

# Migrate from SAP BO to Power BI



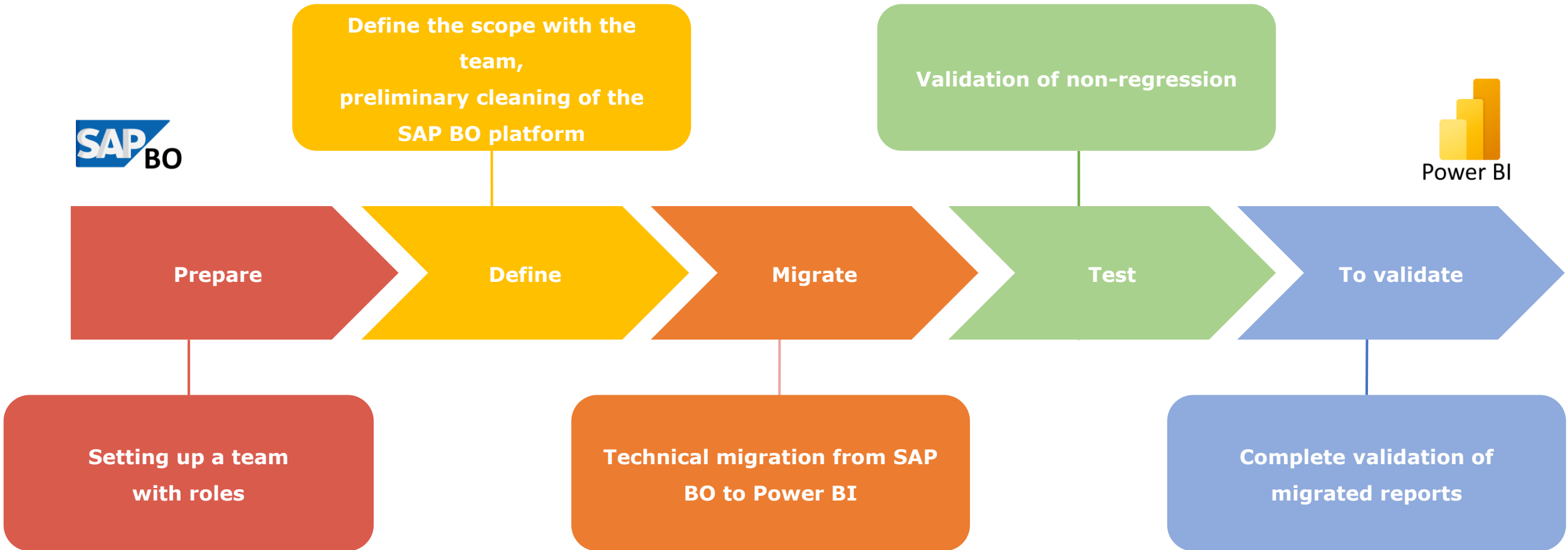
Overview of the process for a successful migration benefiting from {oA-Reverse} automation.



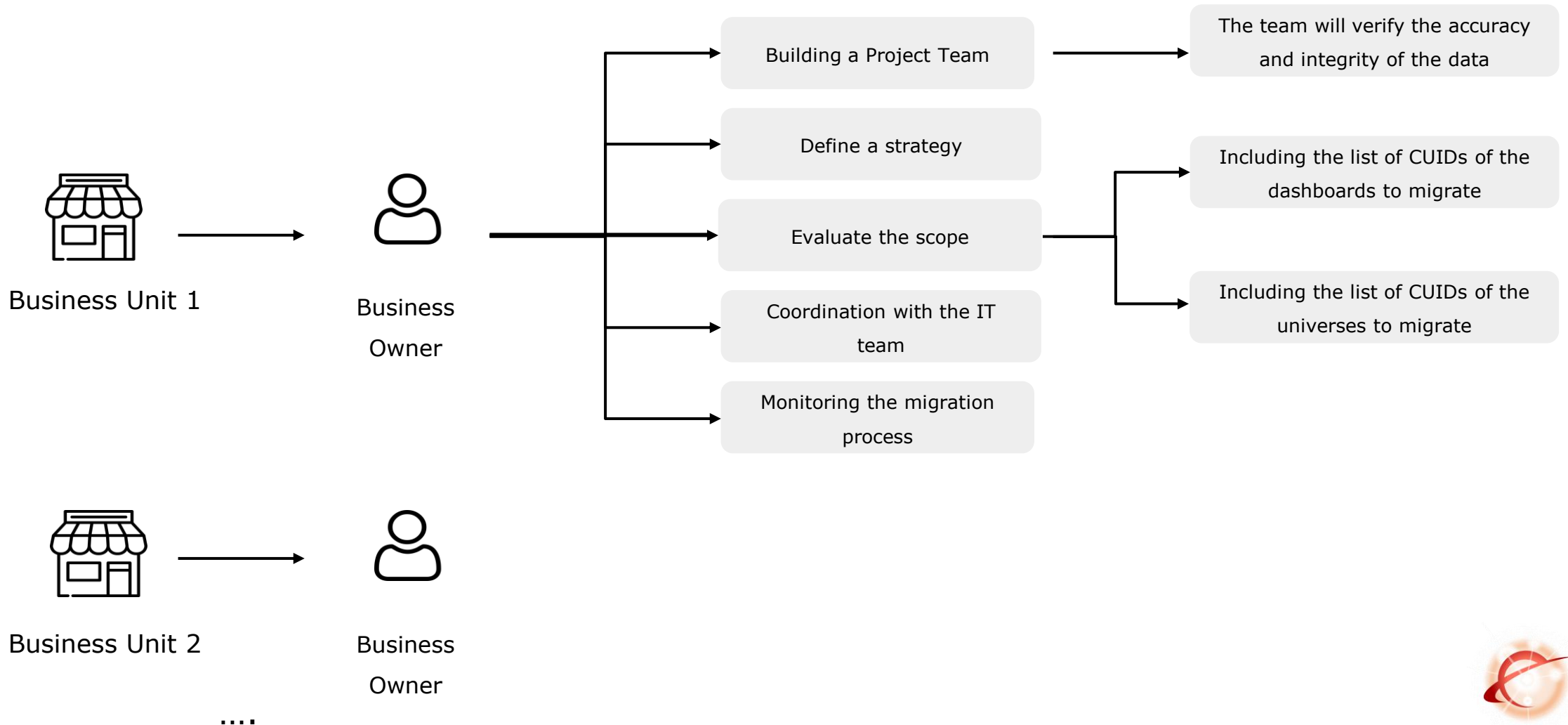
# Collaborative migration process

The aim is that the automated migration of **{oA-Reverse}** is implemented in collaboration with the Client for an optimal result.

The main stages:

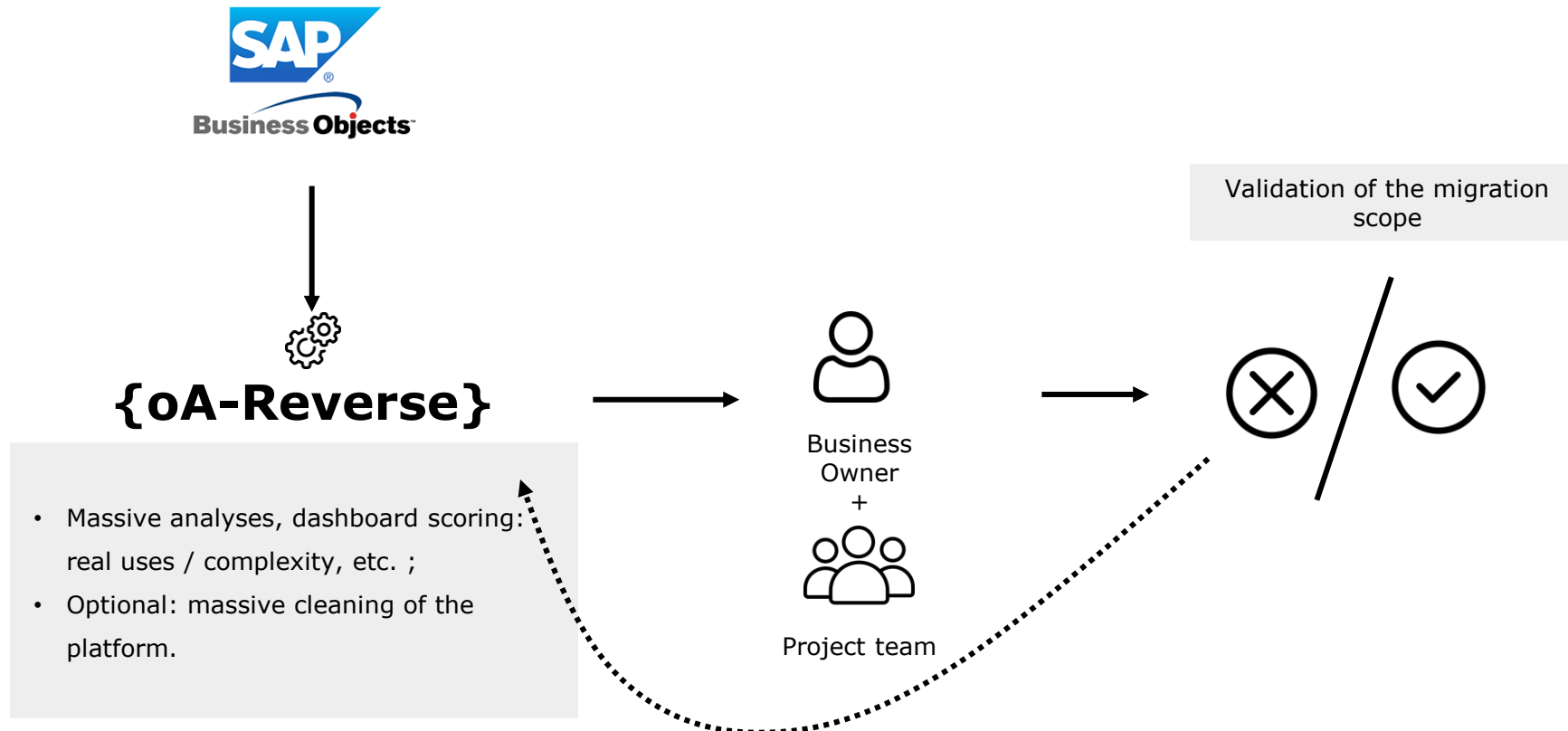


## Teams on the Client side who support the project, with established responsibilities.



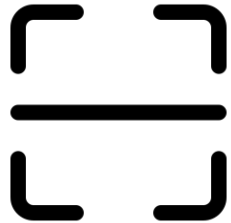
## General principle :

**Massive analysis of the SAP BO platform with { } to refine the scope based on the quality and use of the dashboards, then validation by the project team. Iterations.**



## Method for inventorying the SAP BO platform, and defining the scope to migrate.

**{oA-Reverse}** will carry out a continuous analysis of the entire platform with maximum granularity, using parsers and probes. This will make it possible to establish a quantitative and qualitative inventory of the platform.



- Granular analysis: **{oA-Reverse}** will directly analyze \*.wid, \*.unv, \*.unx, to recover as much information as possible;
- Guarantee consistency: **{oA-Reverse}** will also access (via SAP tools) the repository to keep identifiers consistent between the different objects;
- **{oA-Reverse}** probe will retrieve certain logs from the audit databases (Auditor).



**Optional: massive cleaning of the SAP BO platform before migration, to adjust the scope.**

**{oA-Reverse}** makes it possible to significantly reduce the scope of dashboards to be migrated by allowing massive archives prior to migration. It is often more than 90% of the platform which in reality has no use, or no longer has any use.

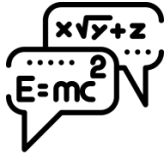


- Reports that are obsolete or contain errors are detected. **{oA-Reverse}** allows them to be archived via the creation of unit BIARs.
- Replicated reports are detected by **{oA-Reverse}** based on various criteria. They can be archived massively in unit BIARs.



## How to migrate?

### {oA-Reverse} captures complexity in SAP BO.....

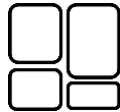


Analysis of "intelligence" in the SAP BO dashboard

- **{oA-Reverse}** builds the list of expressions and variables;
- **{oA-Reverse}** creates a list of basic BO functions used in these expressions and variables.

...

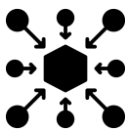
Analysis of the SAP BO "layout"



- **{oA-Reverse}** defines the number of tabs, nested blocks, sections;
- **{oA-Reverse}** defines the number and type of grids and charts;
- **{oA-Reverse}** constructs a list of filters.

...

Analysis of the "sources" of the SAP BO platform



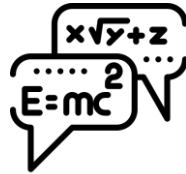
- **{oA-Reverse}** defines the number of data providers and the related dimensions;
- **{oA-Reverse}** defines the contexts used;
- **{oA-Reverse}** defines the list of prompts used in dashboards.

...



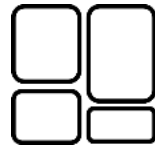
## How to migrate?

.... And **{oA-Reverse}** reproduces this complexity in Power BI in an automated way.



Migration of dashboards and intelligence:

**{oA-Reverse}** will convert objects in each dashboard's data model tables and organize data preparation to replicate the intelligence of BO documents in DAX and/or Code M.



Layout migration:



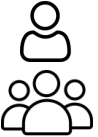
**{oA-Reverse}** will convert the BO layout directly to PBIX which will be exported to Azure. The organization of the components is also respected.





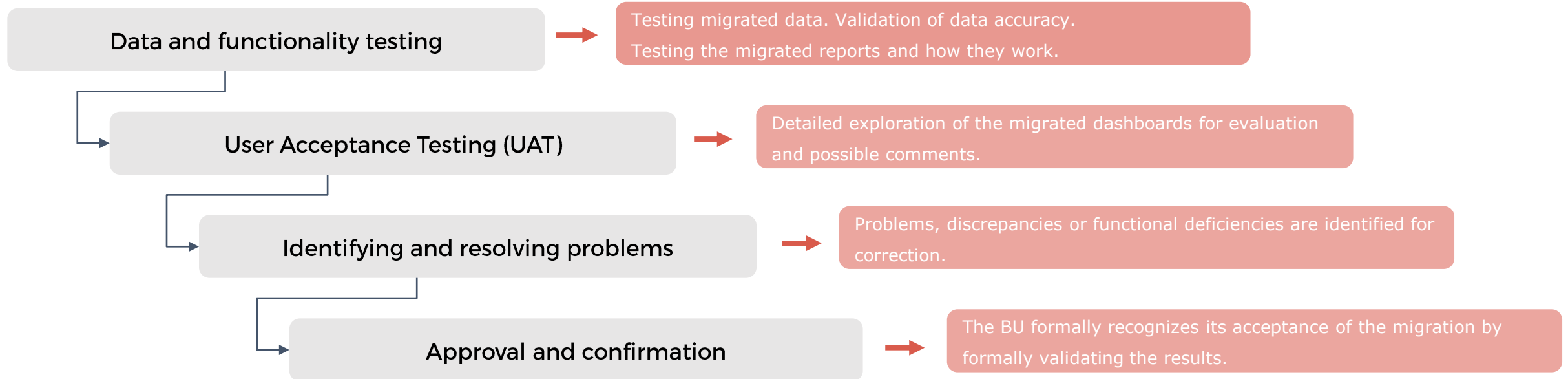


## Definition of the main tests carried out

Who	What Definitions
	<p data-bbox="647 558 937 711"><b>API testing</b></p> <p data-bbox="1039 639 1462 676">Errors on empty shells</p>
	<p data-bbox="647 822 937 975"><b>Testing wrappers</b></p> <p data-bbox="1039 839 1824 943">Data comparison: Push CSV of BO blocks, BO prompt values</p>
	<p data-bbox="647 1158 937 1310"><b>Unit testing</b></p> <p data-bbox="1039 1172 2262 1276">Format issues, column order, number format, filters, data quality, error messages</p>



## Validation protocol for migrated dashboards.





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