

The Experience of Using Spatial Data in Policy & Programs in Punjab, Pakistan

The Case of Punjab Spatial Strategy

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Commonwealth Sustainable Cities Initiative

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Punjab Spatial
Strategy

*Business
Plan of Punjab*



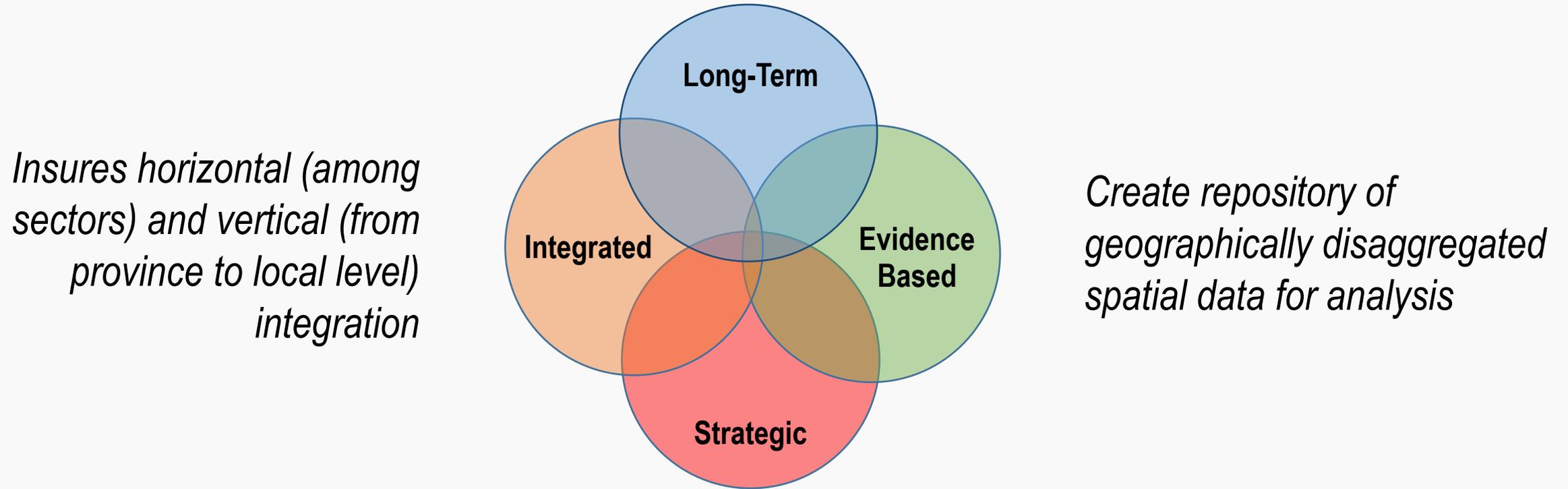
The Urban Unit

Urban Sector Planning & Management Services Unit (PSU) Ltd.



Need to Augment Planning & Development Regime

Set a long-term direction for development for the Province of Punjab

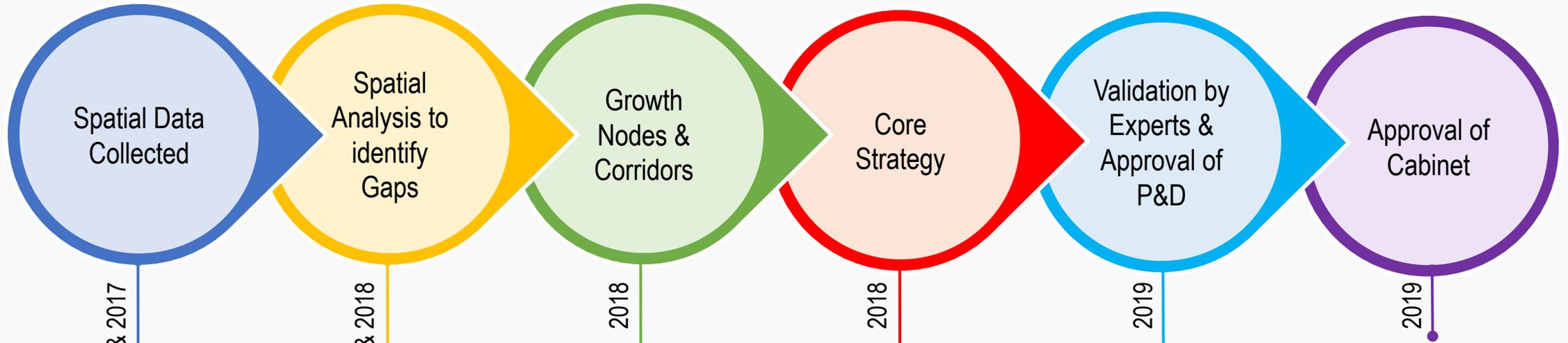


Insures horizontal (among sectors) and vertical (from province to local level) integration

Create repository of geographically disaggregated spatial data for analysis

Look at comparative advantage of regions by enhancing competitiveness of growth corridors

Program Components – Completed



2016 & 2017

2017 & 2018

2018

2018

2019

2019

Geographically disaggregated data was collected and over 140 layers were populated in GIS database of Urban Unit

Nearly 50 different multi-sectoral analysis done with international and national researchers for identification of gaps and determine future spatial priorities

**System of cities & future growth nodes with assessment of Proposed New City Plan
Guiding framework for industrial estates & local development framework**

Core Strategy with spatial, vision, objectives, policies and targets developed with implementation mechanism & 14 technical annexures

Two international and two national experts endorsed the strategy with nearly other 10 sector specific experts

50+
Stakeholder sessions with departments and divisions during data, analysis and strategy development

Evidence-based Planning for Development – Punjab Spatial Strategy



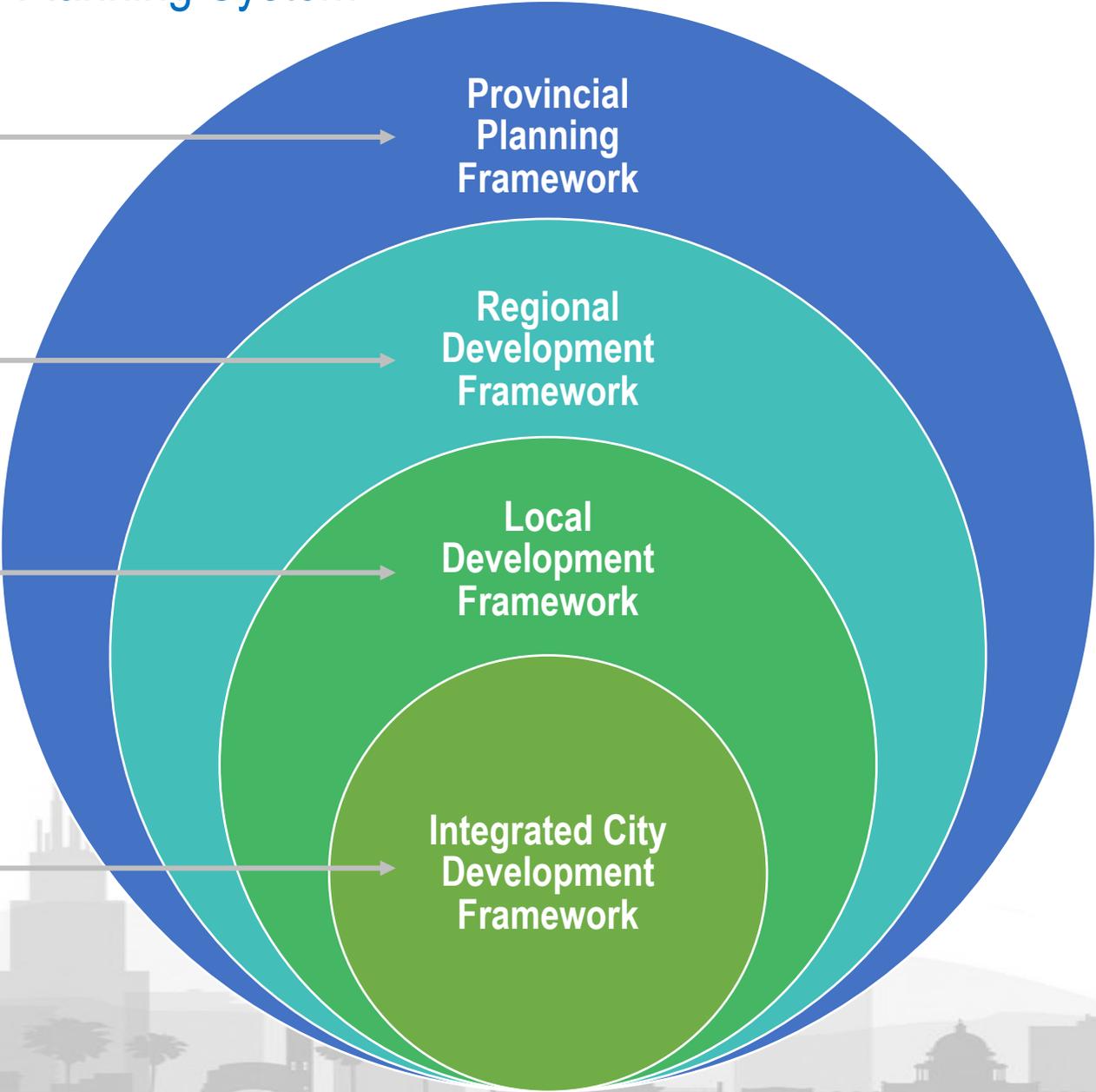
Integrated Planning System

1 Punjab Growth Strategy
Punjab Spatial Strategy

9+36 Regional Spatial
Development Plans
(Division & District)

1+16 Integrated Economic
Planning for Economic Hubs

194+ Master Planning & Zoning for
Urban Areas

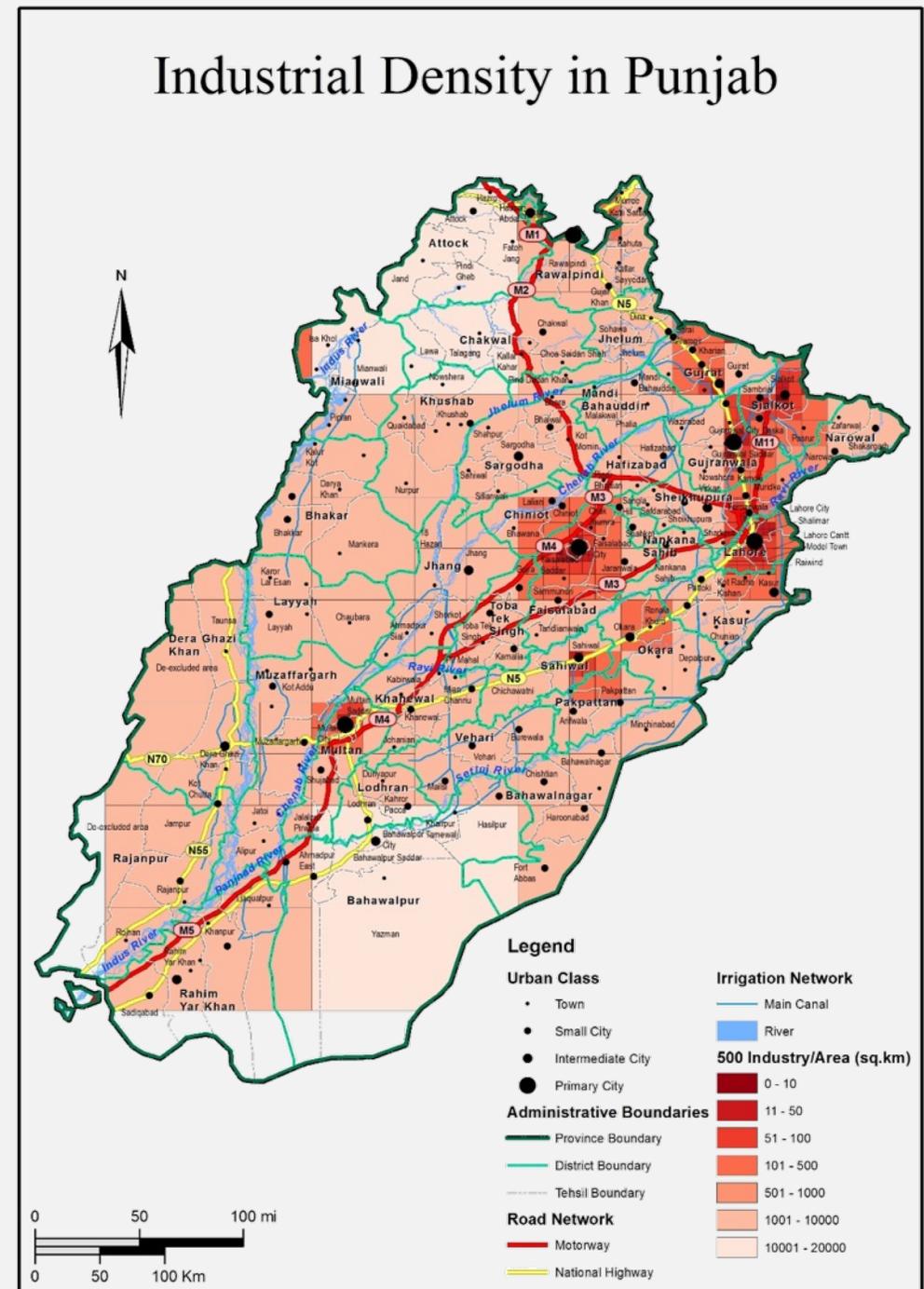


Industrial Development: Issues

95% of the industries in Punjab are located within 2 km of the major roads and highways

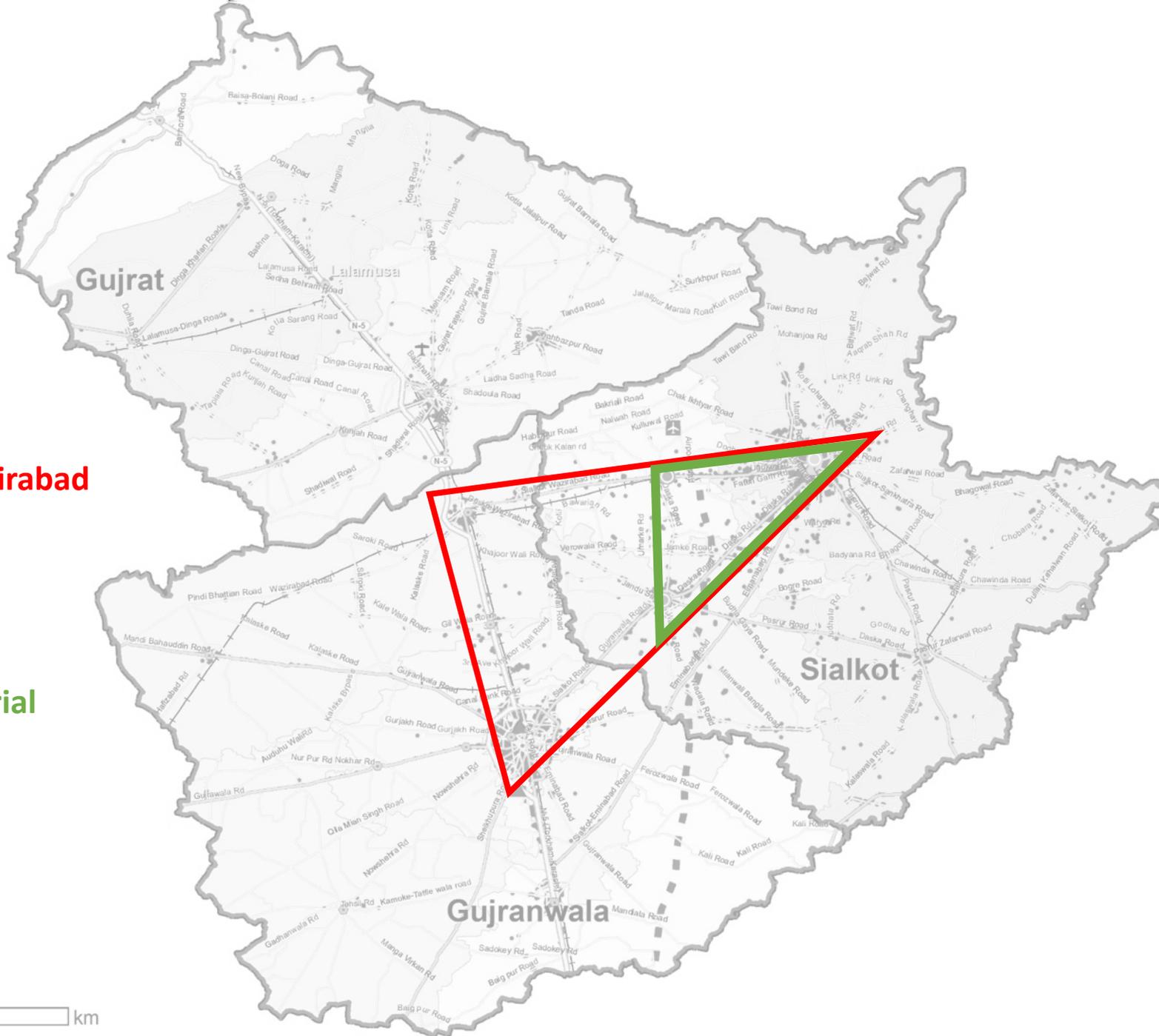
Only 3.5% of industries are within 9 Industrial zones

Only 5% (2,399) of industries are large & medium with little backward linkages to 95% small industries



**Golden Triangle
Gujranwala-Sialkot-Wazirabad**

**Mini-Triangle
Sialkot-Daska-Sambrial**



Existing Spatial Lay Out of Industrial Units

Area in Acres 69,400

Population 417,500

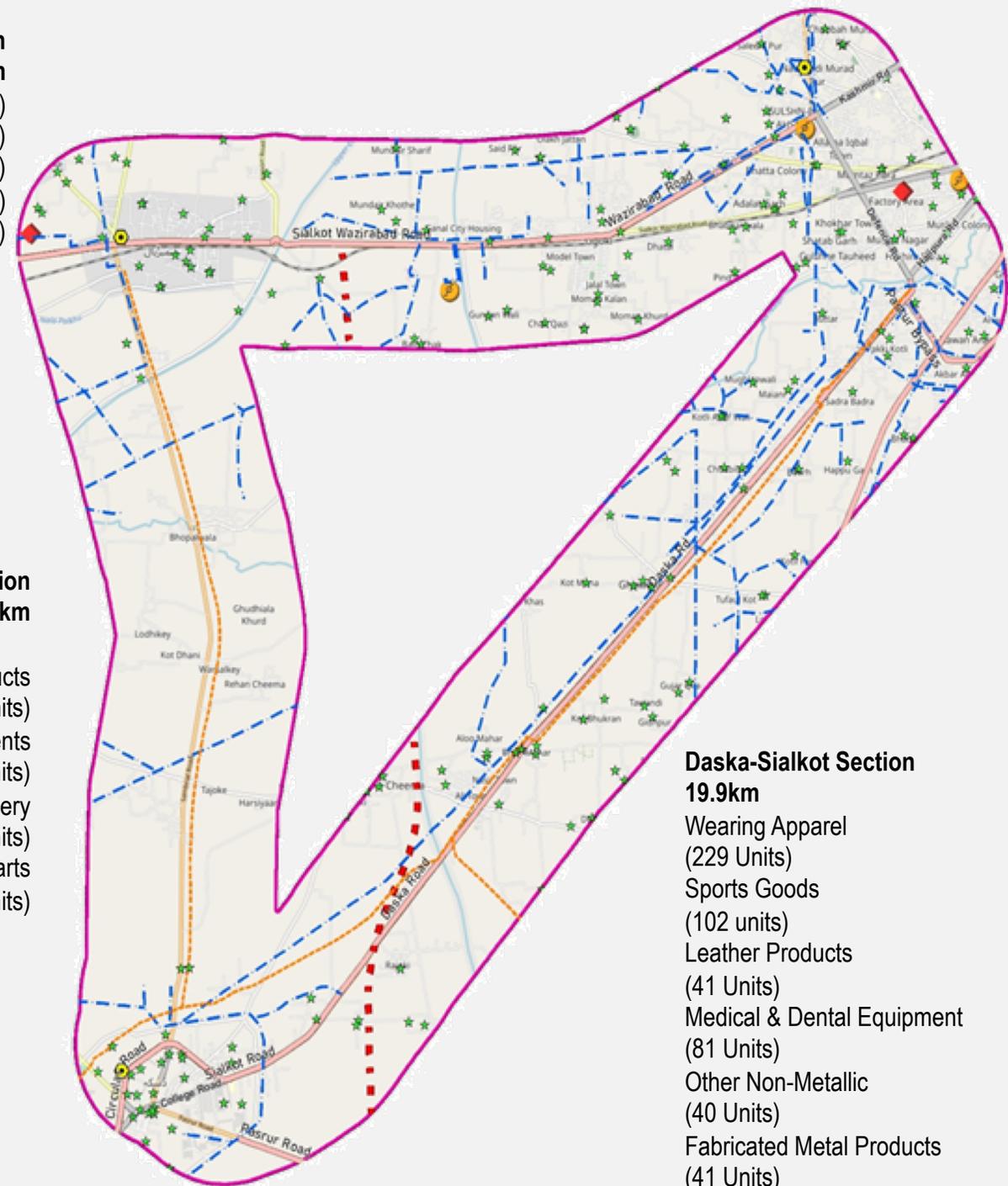
Industries 2,600

Villages & Towns 80+

Sialkot-Sambrial Section
18.7km
 Wearing Apparel (307)
 Leather Product (99)
 Fabricated Metal Product (134)
 Medical & Dental Equipment (542)
 Sports Goods (136)

Sambrial - Daska Section
14.8km
 Fabricated Metal Products (126 Units)
 Medical & Dental Instruments (68 Units)
 Special Purpose Machinery (57 Units)
 Auto Parts (30 Units)

Daska-Sialkot Section
19.9km
 Wearing Apparel (229 Units)
 Sports Goods (102 units)
 Leather Products (41 Units)
 Medical & Dental Equipment (81 Units)
 Other Non-Metallic (40 Units)
 Fabricated Metal Products (41 Units)



Lessons Learned in Using Spatial Data in State Govt.

- Creating interface between domain expertise & spatial data
- Creating interface between law, rules & spatial data
- Creating data sharing mechanisms
- The challenges of scaling up and scaling across
- Finding data and analytical expertise
- How to successfully run a data-oriented project?
- Choice between centralization & decentralization?
- Specialized data organizations?

Thank You