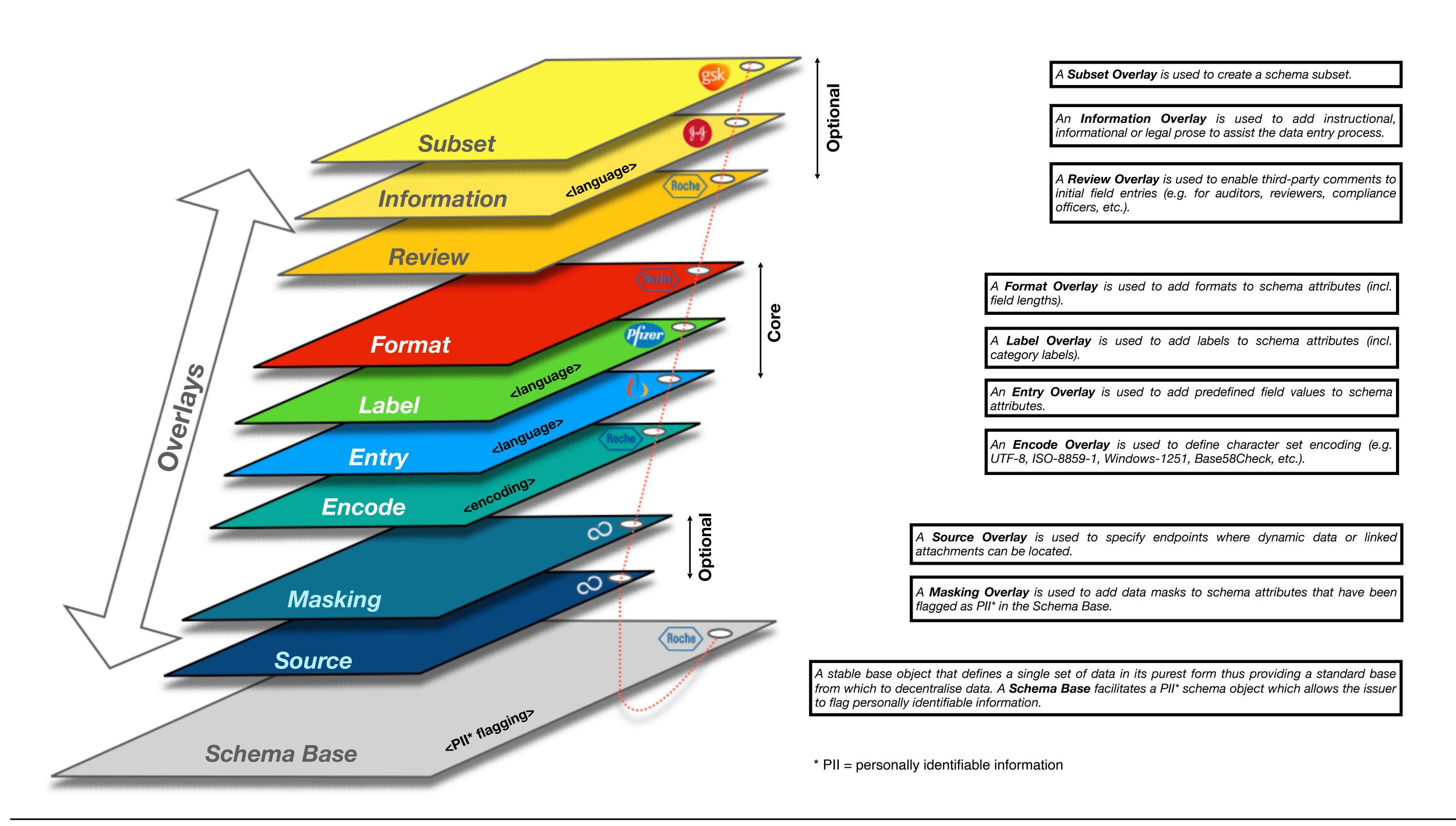
Overlays Capture Architecture (OCA)

Providing a standardised global solution for data capture and exchange

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Why is OCA useful?

Data pooling. Decoupling can occur at any time as overlays are linked objects. With all coloration stored in the overlays, combining data from related sources becomes much easier. Overlays can be removed from the base objects before the data merging process begins and reapplied to ensure consistent coloration post data pooling.

Flagged attributes for encryption. Using the Blinding Identity Taxonomy (BIT) as a reference, issuers can flag attributes in the schema base that could potentially unblind the identity of a governing entity. With attributes flagged at the base object layer, all corresponding data can be treated as sensitive throughout the data lifecycle and encrypted or removed at any stage making associated entity identification impossible.

Internationalisation. As character set encoding definitions are captured in a separate linked data object, a single report definition can contain different attribute forms for different languages available to users, based on a user's locale and other language preferences.

Stable schema bases. Most schema updates tend to be done at the application stage. In the case of OCA, all extension, coloration, and functionality definitions are applied in the overlays. This enables issuers to edit one or more of the linked objects to create simple updates rather than having to reissue schema bases on an ongoing basis.

Data decentralisation. Schema base definitions can remain in their purest form thus providing a standard base from which to decentralise data. Once the data holder has given adequate consent, data controllers can contribute anonymous data to decentralised data lakes upon which 3rd parties can trigger accurate criteria searches for matched data. This eliminates the need for data silos and encourages consented data sharing. The data holder is empowered by self-determination regarding secondary use of their personal data.

OCA facilitates a unified data language

