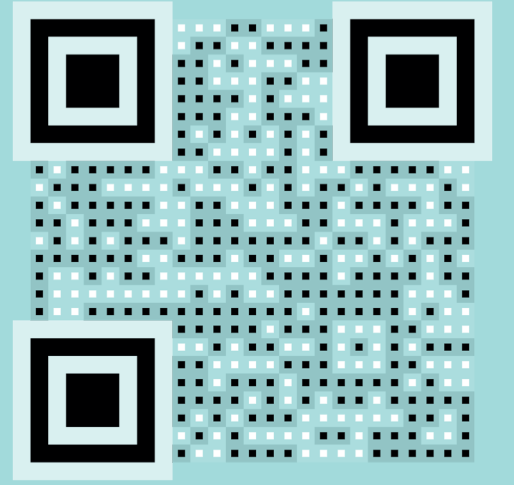


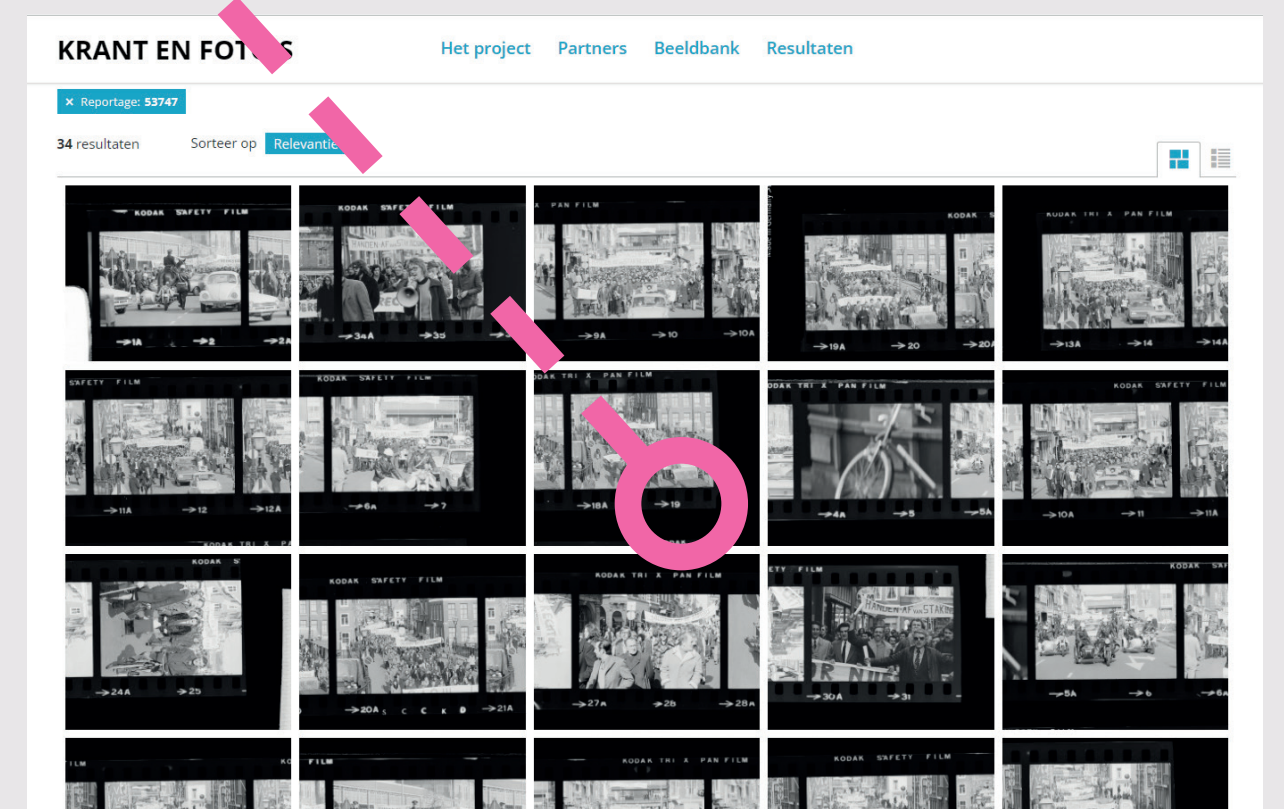
Newspapers & photos connected

Exploring the use of computer vision to gain better access to large heritage collections



Question: How could we connect press photos to newspaper photos?

Method & techniques: developing an algorithm based on convolutional neural network VGG16, Trainingset: pretrained on 1M+ images of ImageNet



Results

- Software for image recognition (Github)
- Dataset with newspaper photos linked to press photos. 4% of photos connected with accuracy of 99% = 30,000 connections
- Demo www.krant-en-fotos.nl with interactive connections between photos
- Lessons learned for cultural heritage sector

Future work

- Higher accuracy: further development of algorithm, a.o. by using metadata
- Scaling up: archives with press photo collections want a follow-up
- Digitisation of more newspapers is taking place right now
- Sustainability: implementing the functionality in existing repositories

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