



# The Development of a Quality Assurance Signal Analytics Framework

## Project brief

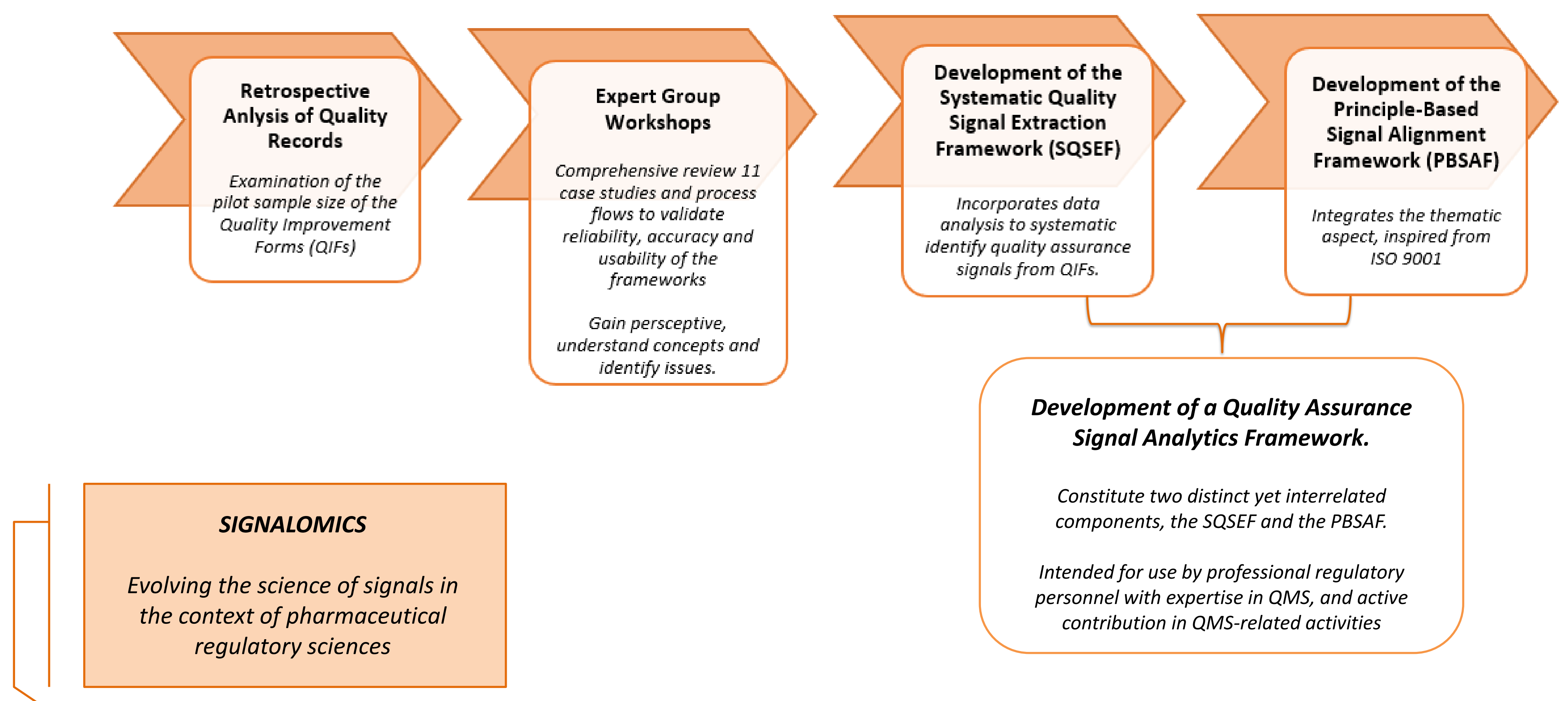
### Aims

In an increasingly interconnected pharmaceutical landscape, the concept of regulatory science is more vital. Far beyond compliance, regulatory science serves as a strategic intelligence core, enabling informed decisions. This evolving landscape underscores a critical need to support the development of a harmonised system for the management of quality assurance signals within medicinal products regulatory sciences.

### Objective

Development of a Quality Assurance Signal Analytics Framework (QASAF).

## Methodology



## Results

The QASAF is shown to:

- Facilitate an empirical evaluation and classification of the identified quality assurance signals through a data-driven analysis approach, SQSEF.
- Incorporating a thematic dimension into the identified quality assurance signals, through application of the PBSAF.
- Support trend analysis to specify the most prominent themes and thematic principles, providing insights into the organisational cultural ethos in relation to quality management practices.

## Conclusions

The QASAF utilises the element of the signal as a mechanism to direct conscious effort throughout the evaluation process, supporting an evidenced-based approach. In vein of the study signals for quality assurance in pharmaceutical regulatory sciences are in its infancy, so more when signals are considered in quality management systems.