

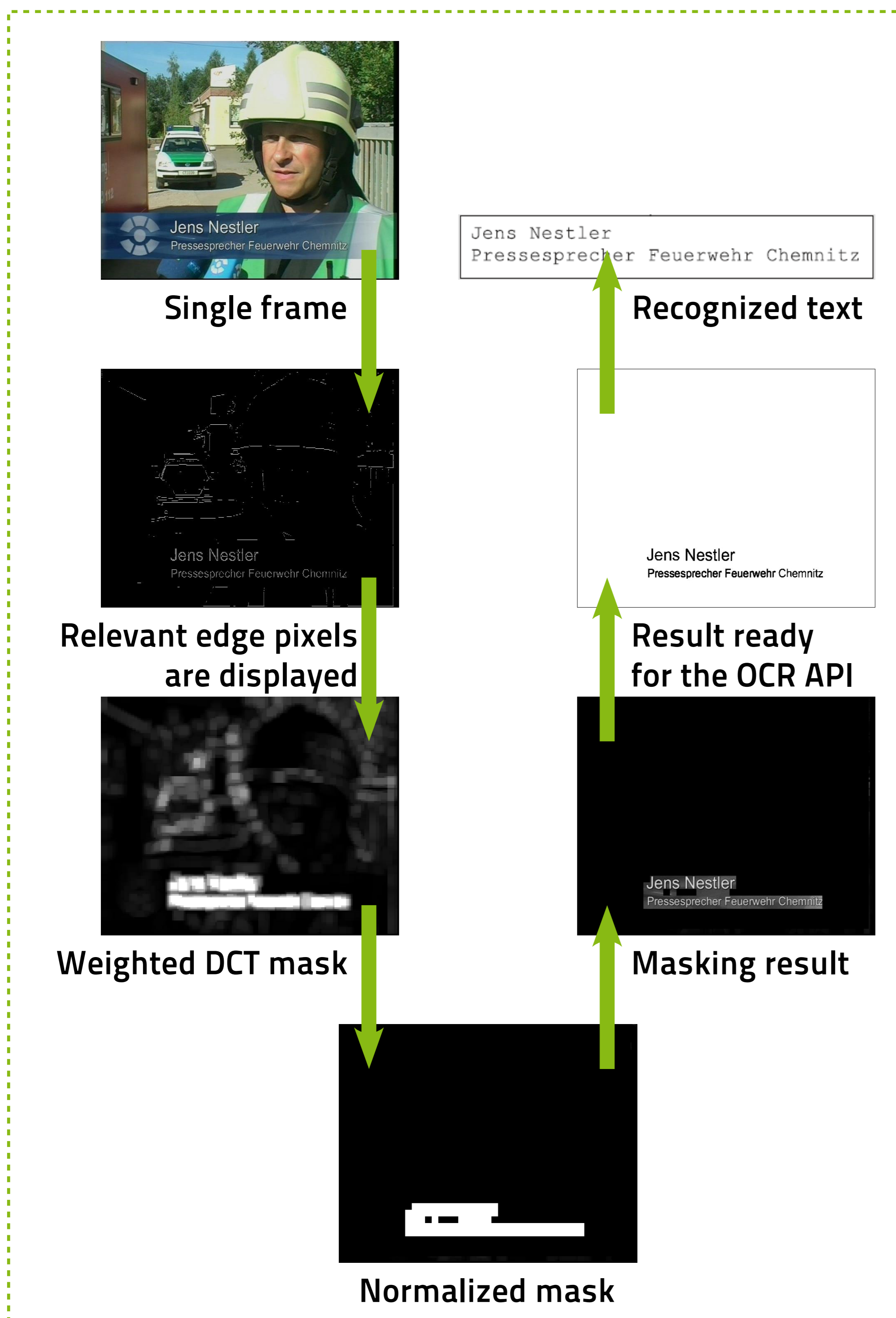
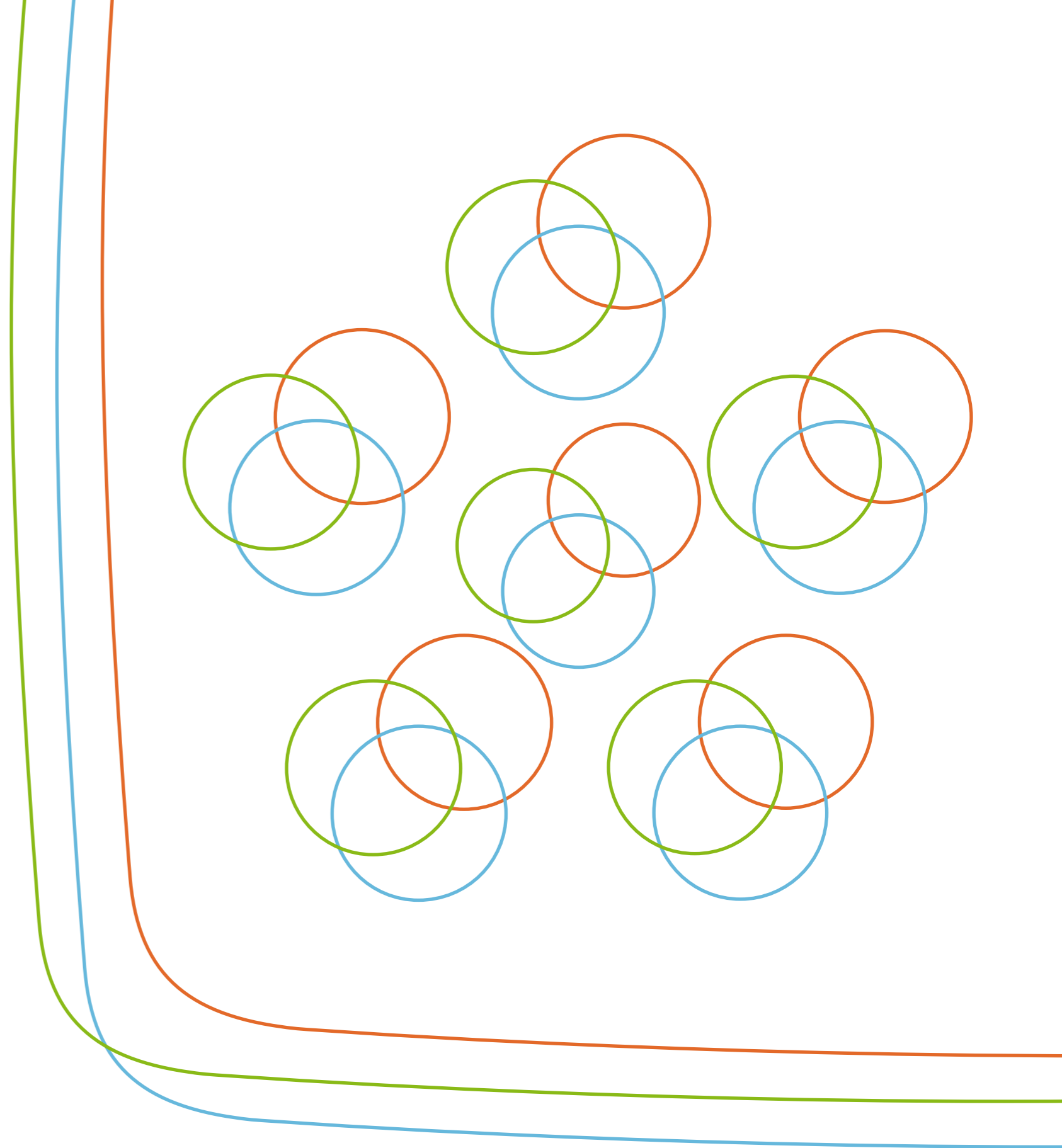
Face detection and text recognition in the field of automatical video analysis

The InnoProfile initiative sachsMedia develops methods for analyzing the content of audiovisual media. Therefore the detection of predefined objects in video content is very important.

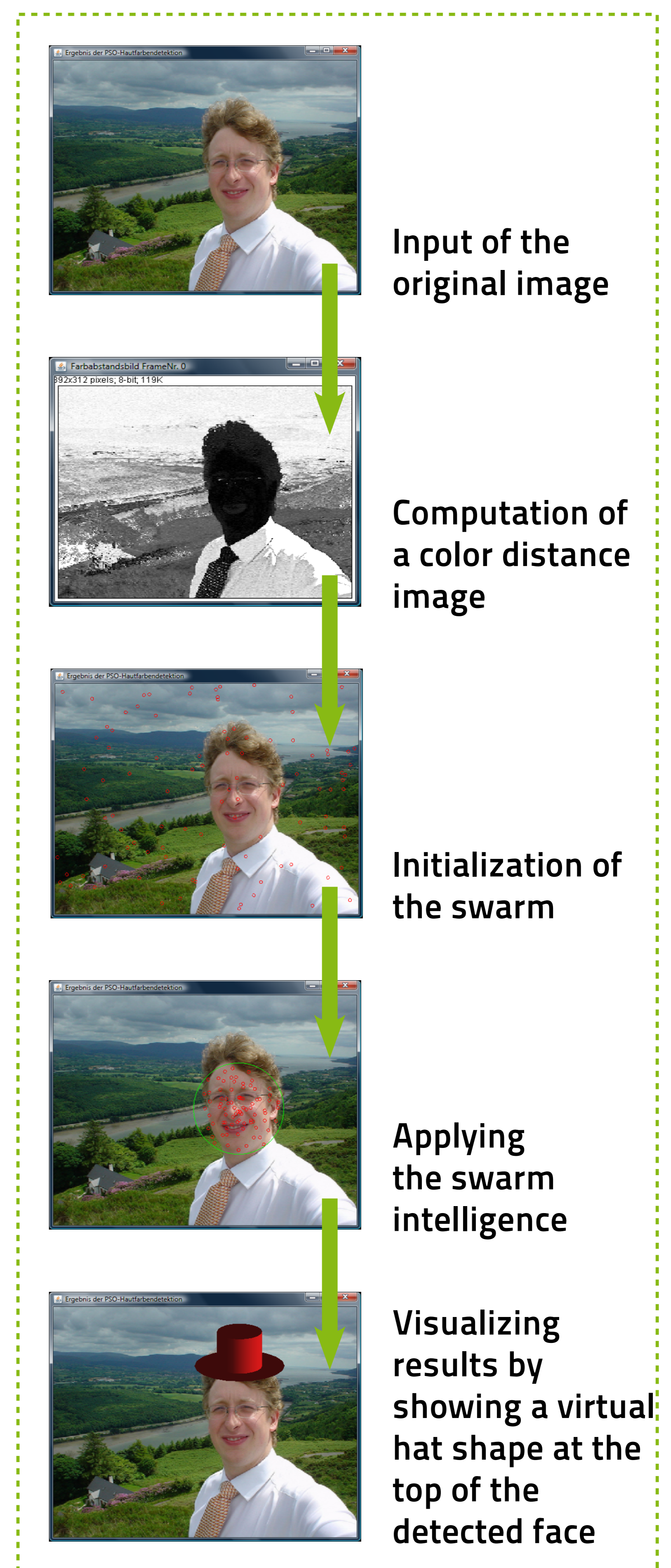
Swarm intelligence enables a group of individuals to solve complex problems while they are following only a certain amount of basic rules. This method is inspired by nature and allows the real-time capable detection of faces (refer to the right figure) and has won the first prize in the federal contest of *Jugend forscht 2010* in the field of Mathematics and Computer Science.

The **recognition of text** in subtitles with the use of graphical extraction and a following OCR (refer to the left figure) is an important application for the automatic analysis of television footage.

Information of both processes will be connected and fed into our retrieval systems.



Automatic text recognition in videos



Face recognition with the help of swarm intelligence