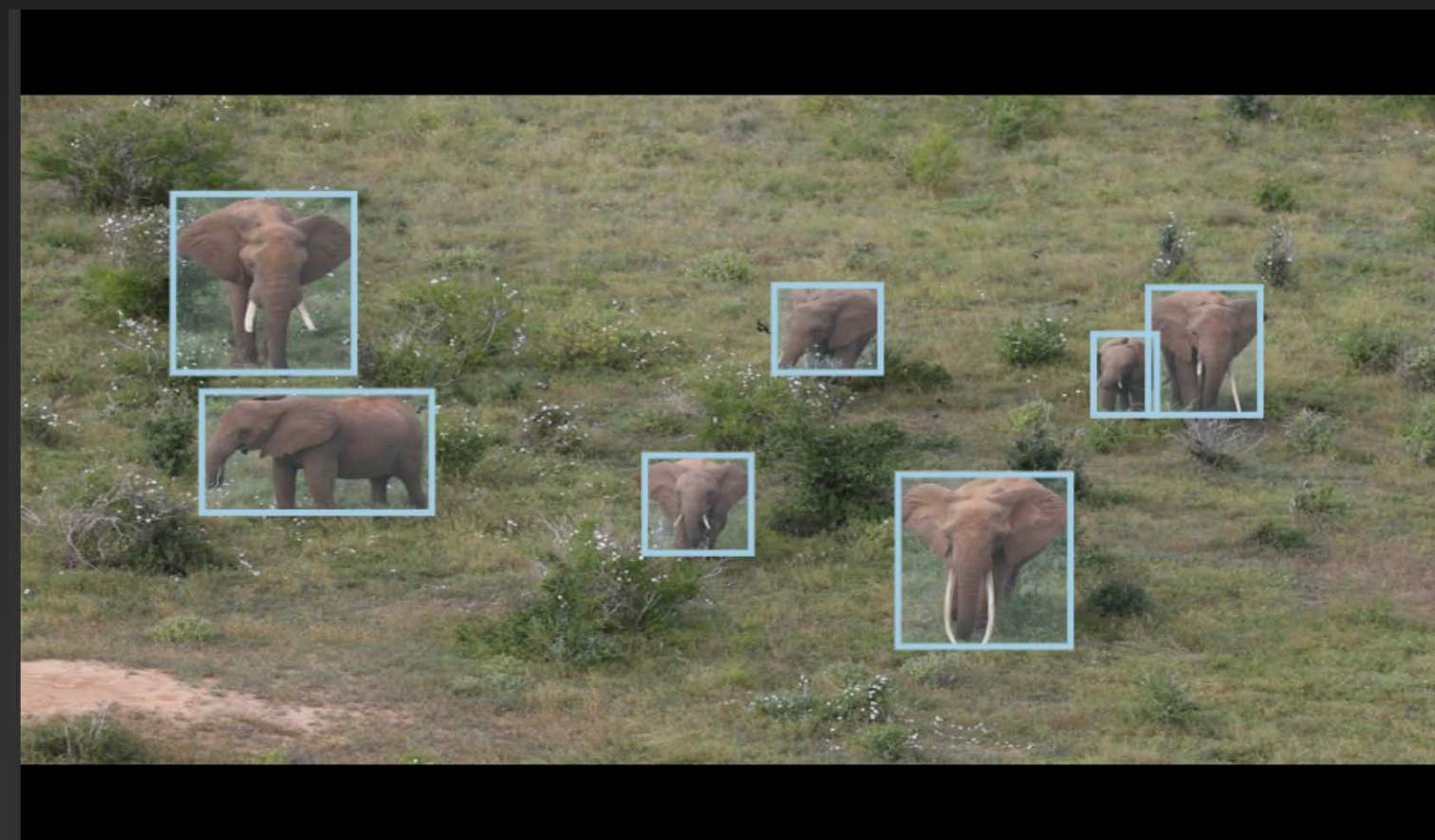
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Labels



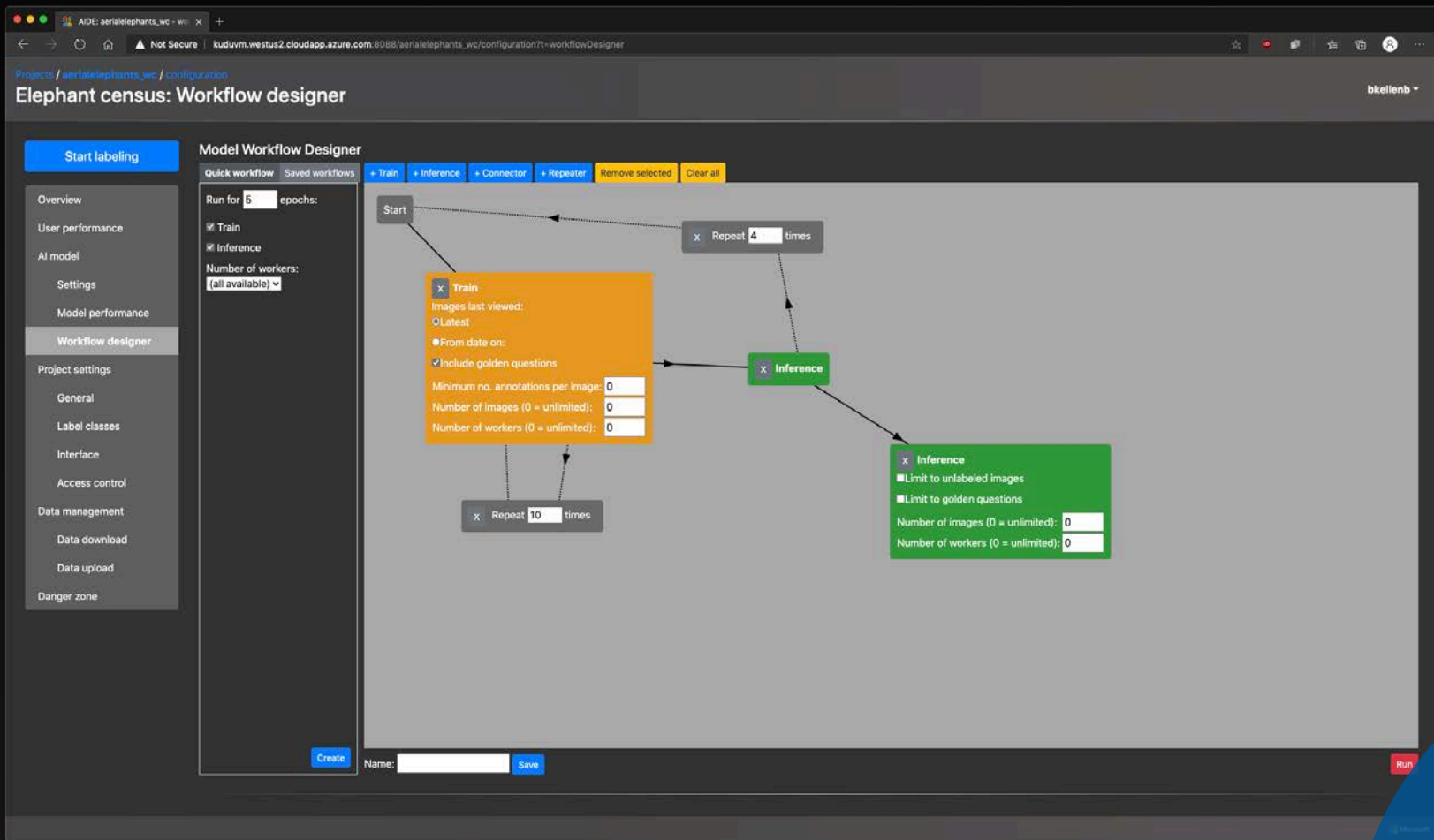
Points



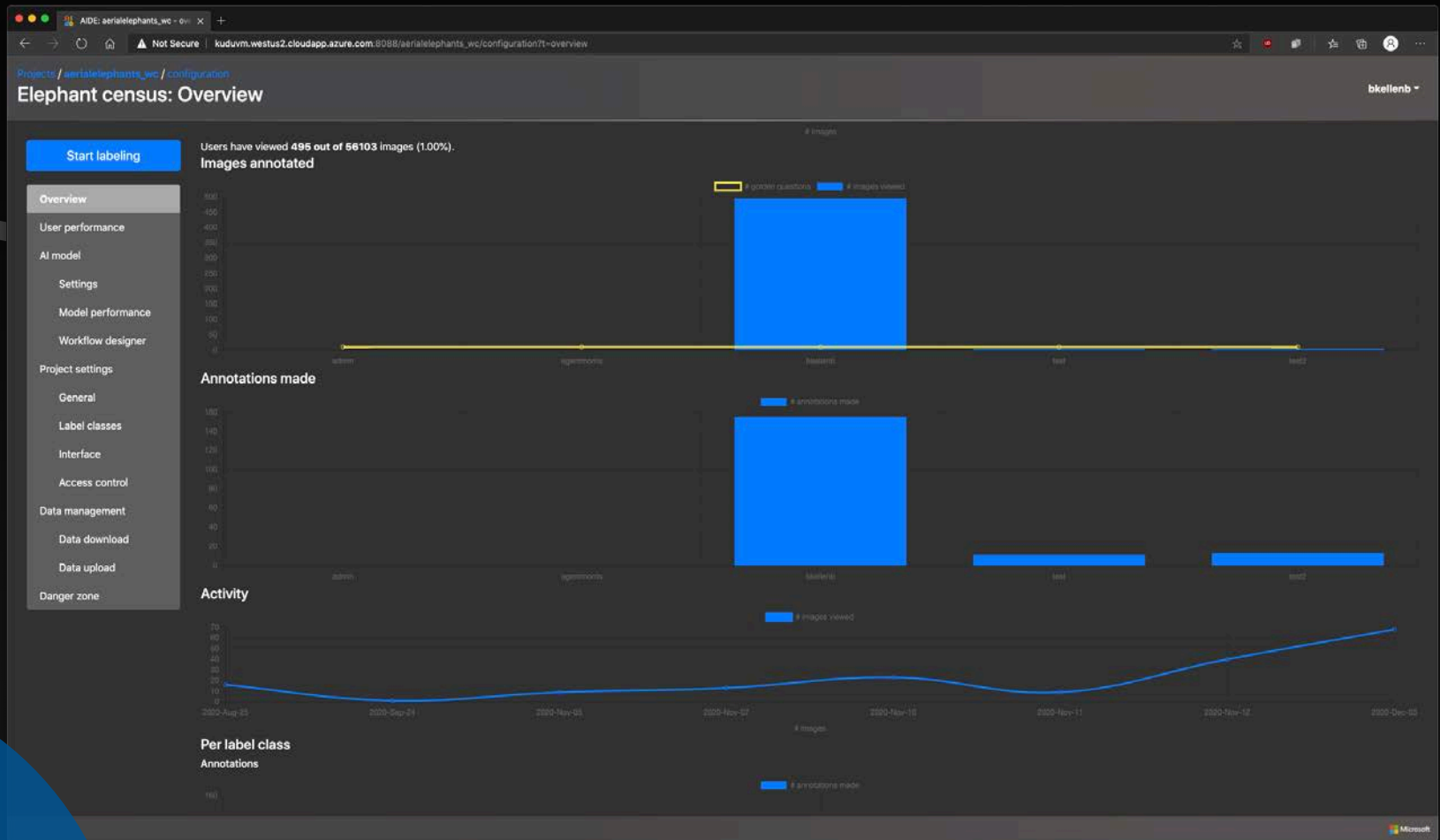
Bounding boxes



Segmentation masks

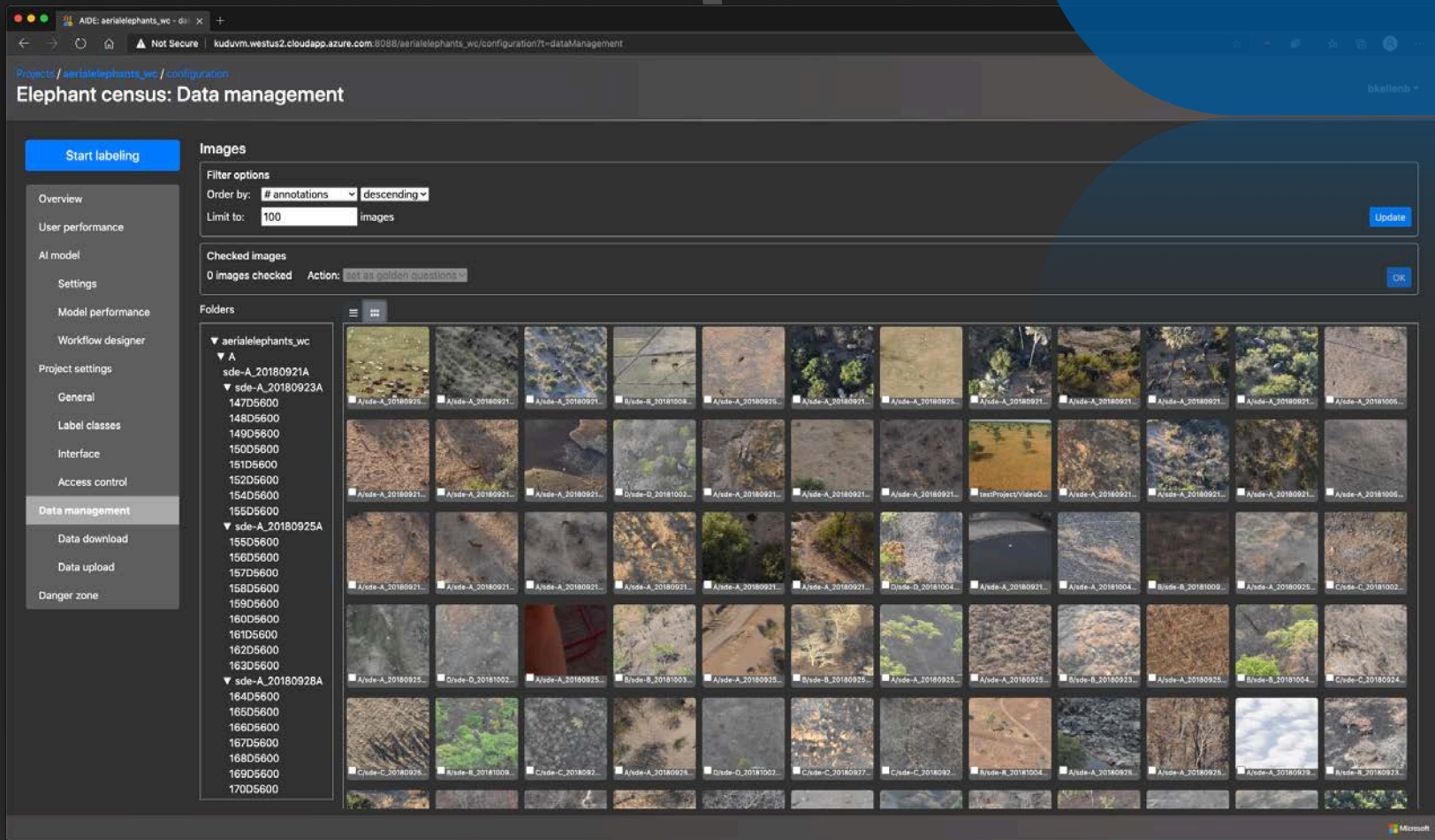


Advanced AI Models

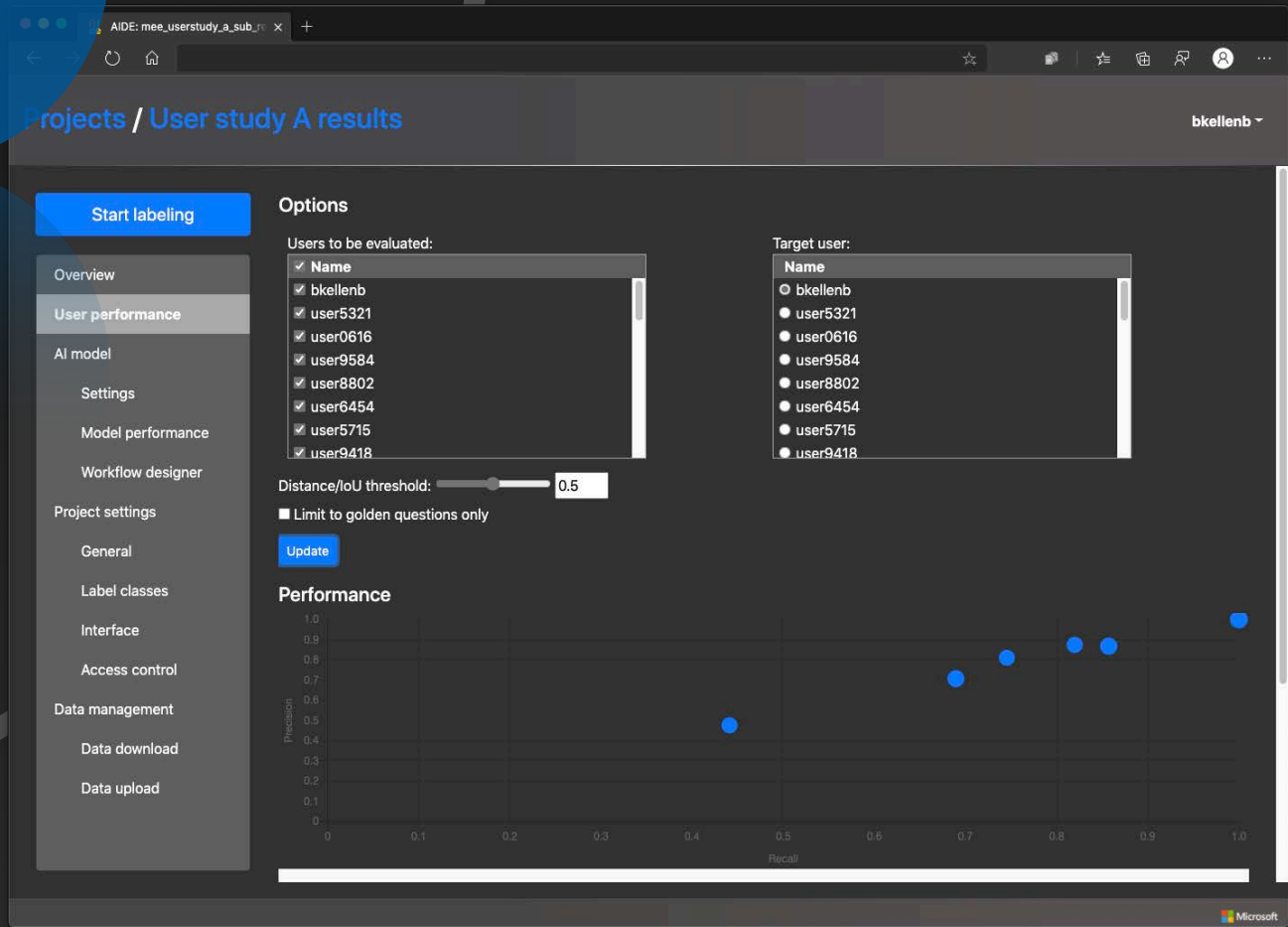


Progress Monitoring

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Powerful Data Management



Accuracy Evaluation

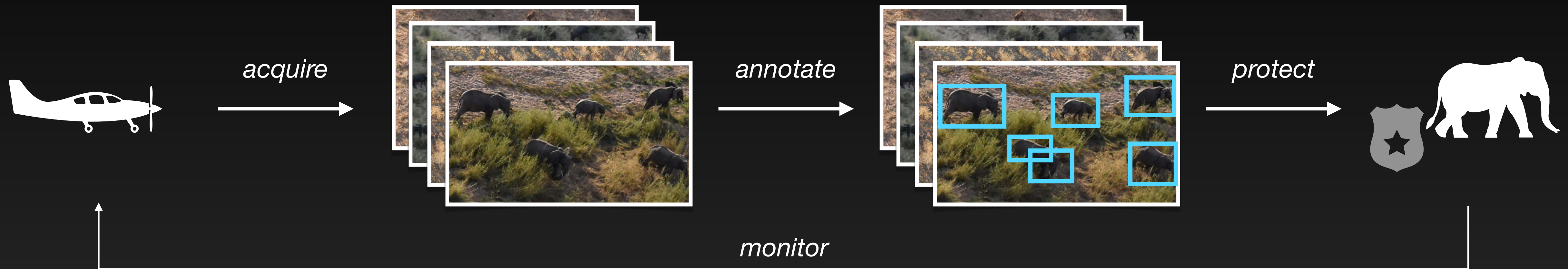
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- scalability, performance evaluation
- not needed
- protections, open source

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- Web-based, no coding required
- Fully flexible model training
- Model sharing across projects
- User & model performance evaluation
- ...and much more!

Free & Open Source:

https://github.com/microsoft/aerial_wildlife_detection

