

From Patstat to TIP: The Logical Path of a Patent Landscape Analysis

Riccardo Priore, Area Science Park Trieste

Abstract

This talk traces a patent landscape analysis through three stages, each built to overcome the practical limit of the one before it. It starts with Espacenet, the free, familiar entry point — powerful for full-text search, but capped in how much it can export. It moves to Patstat queried in SQL, which removes that ceiling and, on its own, already covers most of what a credible Patent Landscape Report needs: family deduplication, IPC/CPC classification, citation analysis, and charting. It closes with the EPO's Technology Intelligence Platform (TIP), which extends that same underlying data — in a single cloud session combining SQL, Python and HTML/JS — into territory SQL alone cannot reach: t-SNE/K-Means clustering, interactive dashboards, and embedded AI assistance. Beyond simply widening what can be seen, TIP's speed matters just as much: less time spent on data wrangling frees the analyst to focus on refining the search strategy itself.