



SDG 监测的新数据源

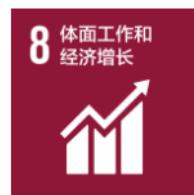
New Sources of Data for SDG Monitoring

International Workshop on Sustainable Development Goal Indicators
Beijing
28 June 2018

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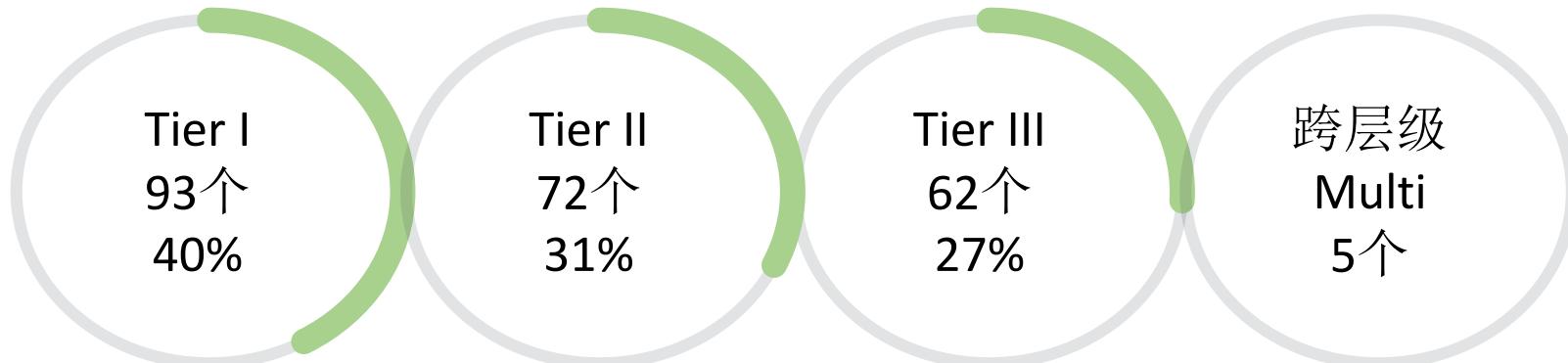


富有雄心 覆盖广泛的可持续发展目标 Forward Looking and Ambitious SDGs

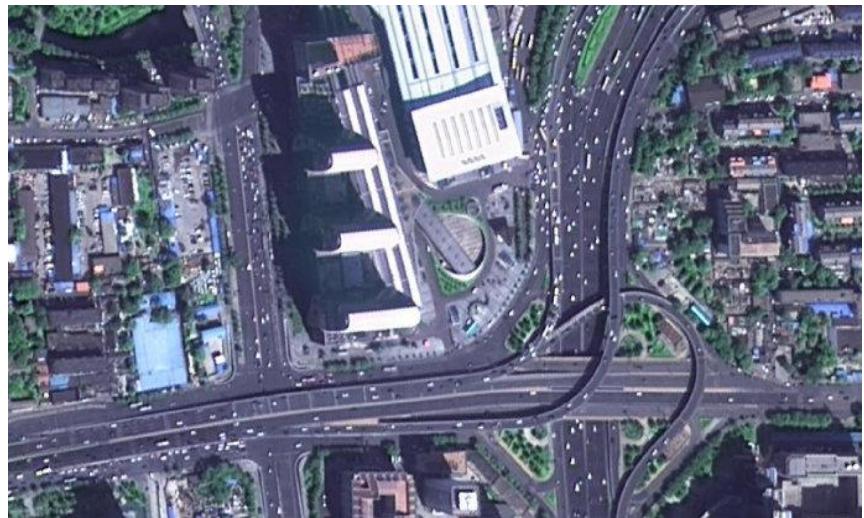


现有指标数据难以满足需求。

The existing data sources cannot meet the demand.



新的数据源—地理信息 New Data Source--Geographic Information



地理空间信息工作组 IAEG-SDGs: WGGI



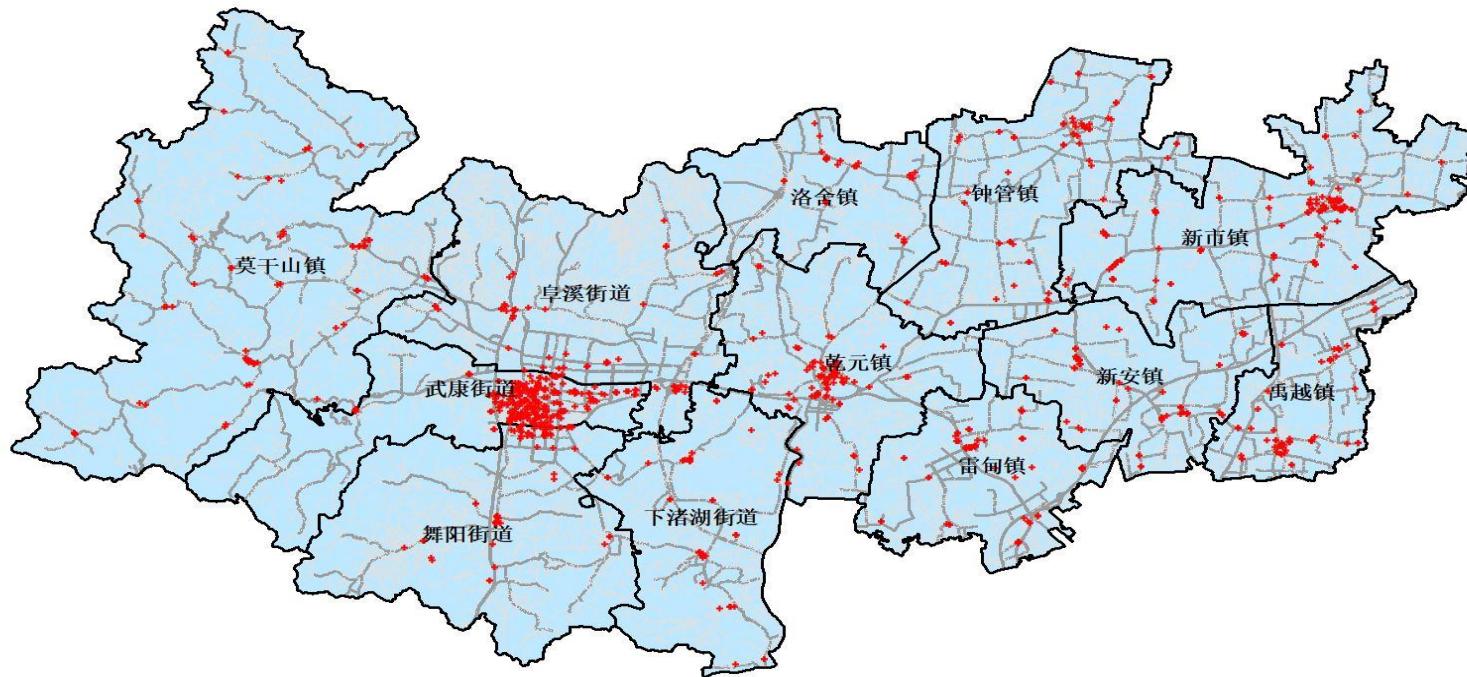
UNITED NATIONS
WORLD GEOSPATIAL
INFORMATION CONGRESS

Deqing, Zhejiang Province, China
19-21 November 2018



9.1.1 居住在全季公路2公里以内的农村人口的比例 9.1.1 Proportion of the rural population who live within 2 km of an all-season road

道路与人口分布图
Road and Population Distribution Diagram



注：第6-12页图片来源于陕西师范大学白建军教授研究成果。

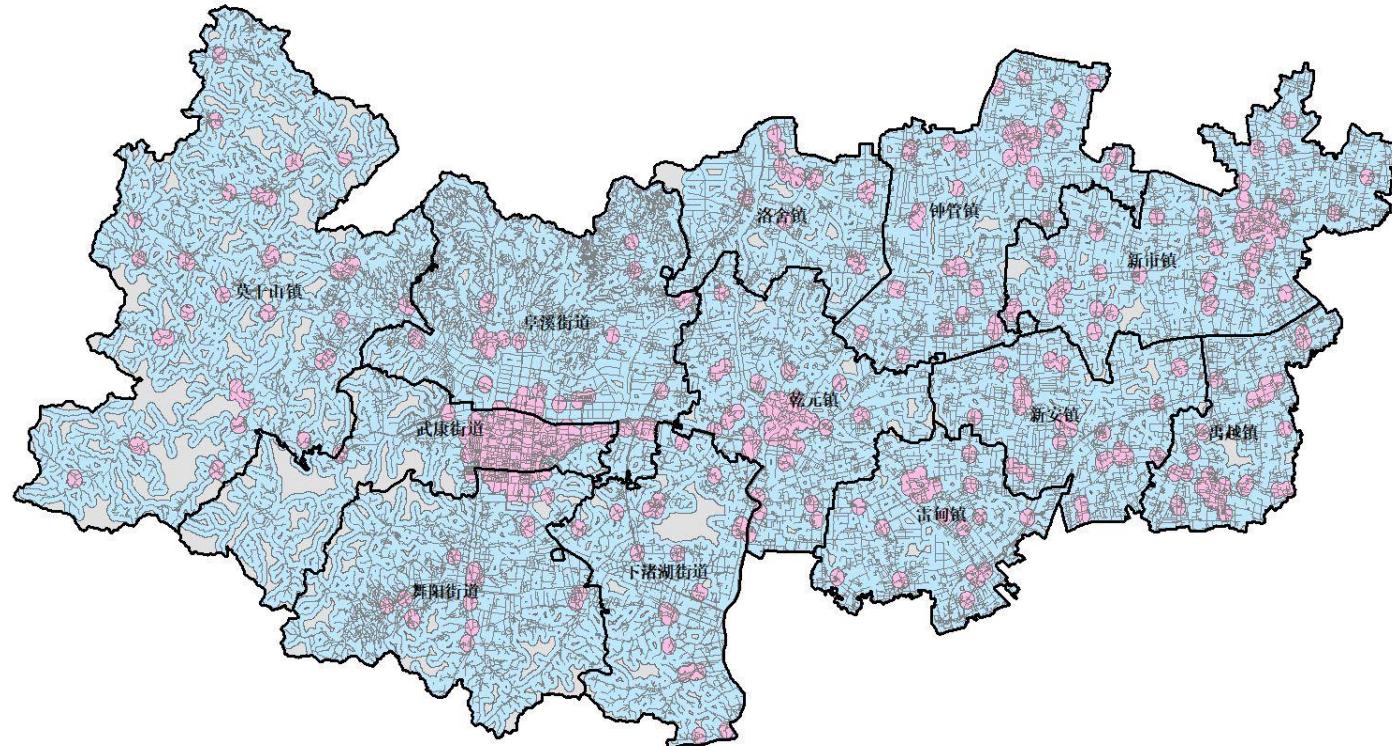
Note: The pictures on Page 6-12 come from the research of Professor Bai Jianjun from Shaanxi Normal University.





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分析结果图 Analysis Result Diagram



9.1.1 居住在全季公路2公里以内的农村人口的比例

9.1.1 Proportion of the rural population who live within 2 km of an all-season road

指标9.1.1

概念解析
Concept Analysis
• 指标含义

所需数据分析
Data Analysis
• 人口数据
• 道路数据

多源数据收集 Data Collection

空间数据
Geospatial Data
• 行政区划图
• 全县道路矢量图
• 居民点分布图

统计数据
Statistical Data
• 各村人口数

数据预处理 Data Preprocessing

- 统一空间数据坐标系
- 错误数据删补
- 道路选择与删减

指标评价 Evaluation

居民出行便捷程度
道路建造合理性

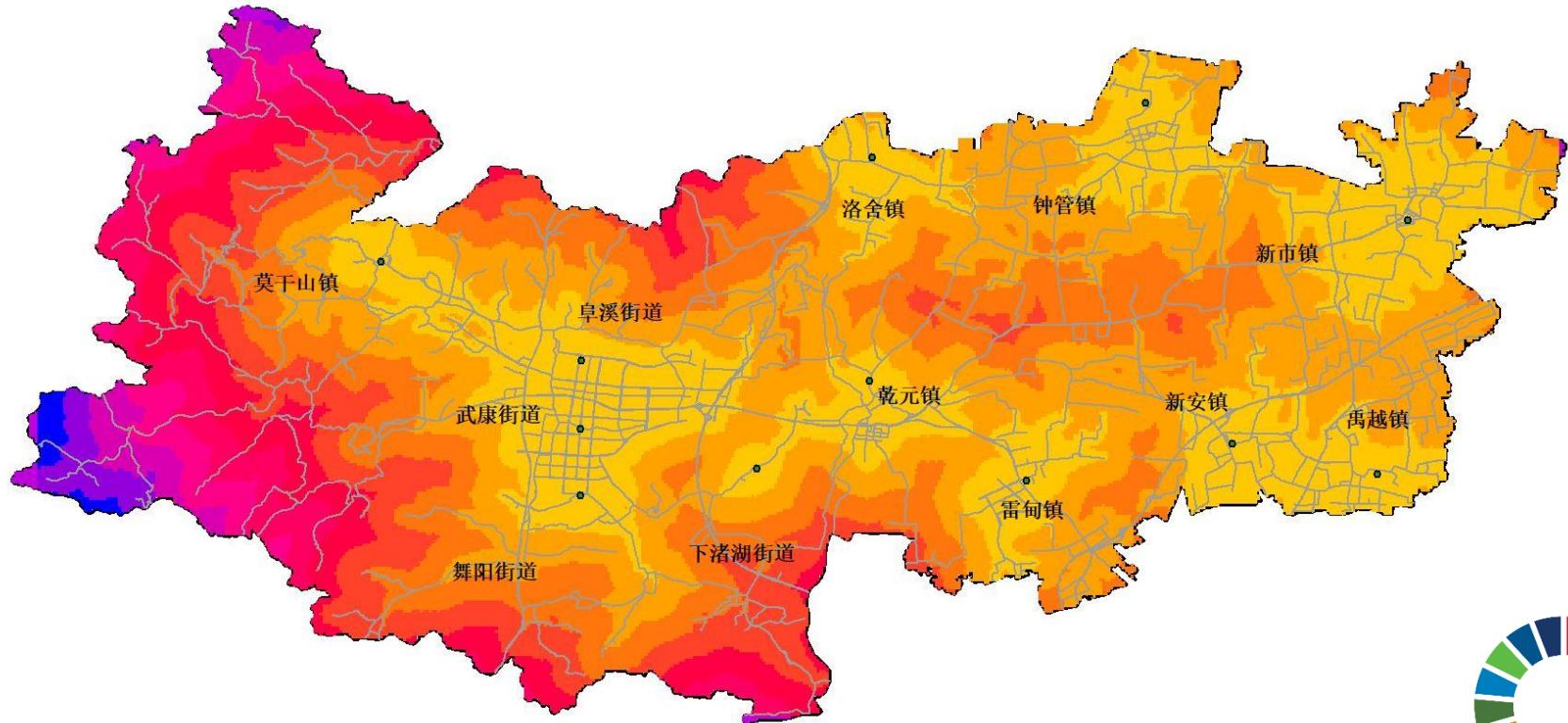
指标计算 Calculation

- 将人口数据按比例分配到各居民点，并分别计算密度
- 道路数据制作缓冲区
- 道路缓冲区与人口空间数据叠置分析
 - 重叠部分将人口密度转化成人数
- 制图



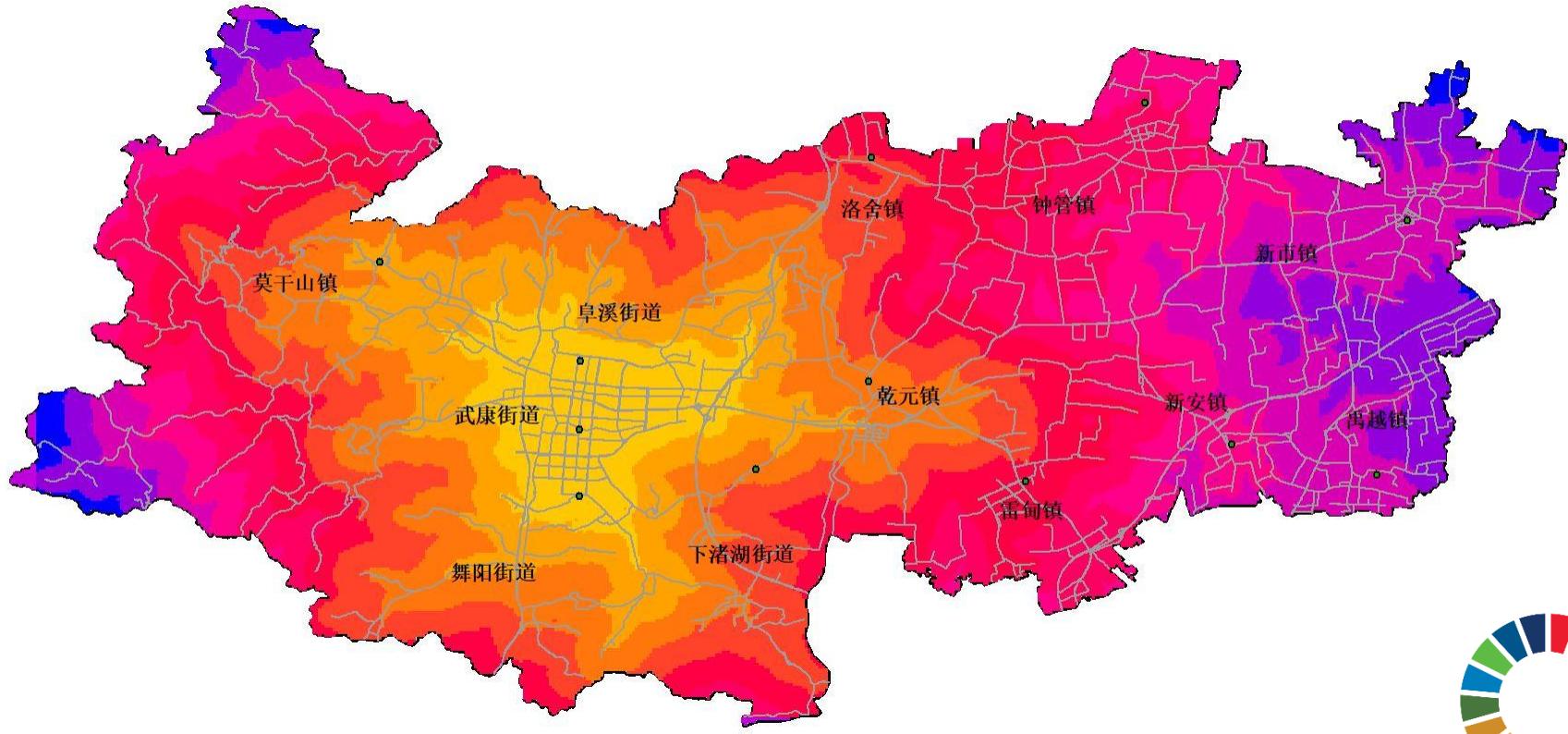
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交通可达性 Transportation Accessibility

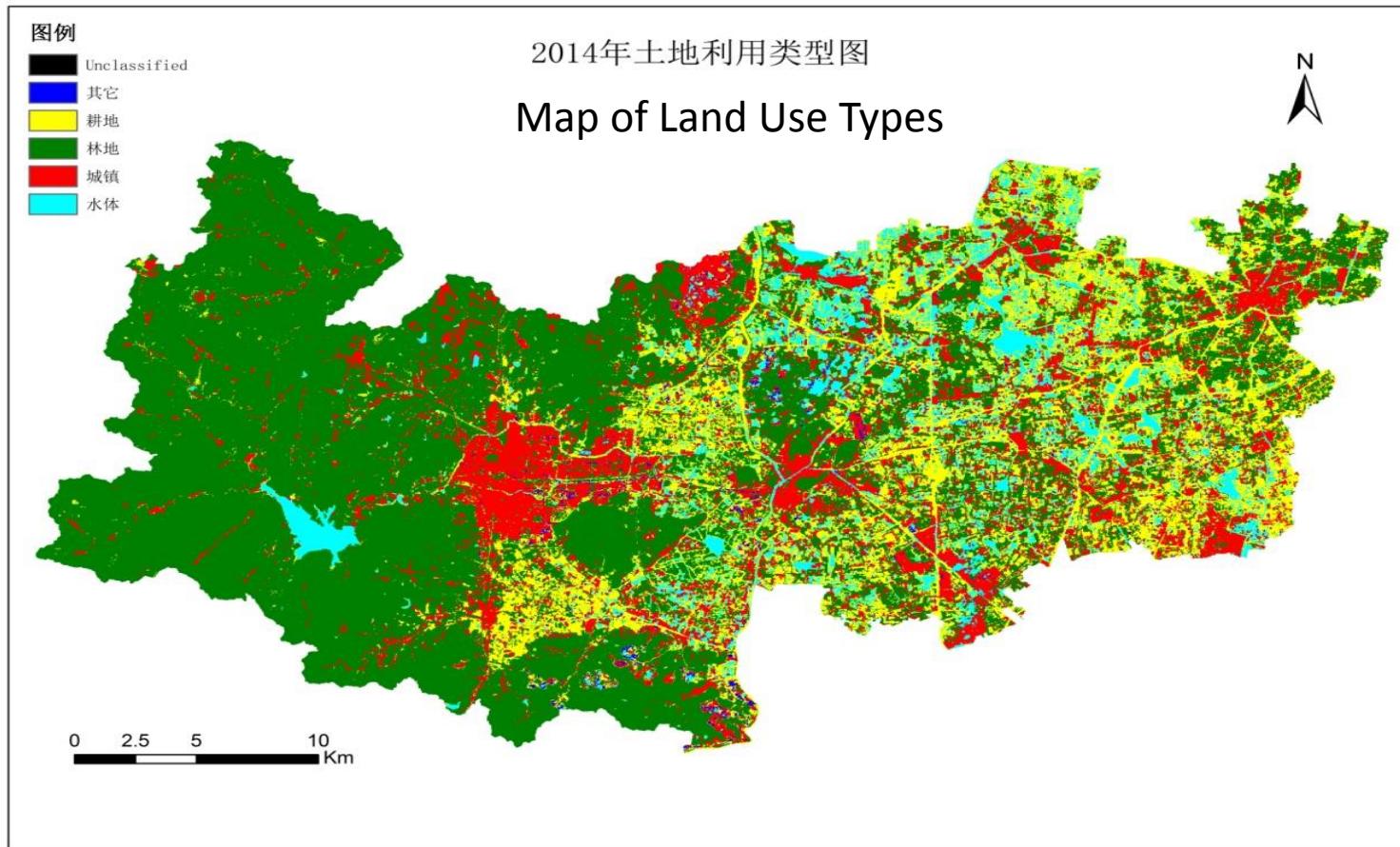


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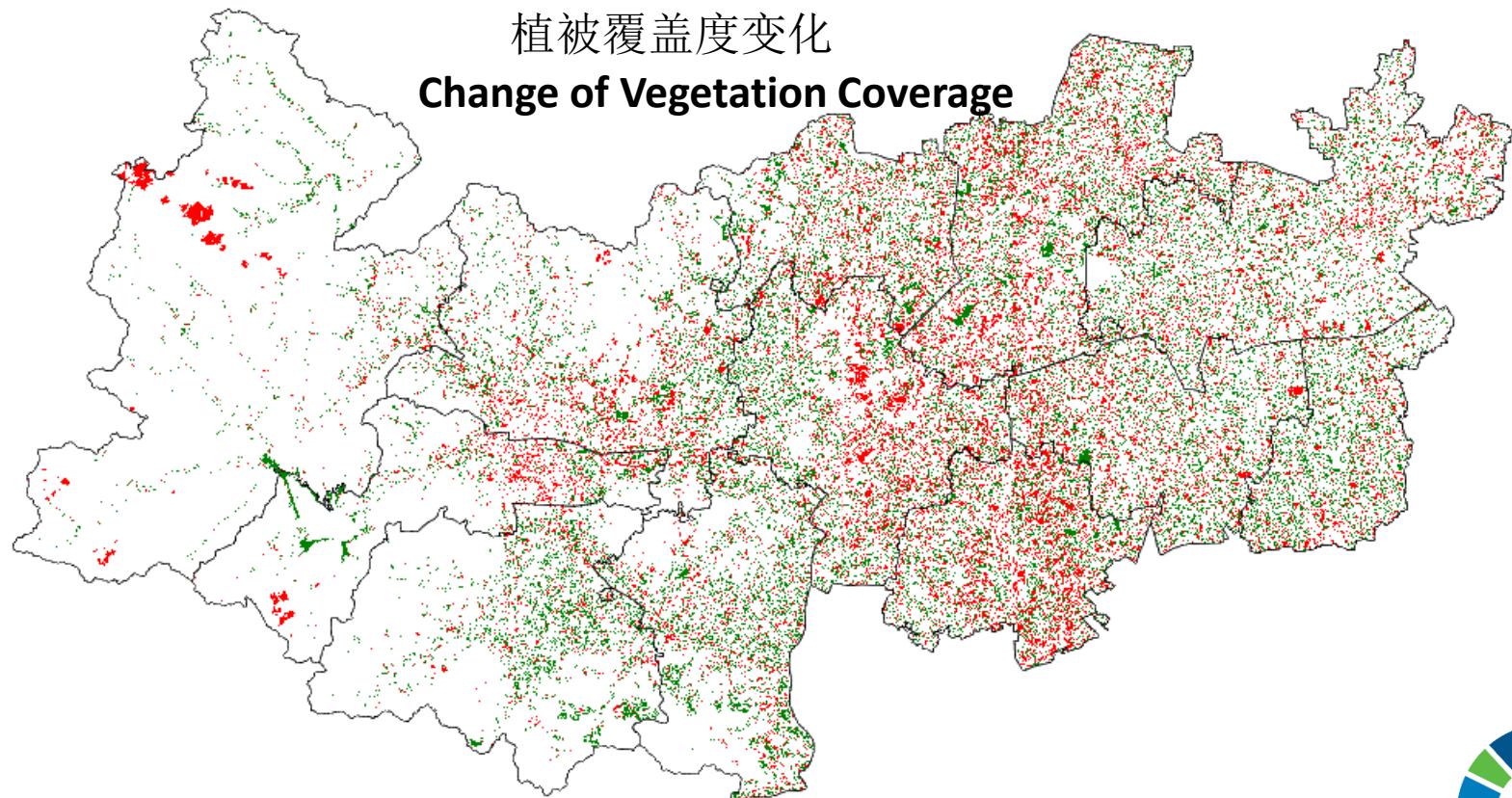
单中心等时圈 Isochrone



15.3.1 已退化土地占土地总面积的比例 15.3.1 Proportion of land that is degraded over total land area

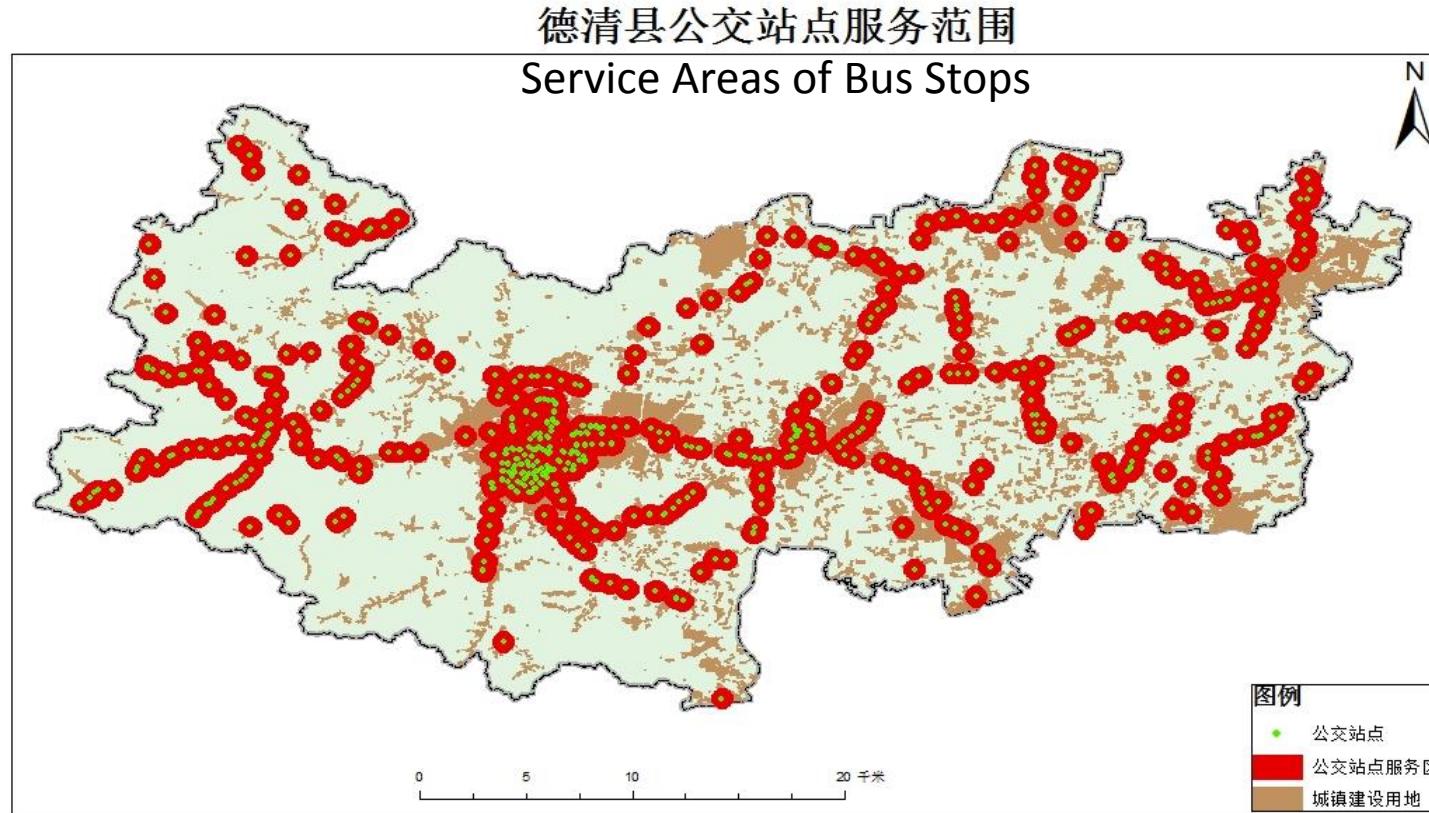


15.3.1 已退化土地占土地总面积的比例 15.3.1 Proportion of land that is degraded over total land area



11.2.1 可便利使用公共交通的人口比例

11.2.1 Proportion of population that has convenient access to public transport



注：第13-16页图片来源于北京建筑大学杜明义教授研究成果。

Note: The pictures on Page 13-16 come from the research of Professor Du Mingyi from Beijing University of Civil Engineering and Architecture.

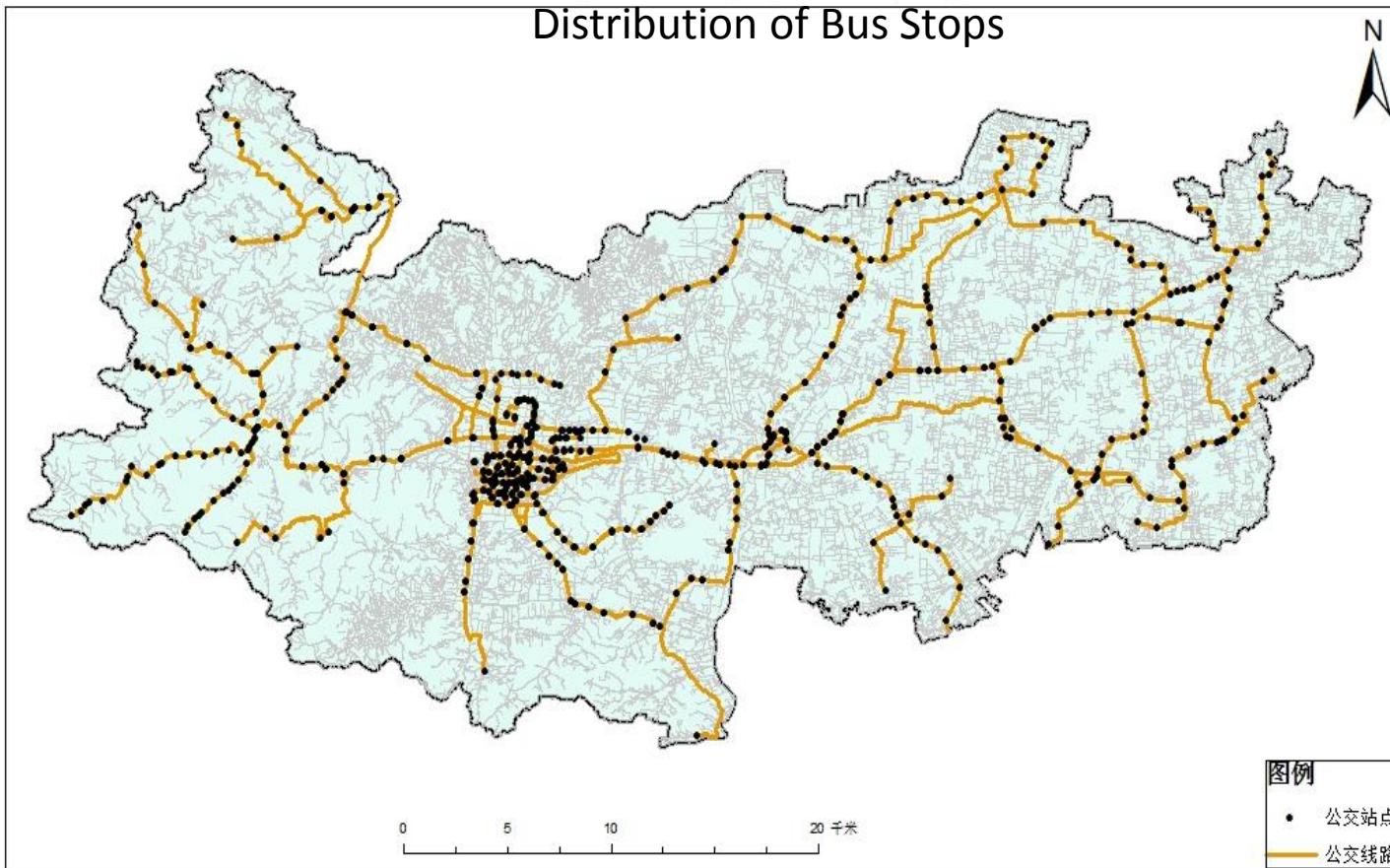


11.2.1 可便利使用公共交通的人口比例

11.2.1 Proportion of population that has convenient access to public transport

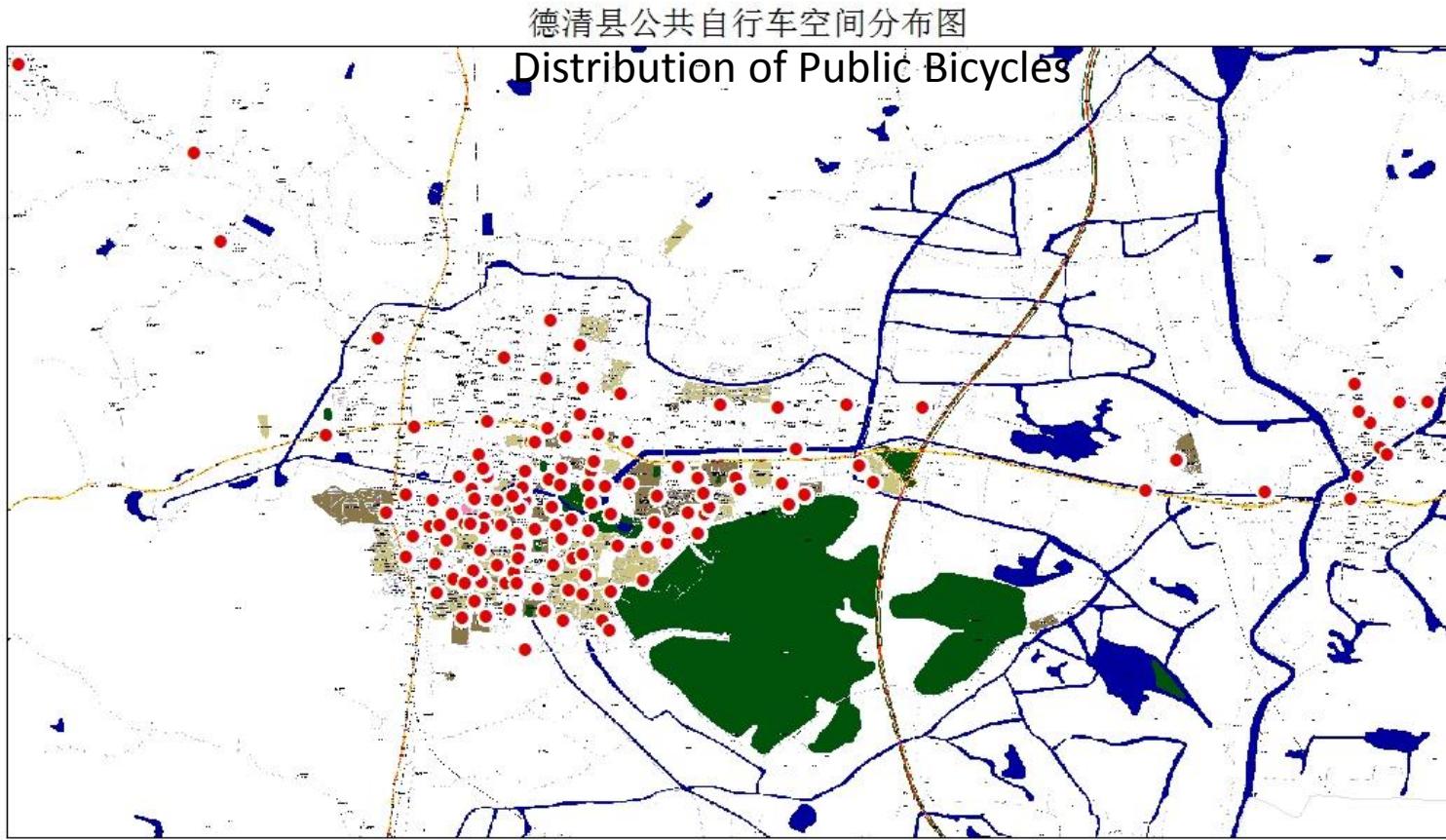
德清县公交路线及站点分布图

Distribution of Bus Stops



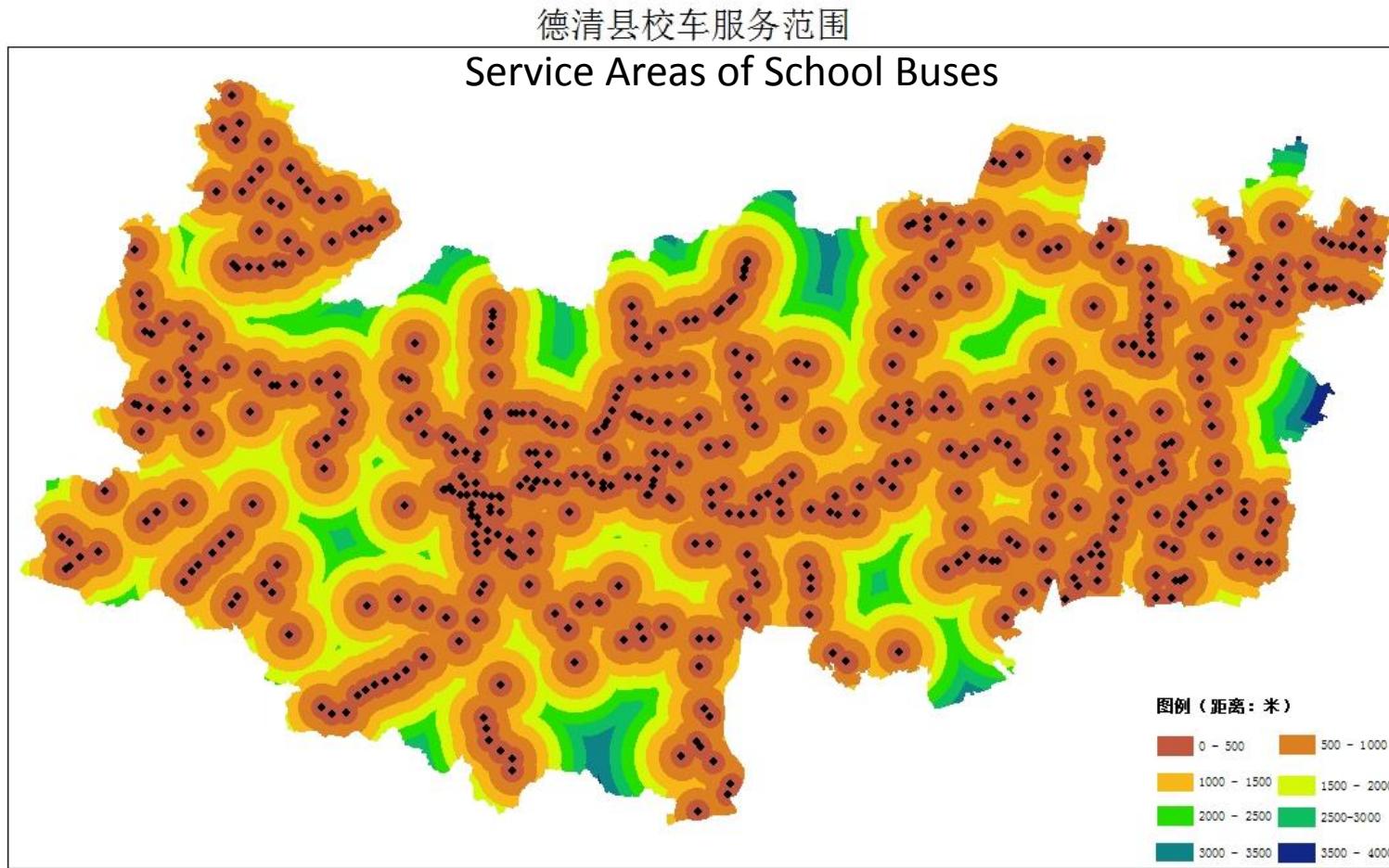
11.2.1 可便利使用公共交通的人口比例

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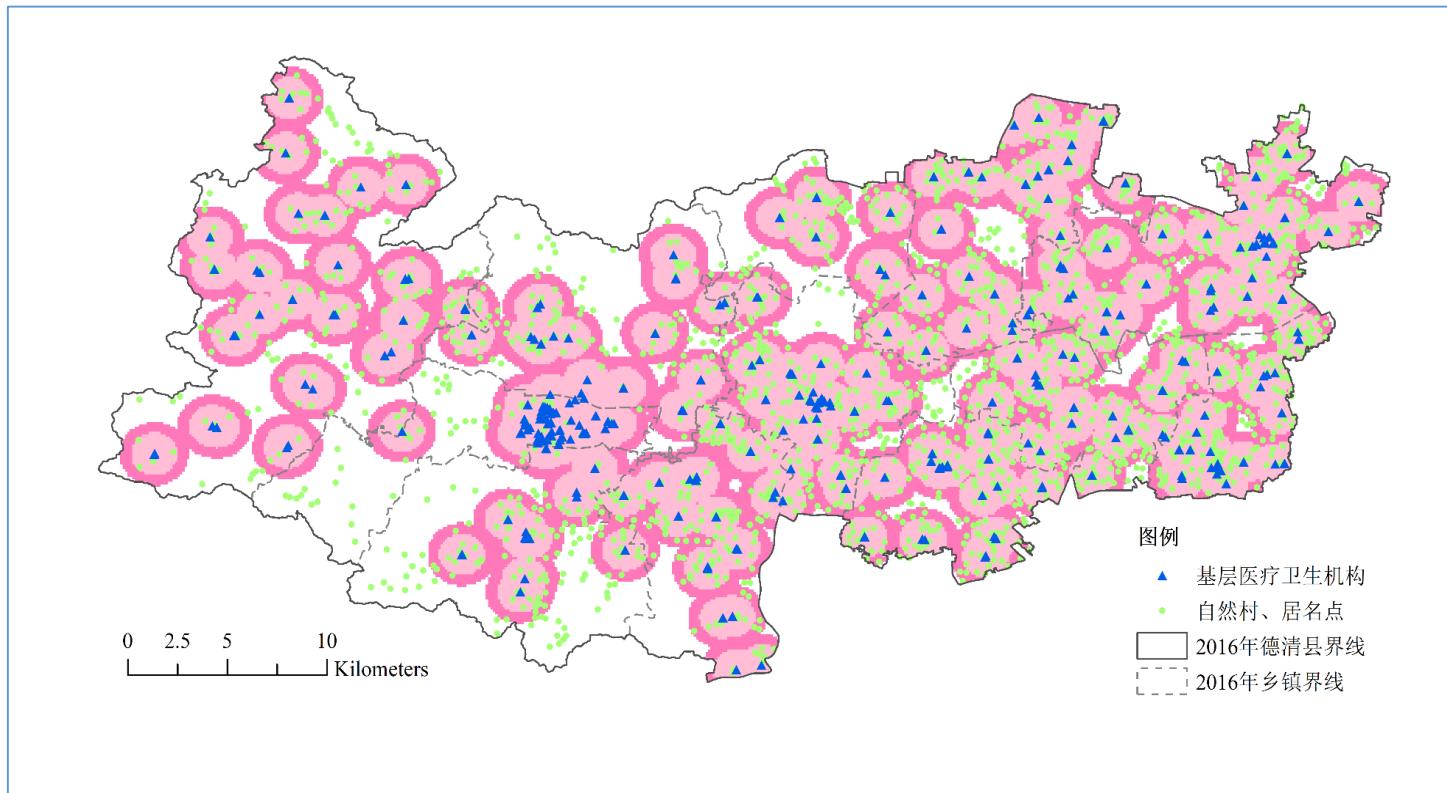


11.2.1 可便利使用公共交通的人口比例

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3.8.1 基本保健服务的覆盖面 3.8.1 Coverage of essential health services



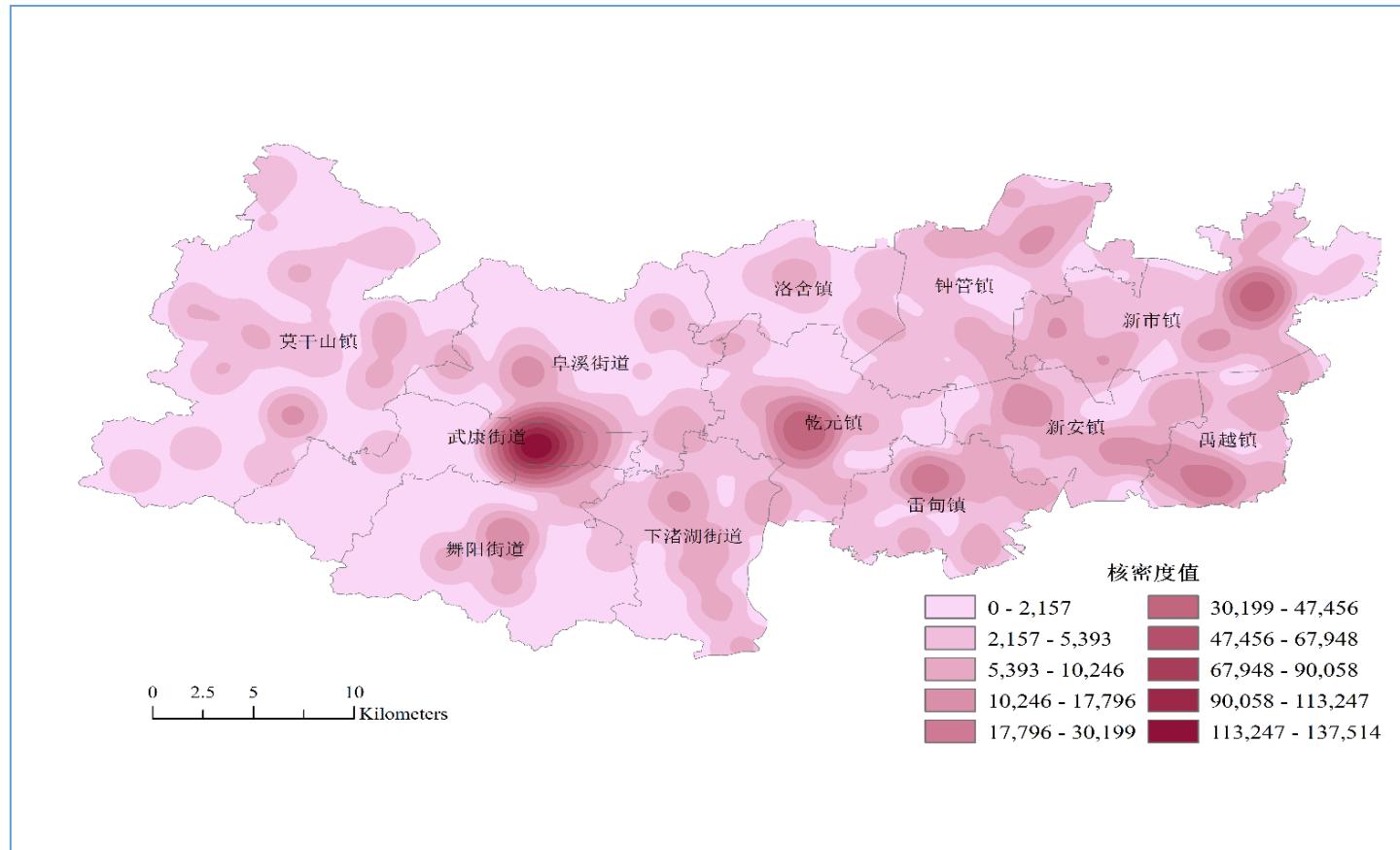
注：第17-18页图片来源于北京矿业大学赵学胜教授研究成果。

Note: The pictures on Page 17-18 come from the research of Professor Zhao Xuesheng from China University of Mining and Technology-Beijing.





3.8.1 基本保健服务的覆盖面 3.8.1 Coverage of essential health services



谢 谢!
Thank you !

