



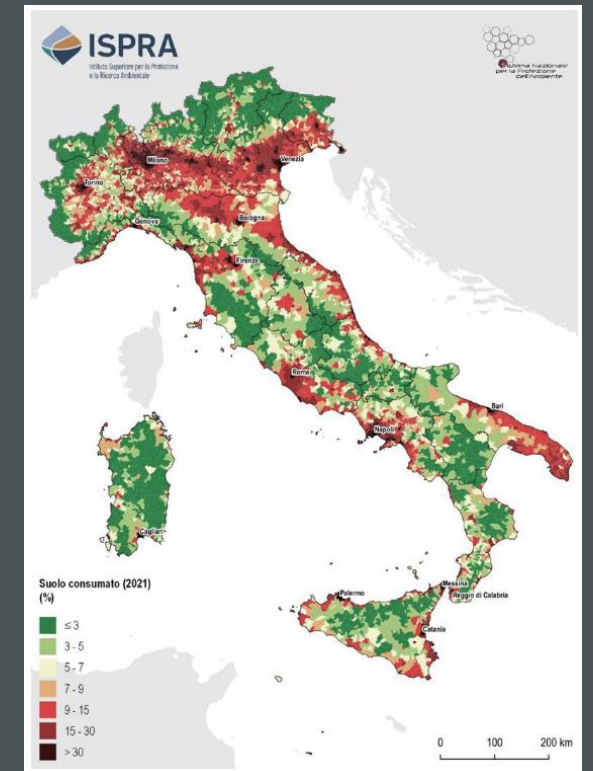
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SOIL DESEALING AND CLIMATE CHANGE ADAPTATION IN URBAN REGENERATION PRACTICES

SOIL SEALING AND CLIMATE CHANGE ADAPTATION

- In the last century, climate change led to phenomena such as the Urban Heat Island (UHI) and floods in urban areas
- Causes can be found, among the other anthropic activities, in the uncontrolled growth of cities, with the consequent soil sealing and loss of ecosystemic services and functions
- In the current Italian legislation, the focus is put on land take control, whereas soil sealing is addressed only in the most recent regional frameworks (e.g. L.R. 14/2017 Emilia-Romagna)



ISPRa elaboration based on SNPA cartography

GOALS OF THE RESEARCH

- **Pursue** cities' and communities' adaptation to climate change, thus reducing its related risks in urban areas
- **Investigate** criteria and strategies to successfully implement soil desealing actions in urban regeneration practices and urban planning (developing knowledge frameworks as well as evaluating the actions' costs and benefits)
- **Define** criteria to favour public participation in climate change adaptation strategies



Focus on the medium-sized Italian city