



TV White Spaces & Spectrum Mapping

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Motivations for TV White Spaces

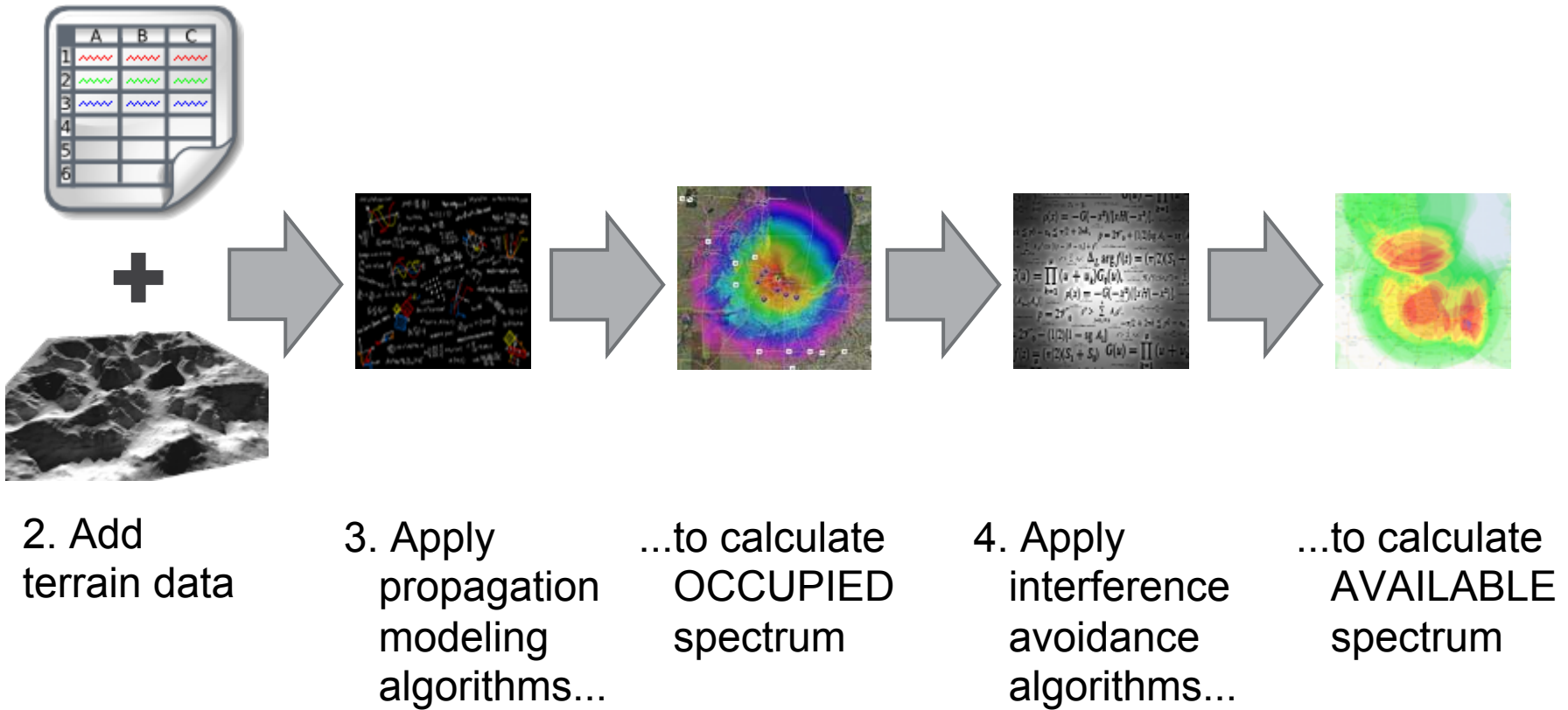
- Internet connectivity is driving demand for spectrum
- Legacy spectrum allocations are fragmented and underutilized
- It is disruptive, costly, and impractical to move existing spectrum users

TV White Space Database

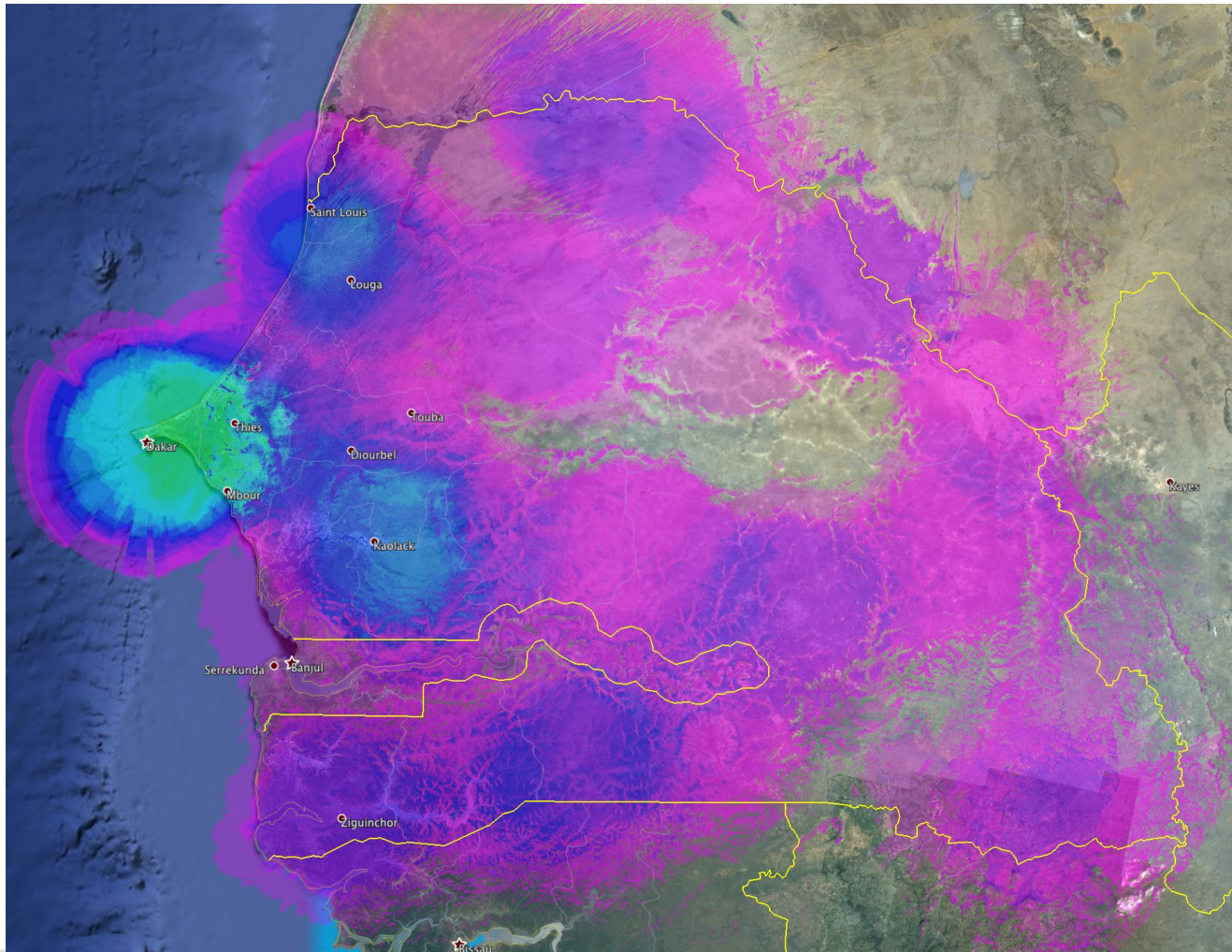
- Makes more spectrum available without taking away existing services
- Fills in the gaps where spectrum is underutilized
- Incumbent users can continue to operate as-is
- Computations kept in the database make white space devices simple yet dynamic

Spectrum Database Basics

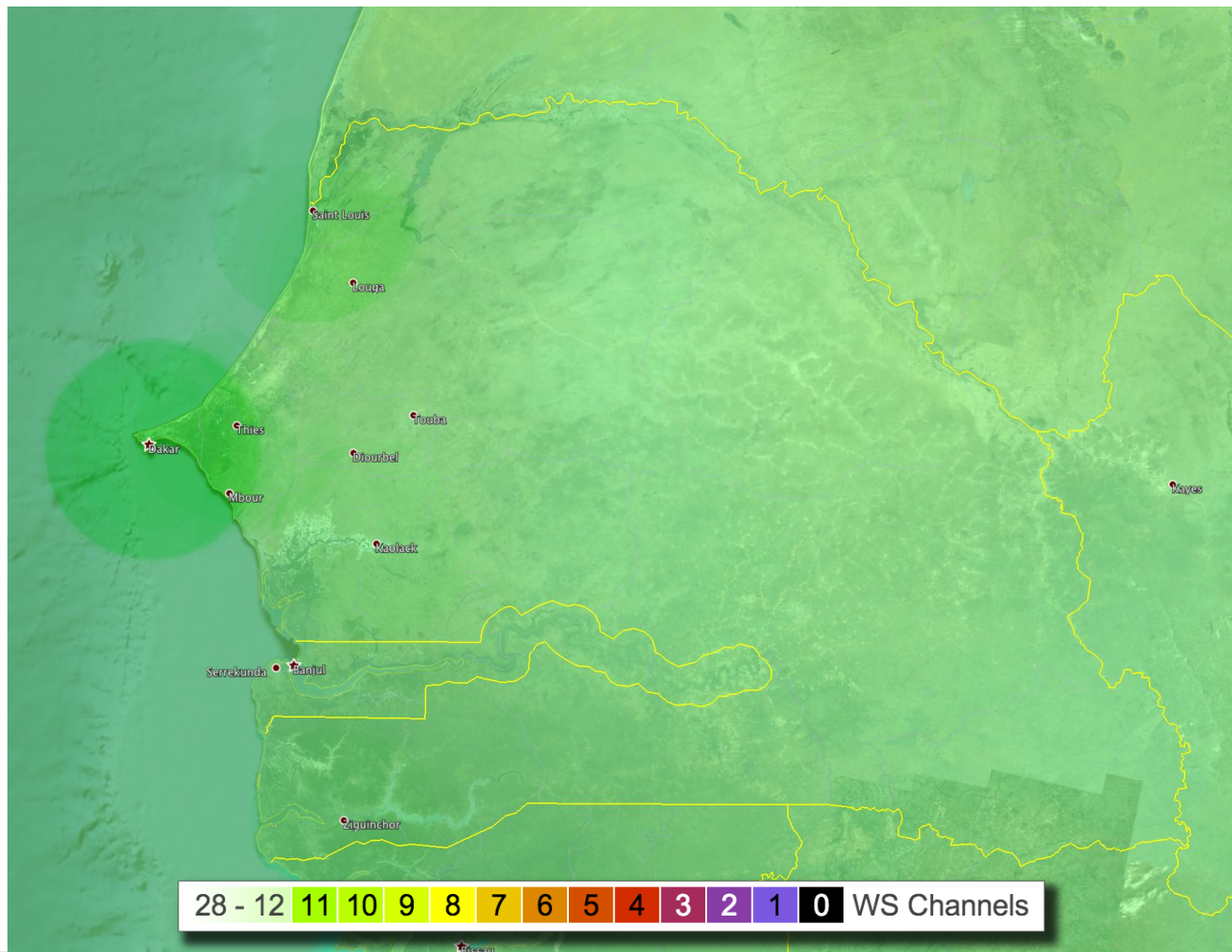
1. Start with transmitter data



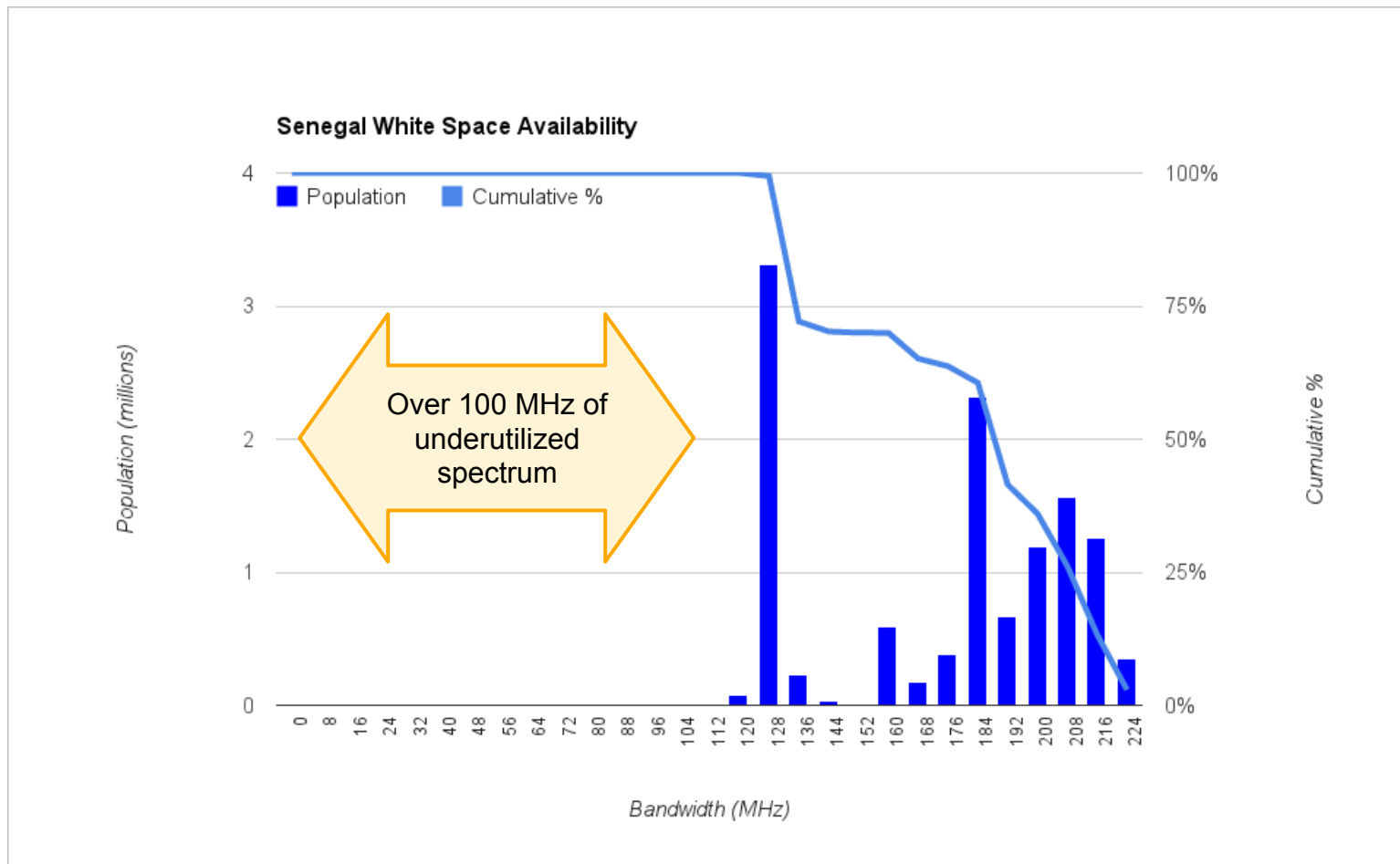
Senegal TV Coverage



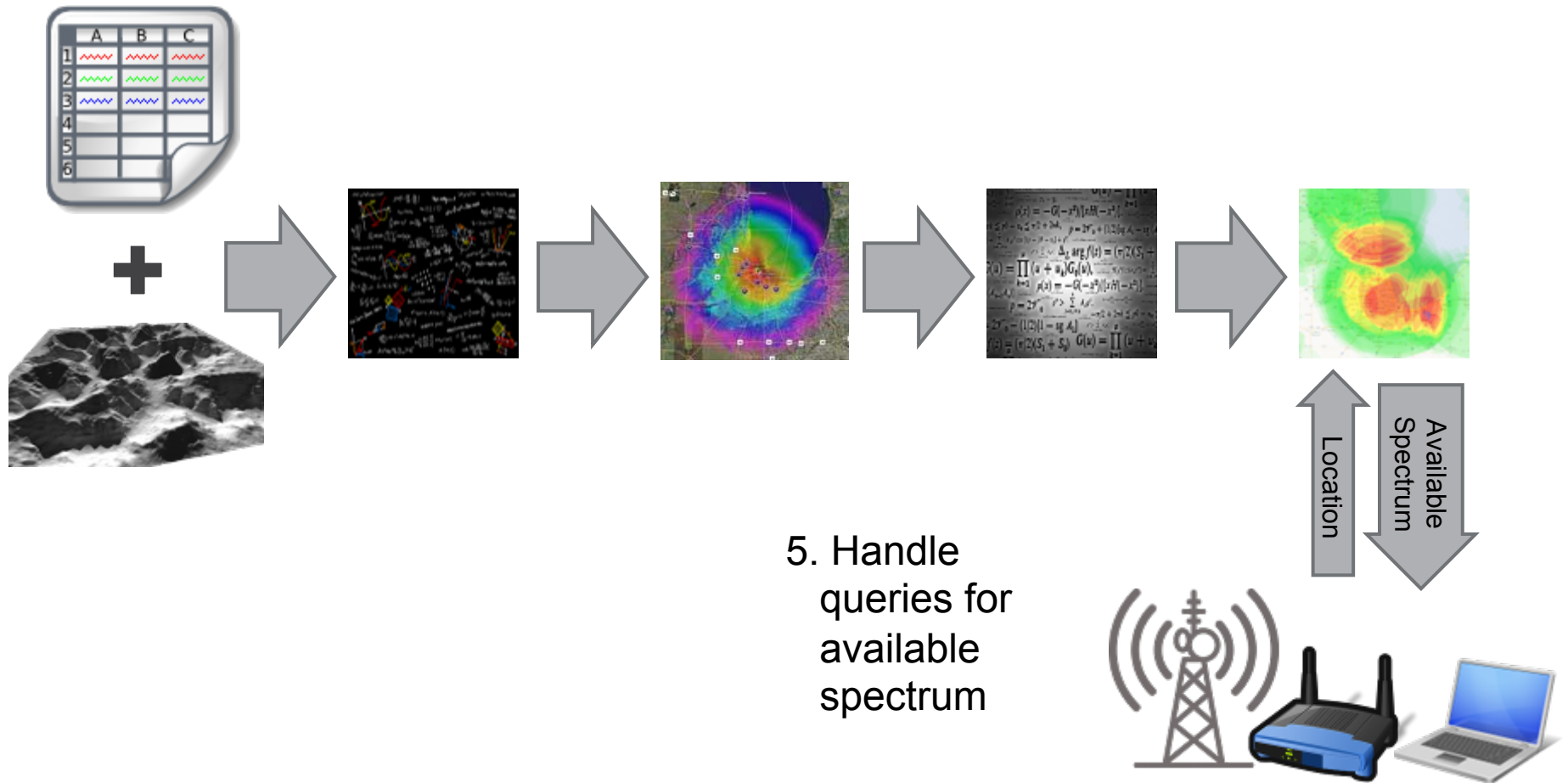
Senegal WS Availability



Senegal WS Availability



Spectrum Database Basics



Questions?



Thank You