

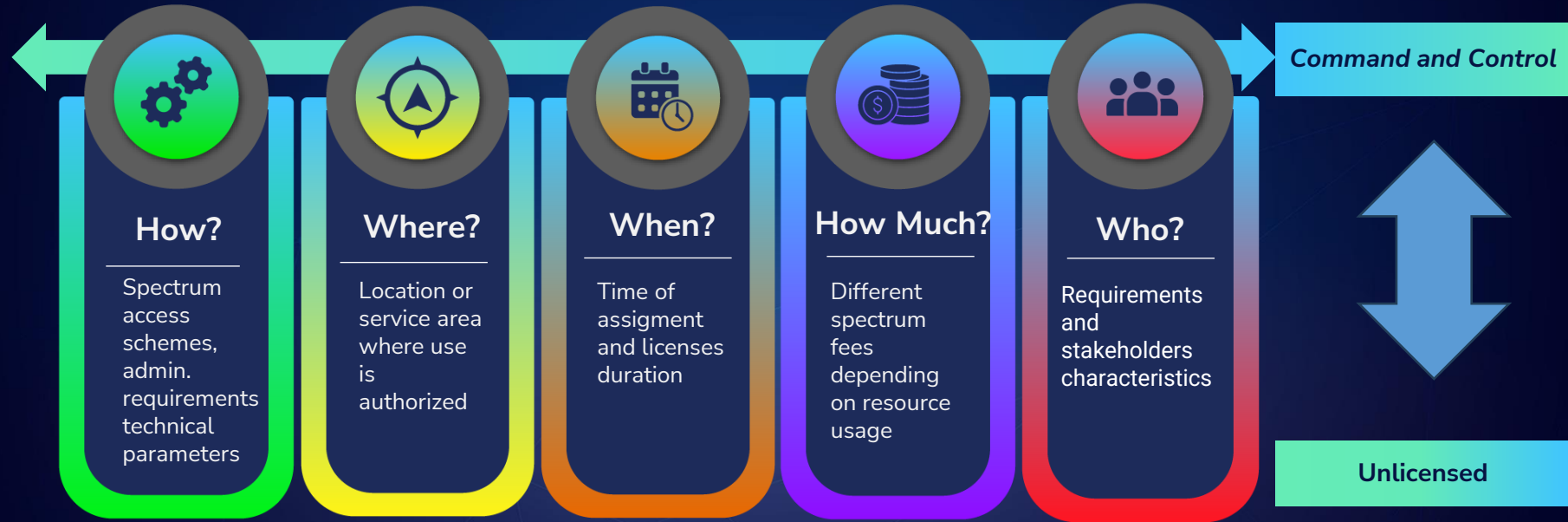


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DSA Summit - 2025

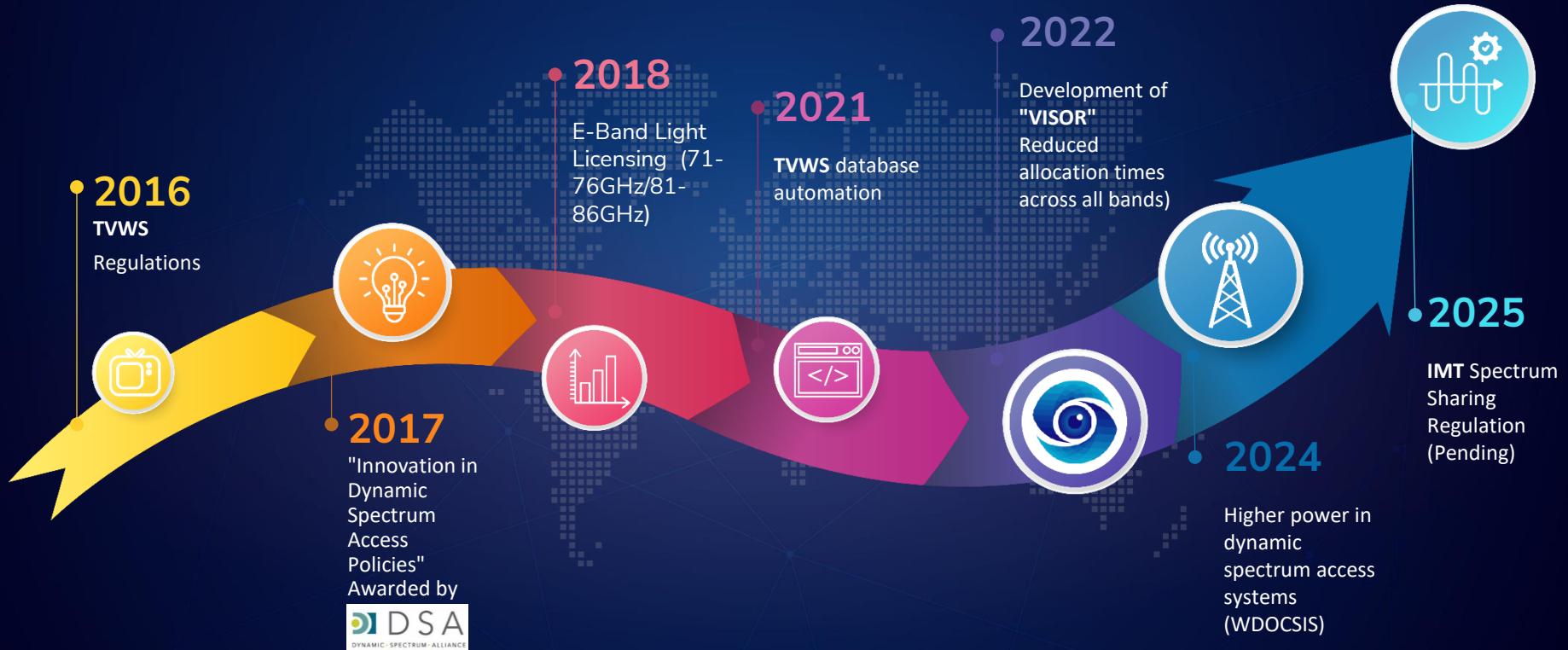
Flexible Spectrum Access Mechanisms



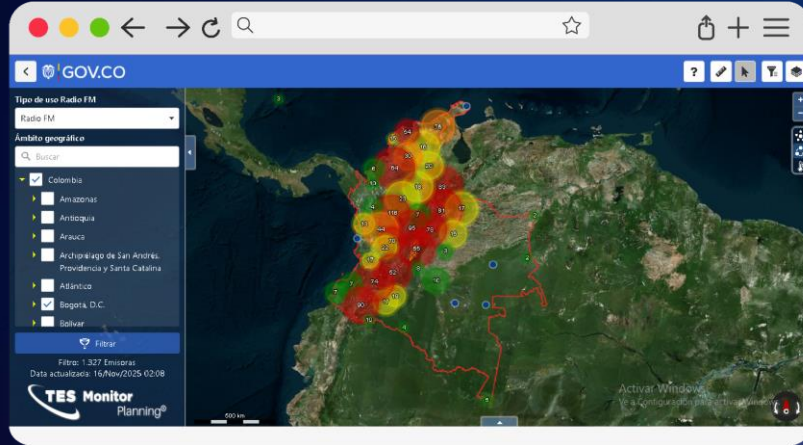
Management model

In recent years, there has been an increase in demand for radio spectrum, which has led some administrators to evaluate spectrum management mechanisms or models, which allow greater agility in its assignment and flexibility in management and control.

Spectrum management in Colombia is becoming more agile and efficient



Accelerated technical feasibility process



<https://espectro-co.ane.gov.co>

Simulation based on technical parameters

- Broadcasting (A.M./F.M.)
- Microwave Links
- Radio Stations providing coverage
- Digital Television Broadcasting
- Earth Stations
- TVWS Channels



Processing time cut
by over 60%



6GHz Band – Unlicensed

1. LPI - Low power indoor



2. VLP - Very Low Power



3. SP - Standard Power



Adapted from **DSA 6 GHz Infographic**, <https://www.dynamicspectrumalliance.org/webinars-infographics/>

2021

Technical analysis

Three types of **WAS** use and unlicensed spectrum needs were identified

2022

Resolution 737 (Indoor)

1200 MHz enabled for indoor **WAS** (LPI)

2023

Coexistence Analysis

Technical conditions were identified to protect incumbent systems from SP emissions

2024

Outdoor Implementation Proposal

Regulations were proposed to enable 1200 MHz for outdoor **WAS** (VLP and SP)

2025

AFC System Evaluation

Evaluation of the optimal AFC deployment strategy.



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