# VISOR Data Protection: Strategy and Evaluation

**Data Protection Strategy**

VISOR envisions the experimentation with federated machine-learning (ML) techniques over a mesh of IoT devices for the purpose of instrumenting smart crowd management (e.g., distributed dangerous object recognition, people trajectory tracking, as well as boundary-events recognition).

The experimentation in question is set to take place in the context of the PaasPop event (see here: <https://www.paaspop.nl/>) whose security and data-privacy is handled directly by Holland-Security Group (HSG) and with whom the VISOR team retains a complete collaboration and cooperation. In line with the privacy and security policy stated by HSG, the VISOR team will bring up and enact an ML federation which will run a total of 12 computational intelligence scenarios which may include data-processing over data for which GDPR restrictions apply. In the context of such potential restrictions, the VISOR teams envision:

1. To enact the privacy-policy consistent within the legal basis of a *“public task for the processing of anonymized data”* and under the terms and conditions already agreed upon by attendees to the event and the security services already in place (enacted by Holland-Security Group, see here: <http://www.hollandsecuritygroup.com/> );
2. In line with GDPR restrictions, to maintain data (in a format which is 100% anonymous at the source) for a period of up to 90 working days after the event is over; the anonymized-at-the-source form will be functional to further analysis and for research and post-processing purposes only. Furthermore, the data will be captured in low-resolution mode only, and without feature-engineering of any kind which may allow attendees’ own identity;
3. In line with GDPR restrictions, to identify all data pertaining to children (underage people) and immediately discard said data upon elicitation;
4. To gather, store, and process the data using private/owned cloud/infrastructure/hardware and under the aforementioned restrictions;

More specifically, with respect to article 1 and 2 from the above enumeration, the VISOR team commits to conduct experimentation within the allowance already agreed upon by event attendees who, according to the PaasPop privacy policy statement Sec. “Agreement by purchasing tickets”, bullet 3, line 2, namely “To provide services based on your location” as well as the privacy and security/event-protection policy enacted by HSG.

With respect to the above, the VISOR team aims at conducting fair scientific efforts towards a *“Public Task for the processing of anonymized data”* completely in line and under the obligations connected to our agreements with HSG and the help received under their privacy policy.

**Information concerning Festival Attendees**

Festival attendees are not expected to engage in any specific participatory action with respect to VISOR activities and are intended as *co-participatory*, meaning that the VISOR experimentation will capture their likelihood and appearance as well as circumstantial information concerning their participation in the event (trajectories, clothing) for the sole purpose of smart event management and maximization of event security and safety as well as crowd management in the context of said event.

**Consistency with respect to Algemene Verordening Gegevensbescherming**

**(AVG)**

In the scope of the VISOR experimentation, only JADS researchers are intended and explicitly allowed to participate, engage in, experiment with, and in any way interact with the VISOR equipment and experimental material in the context of the research project and no volunteers are asked to participate directly. No data is stored which could identify participants of PaasPop and only fully-anonymous data is stored after processing of the videos and telemetry gathered in the context of the field study – this policy document was revised and the conclusion is that the strategy herein is AVG-compliant.