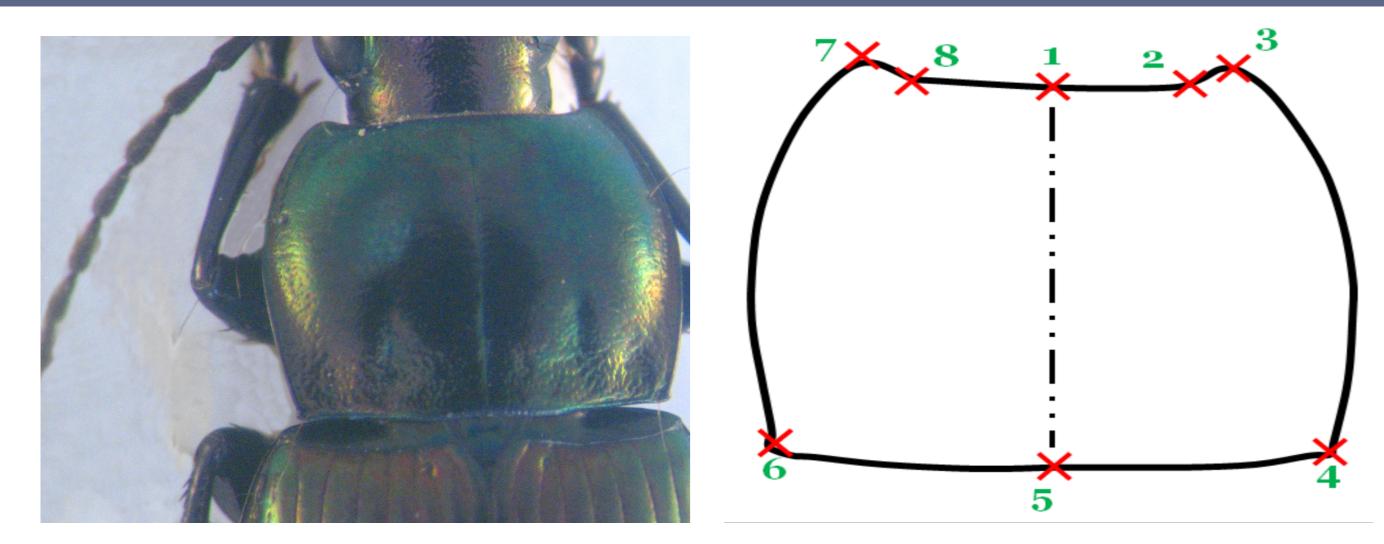
# EB-Net for landmarking on pronotum images

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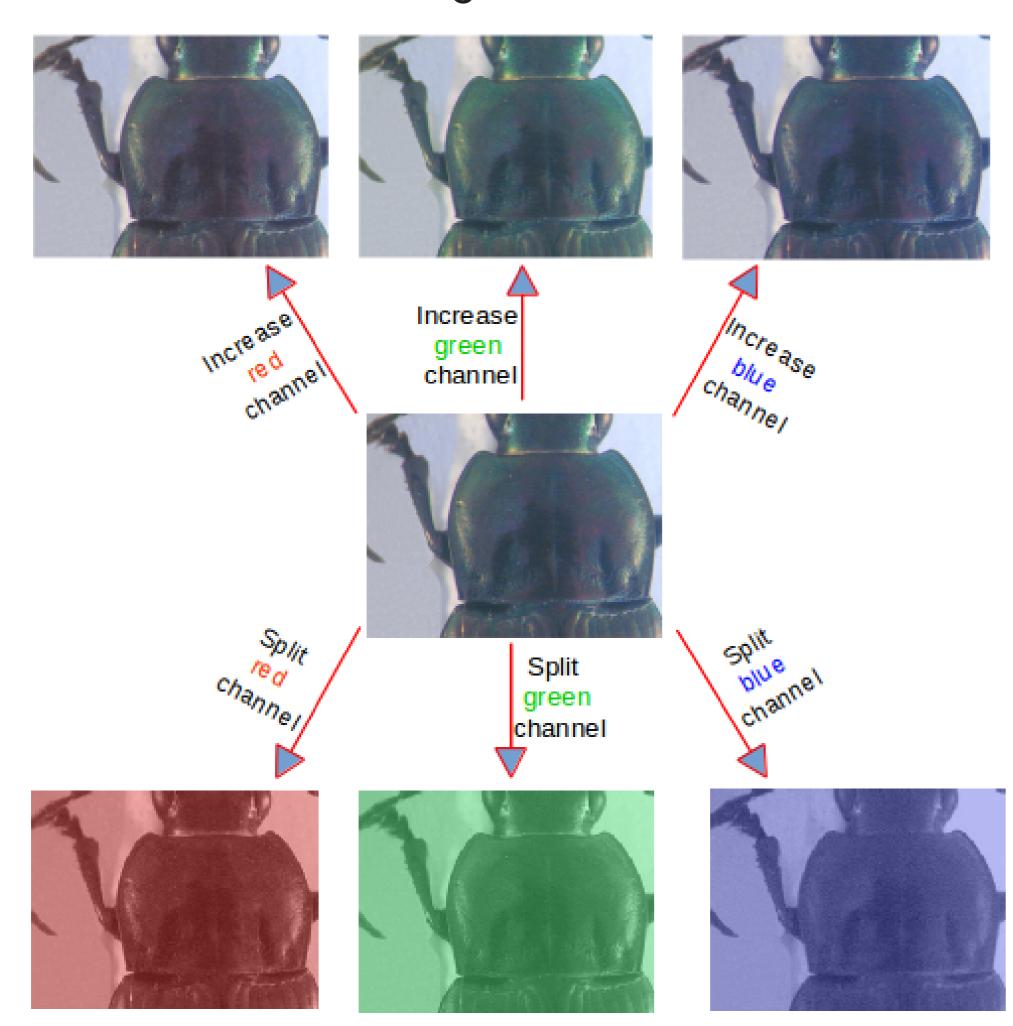
#### **Pronotum and landmarks**



How to locate the landmarks automatically?

#### Dataset augmentation

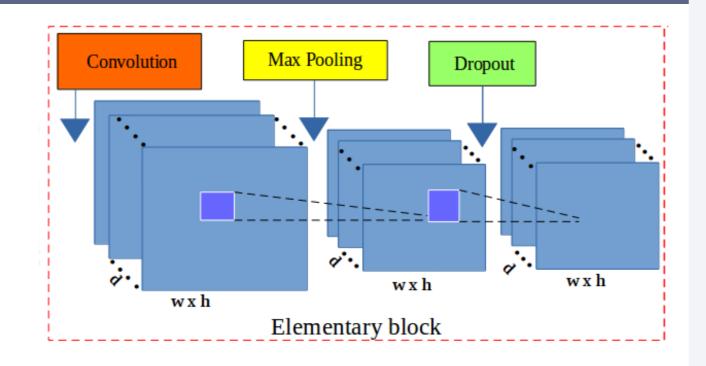
- 1. Changing the value of one color channel in the original image
- 2. Separating the channels of original image
- 3. In total:  $293 \times 7 = 2051$  images



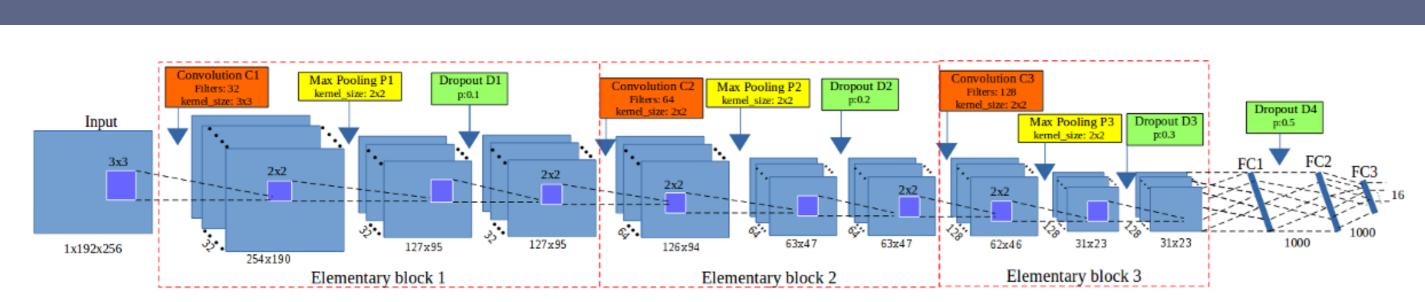
# Elementary block

An elementary block is consists of:

- A Convolutional layer
- A Max-Pooling layer
- A Dropout layer



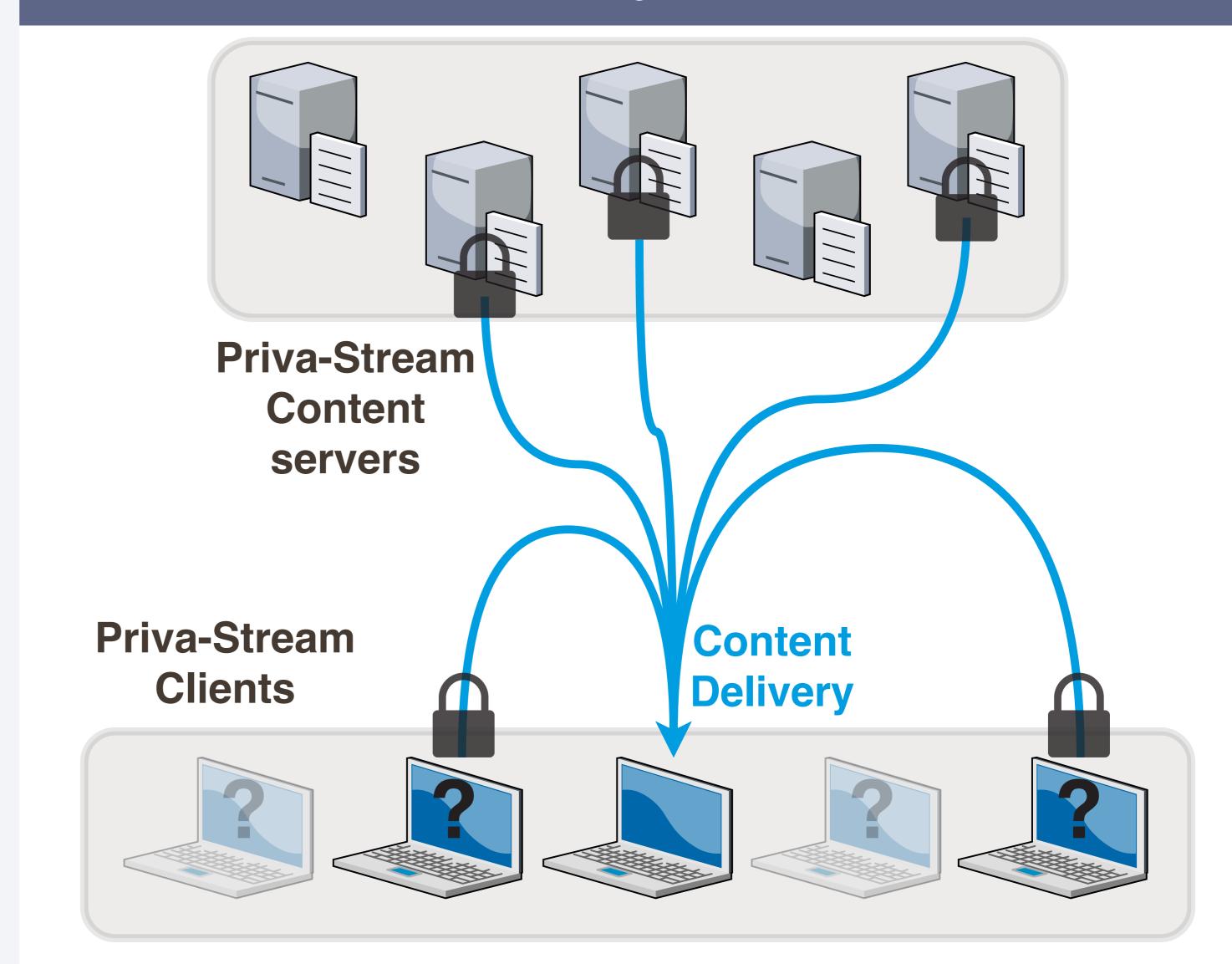
### **Network architecture**



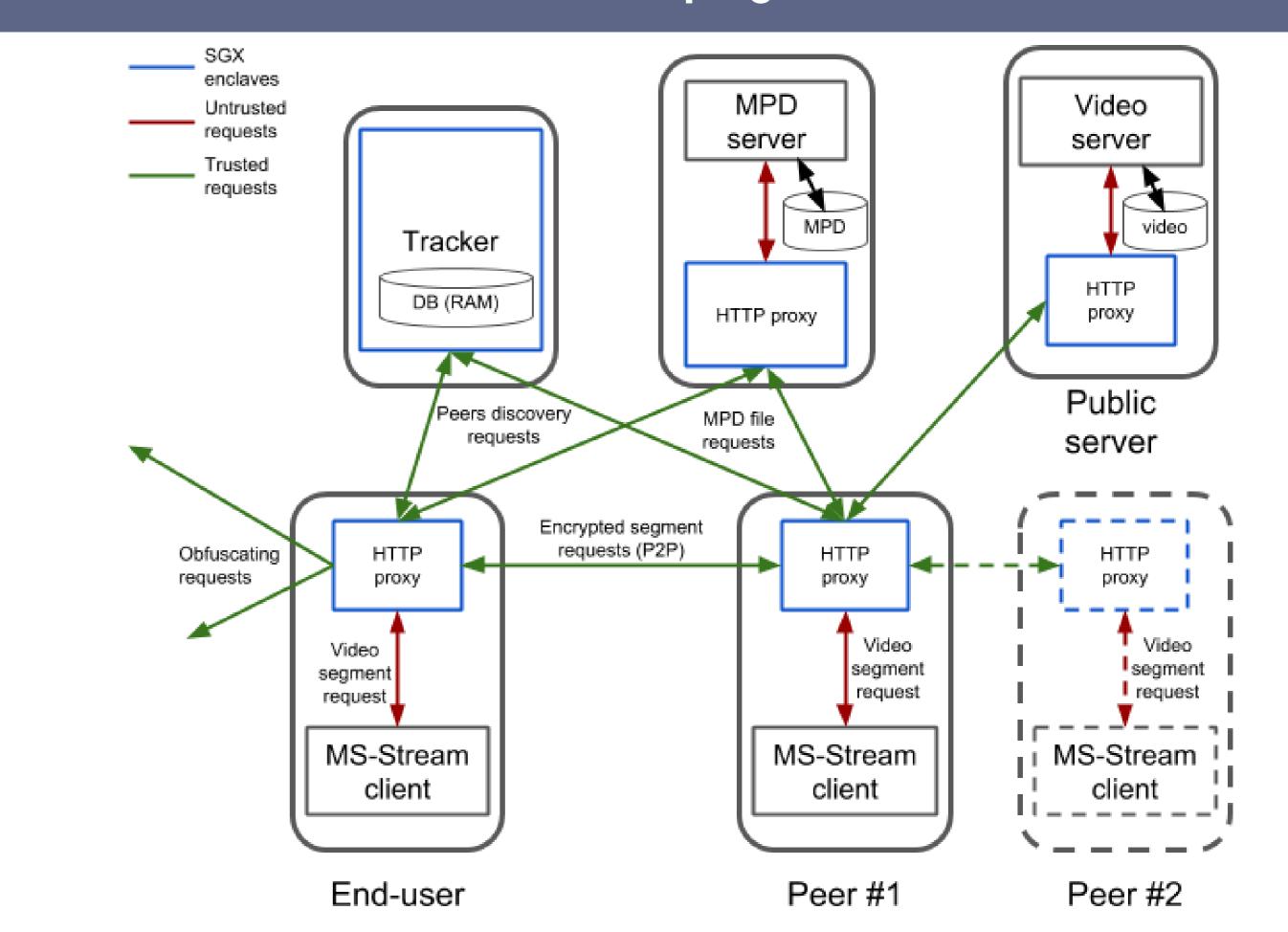
The proposed network includes:

- Three elementary blocks
- Three fully connected layers
- A Dropout layer

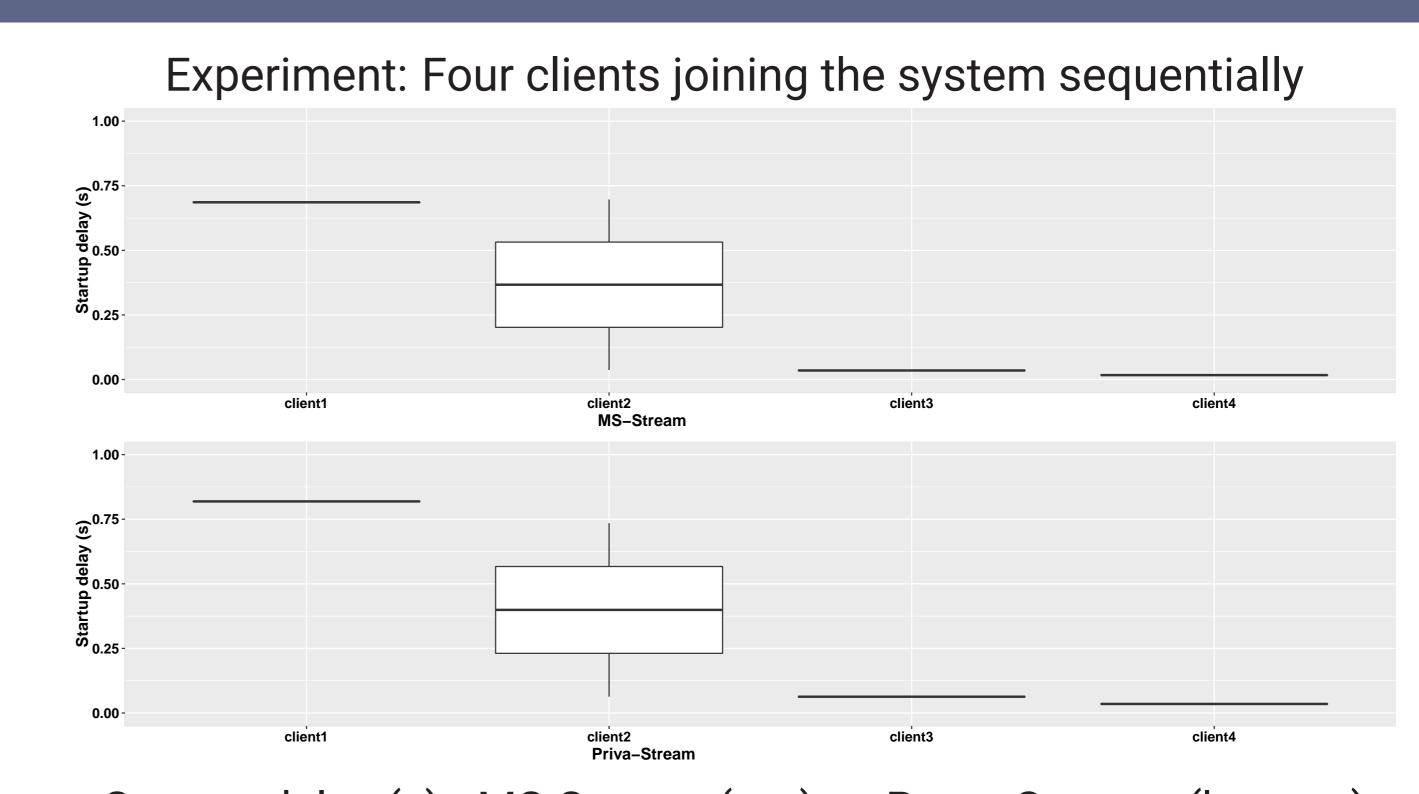
#### **Training curves**



#### **Evaluation progresses**



## Conclusion



Startup delay (s) - MS-Stream (top) vs Priva-Stream (bottom)

# Bibliography

- Reliability, QoE and scalability MS-Stream: Multiple-Source adaptive streaming over HTTP
- Incentive to contribute Rewarding: contributing users get a higher quality
- End-users privacy TEE (SGX): encryption, NAT and anonymity

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