

Understanding and Simulating Spatially Explicit Global Urban Expansion in the Context of Climate Change

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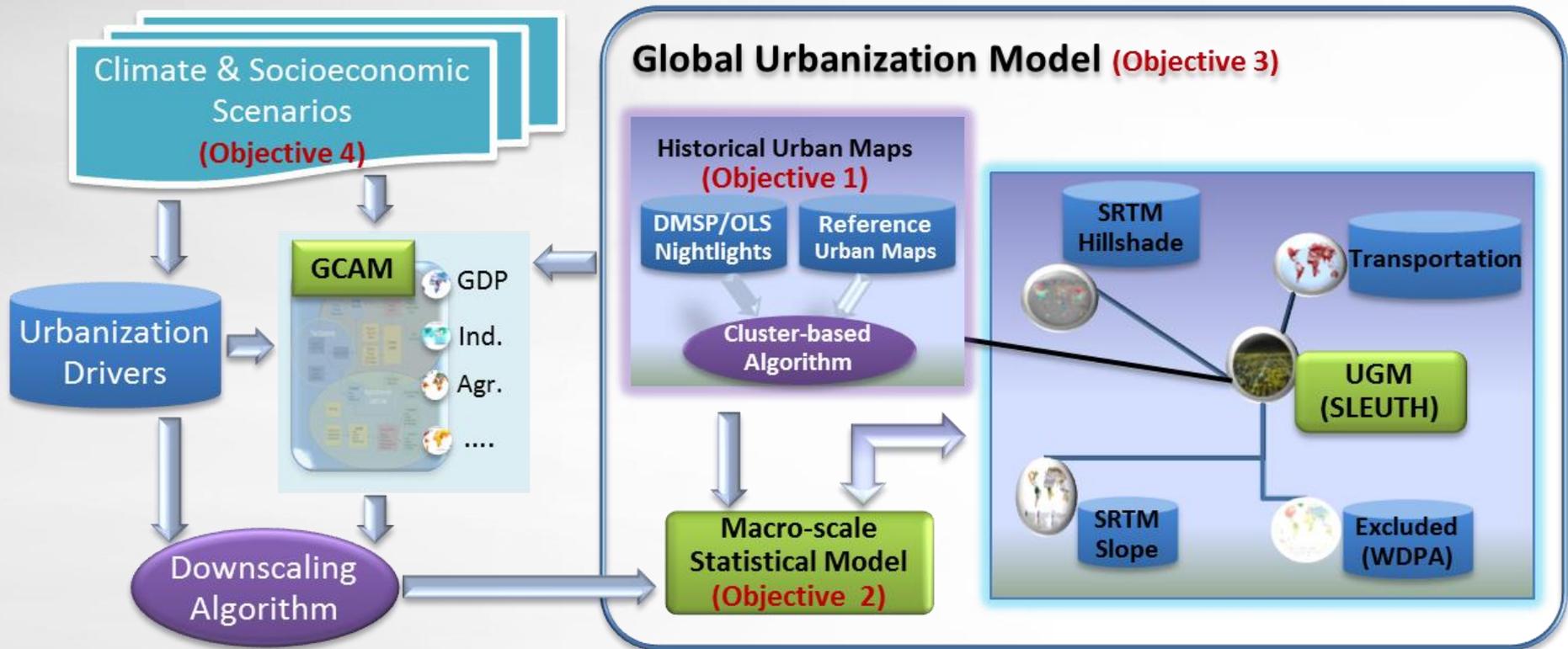
Overview

Objective 1: A consistent global urban map series

Objective 2: A region-specific macro-scale statistical model

Objective 3: An integrated framework to project urban expansion

Objective 4: Future urbanization scenarios and the implications



Current Progress

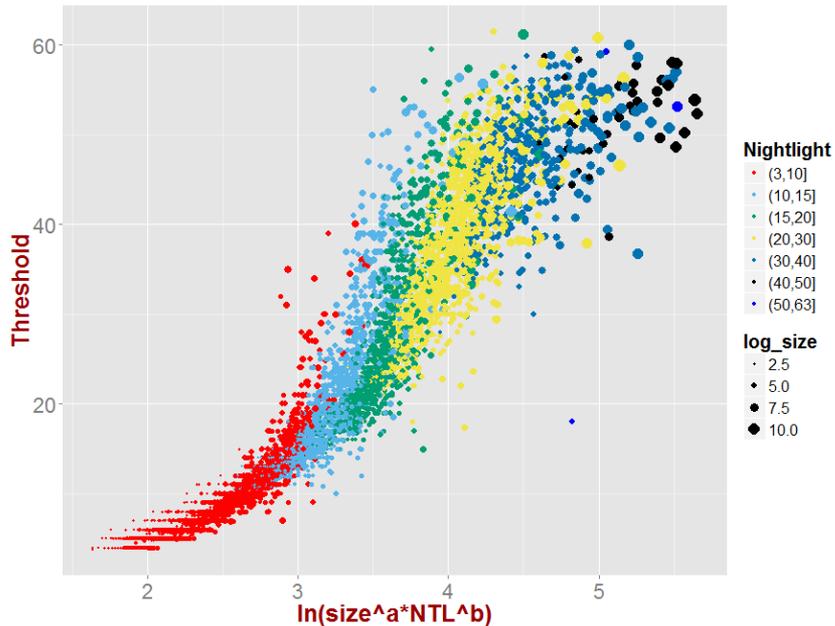


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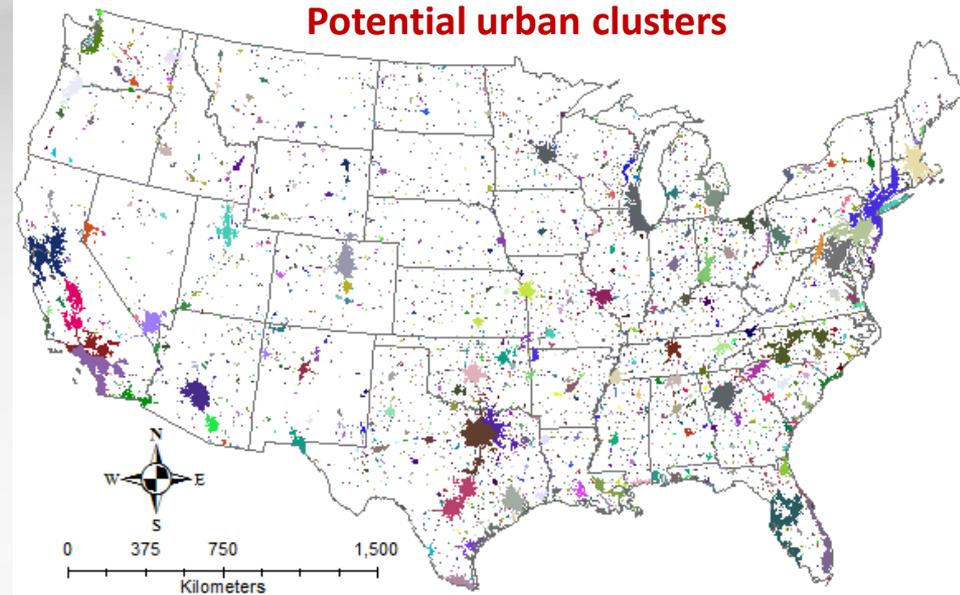
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1. Data Preprocess
 2. Urban Clusters Segmentation
 3. Logistic Model
 4. Thresholds Estimation
 5. Urban Extent Delineation

Relationship between thresholds and cluster size and NTL mean



Potential urban clusters



Urban extent derived from NTL in 2006

