Interdisciplinary Project
Big Data Analytics

InstantCITY

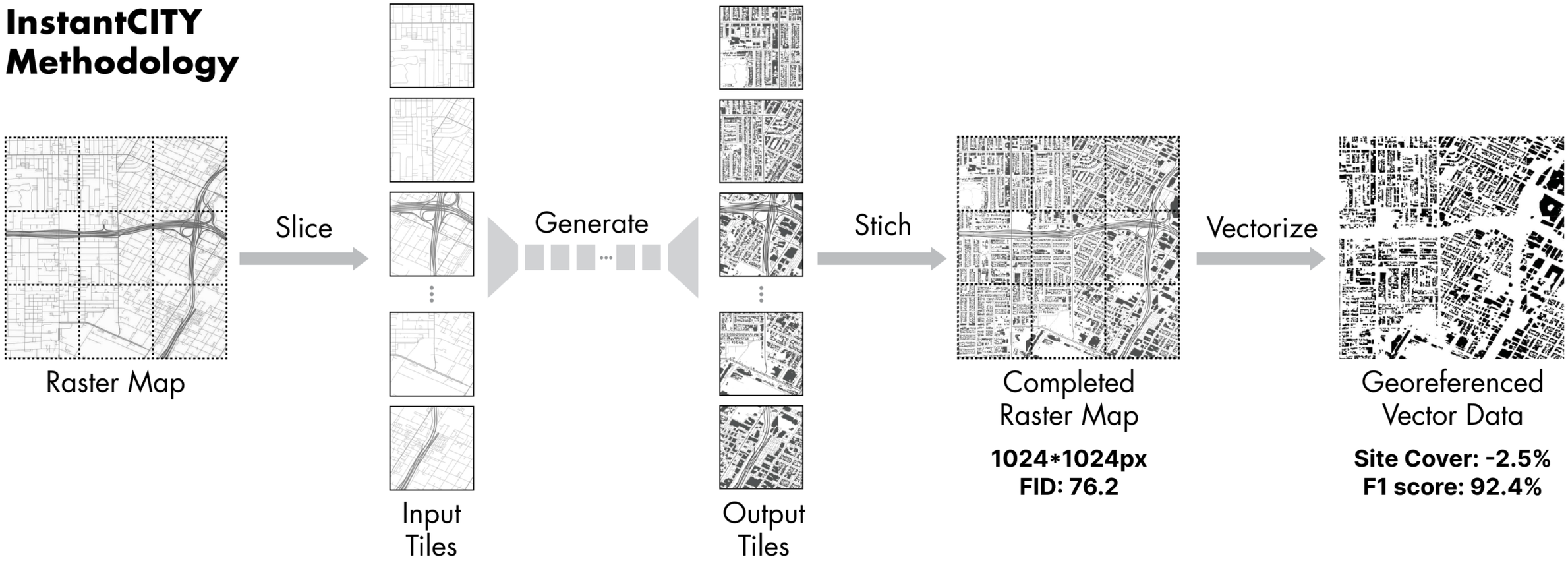
Group 1
Fabian Bloch & Christopher Mahn
HafenCity University Hamburg

Introduction

- datasets are mostly collected using a variety of methods
  e.g. surveying, remote sensing, mobile mapping and crowdsourcing
- such datasets are more abundant than ever
  ⇒ their quality can still vary dramatically (e.g. OSM data)
- paper intoduces InstantCITY
  a new GDT method that can generate up higher resolution results and accurate vector representations
  multiple use cases

Methodology

- https://github.com/ualsg/InstantCITY



Approach - Goal

- clone repository
- getting to work this
- generate random street data
  - apply GAN on that data
- use streets of a new planned city district
  - apply GAN on city district
  - compare our data to real data

(if buildings exists)

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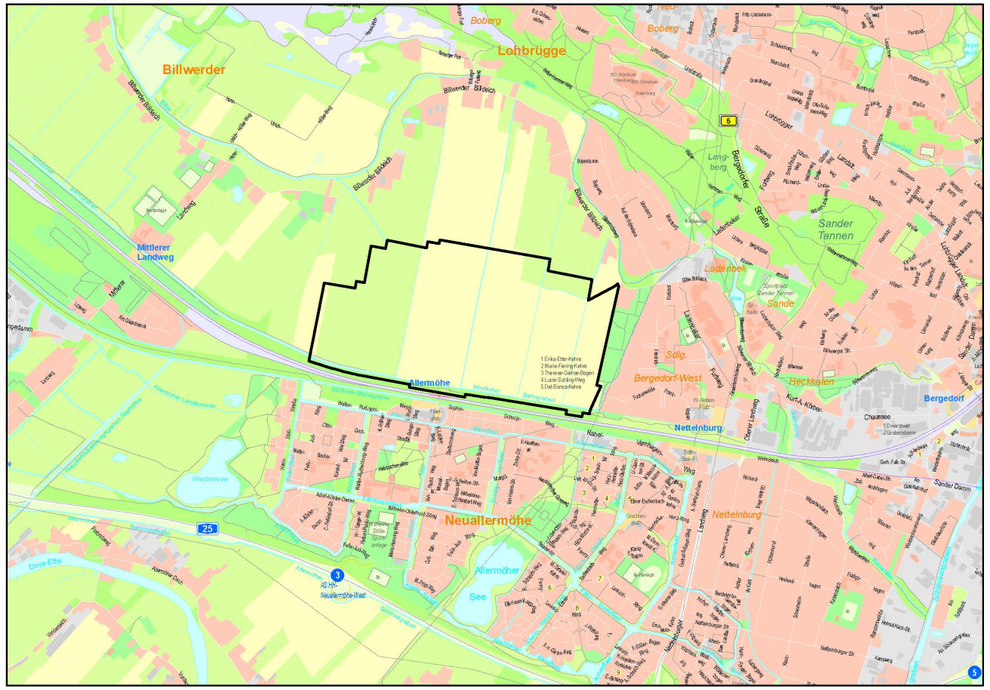

Example Oberbillwerder

`https://www.hamburg.de/bergedorf/bebauungsplaene/14474896/lo95/`

New repository

HafenCity Universität Hamburg

- our repository can be find on:
  `https://github.com/c-mahn/InstantCITY`