CLICK’N’CUT: CROWDSOURCED INTERACTIVE SEGMENTATION WITH OBJECT CANDIDATES
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ABSTRACT
Click’n’Cut is a novel web tool for interactive object segmentation designed for crowdsourcing tasks. Click’n’Cut combines bounding boxes and clicks generated by workers to obtain accurate object segmentations. These segmentations are created by combining precomputed object candidates in a light computational fashion that allows an immediate response from the interface. Click’n’Cut has been tested with a crowdsourcing campaign to annotate images from publicly available datasets. Results are competitive with state-of-the-art approaches, especially in terms of time needed to converge to a high quality segmentation.

DATASET
96 images with associated ground truth from the Berkeley-DCU Dataset

RESULTS
Error percentage of users from the crowd in ‘test’ and ‘gold’ images.

SEGMENTATION TOOL
Click’n’Cut is available online. Scan the QR code to try it:

WEBSITE
Click’n’Cut is available online. Scan the QR code to try it:

REFERENCES


CONCLUSIONS
• New interactive segmentation tool which has been tested with a crowdsourcing campaign to annotate images from publicly available datasets.

• Competitive results against state-of-the-art interactive segmentation approaches have been shown.

• Fast convergence towards a good segmentation result (within the first ~30s).

• The challenge lies in the post-processing and filtering of the traces.