

# Mixing RIBs for Pompeii



Stupid RAT Trick

Pixar User Meeting  
SigGraph 2006  
Boston

Simon Haegler  
ETH Zurich

# Goal

- Animated reconstruction of Pompeii
- Grow buildings by adding detail



# Pompeii

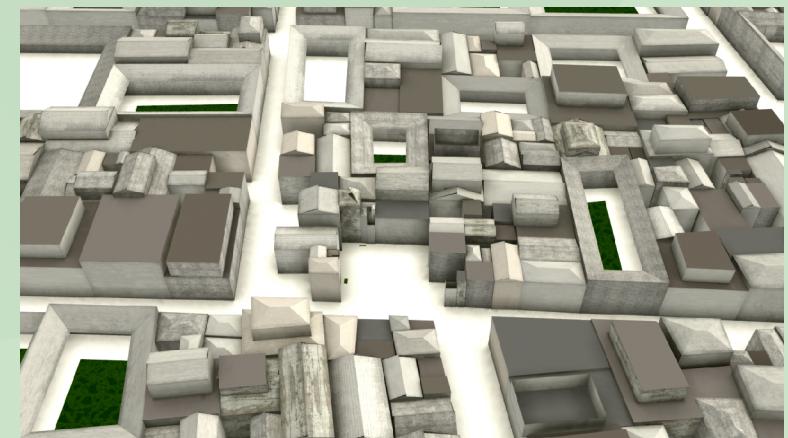
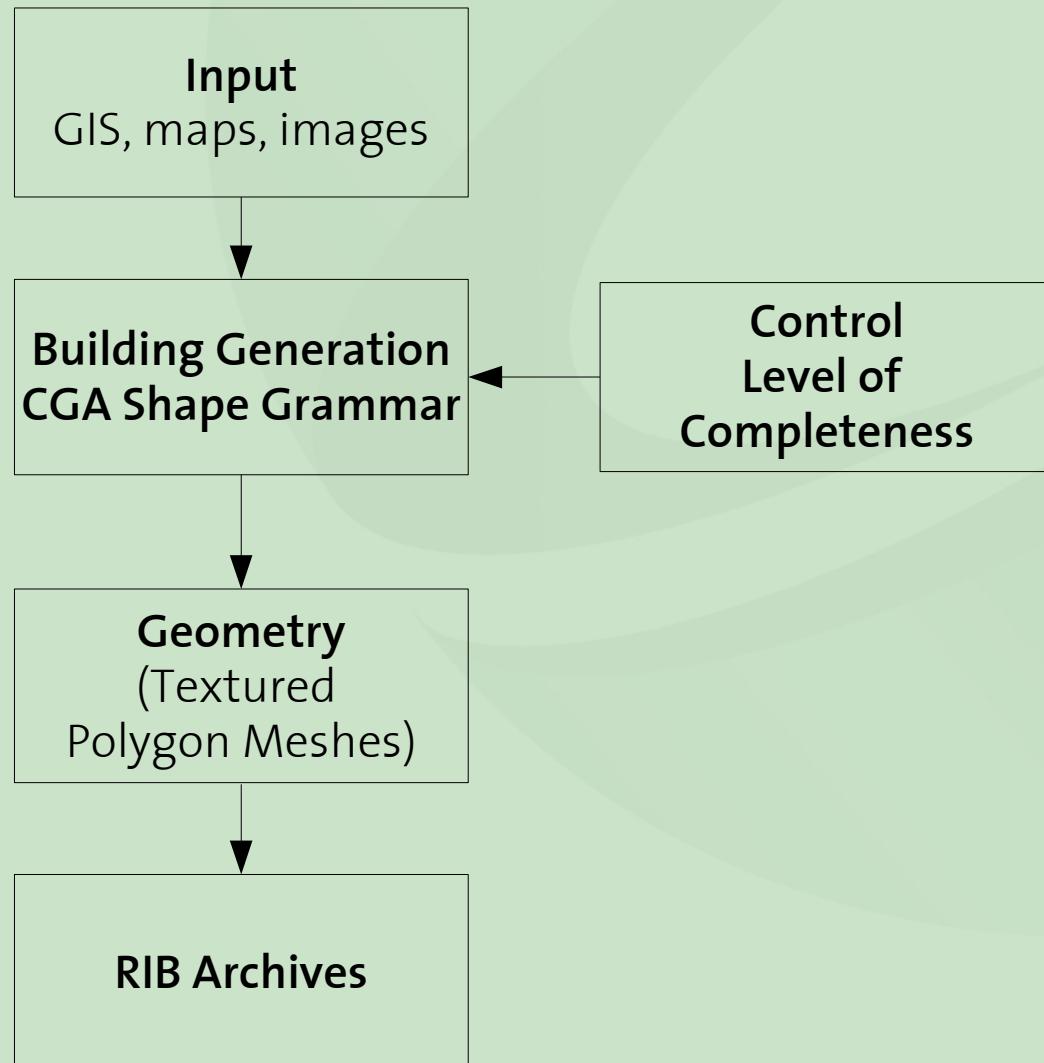
- Ancient Roman city
- Located near Naples, South Italy
- Founded 6<sup>th</sup> century BC
- Destroyed by volcano Vesuvius in 79 AD
- ~ 8500 buildings



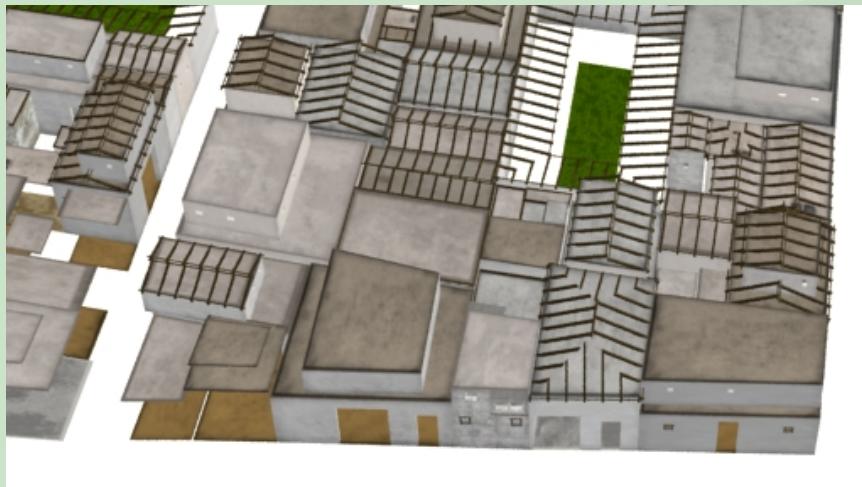
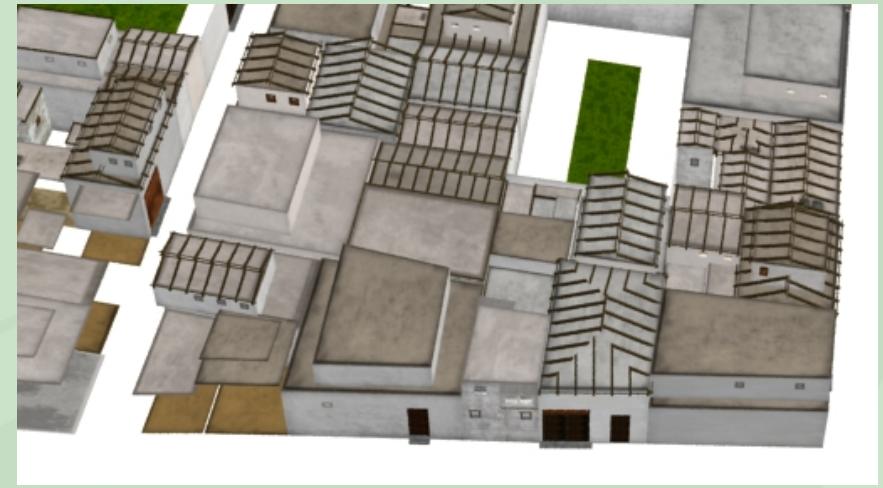
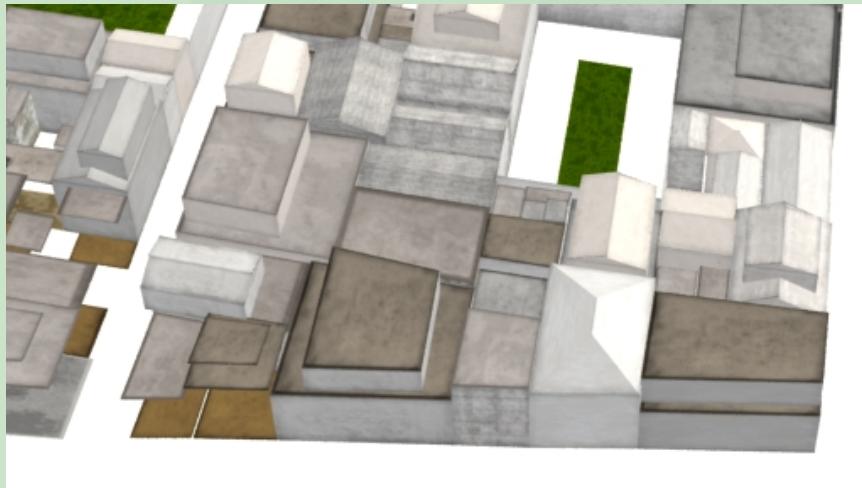
# CityEngine

- Papers
  - “Procedural Modeling of Cities”, Mueller et al, SigGraph 2001
  - “Procedural Modeling of Buildings”, Mueller et al, SigGraph 2006
- *CGA Shape* grammars
- Geometry export
  - one RIB archive per building
  - one “master” rib with bounding boxes

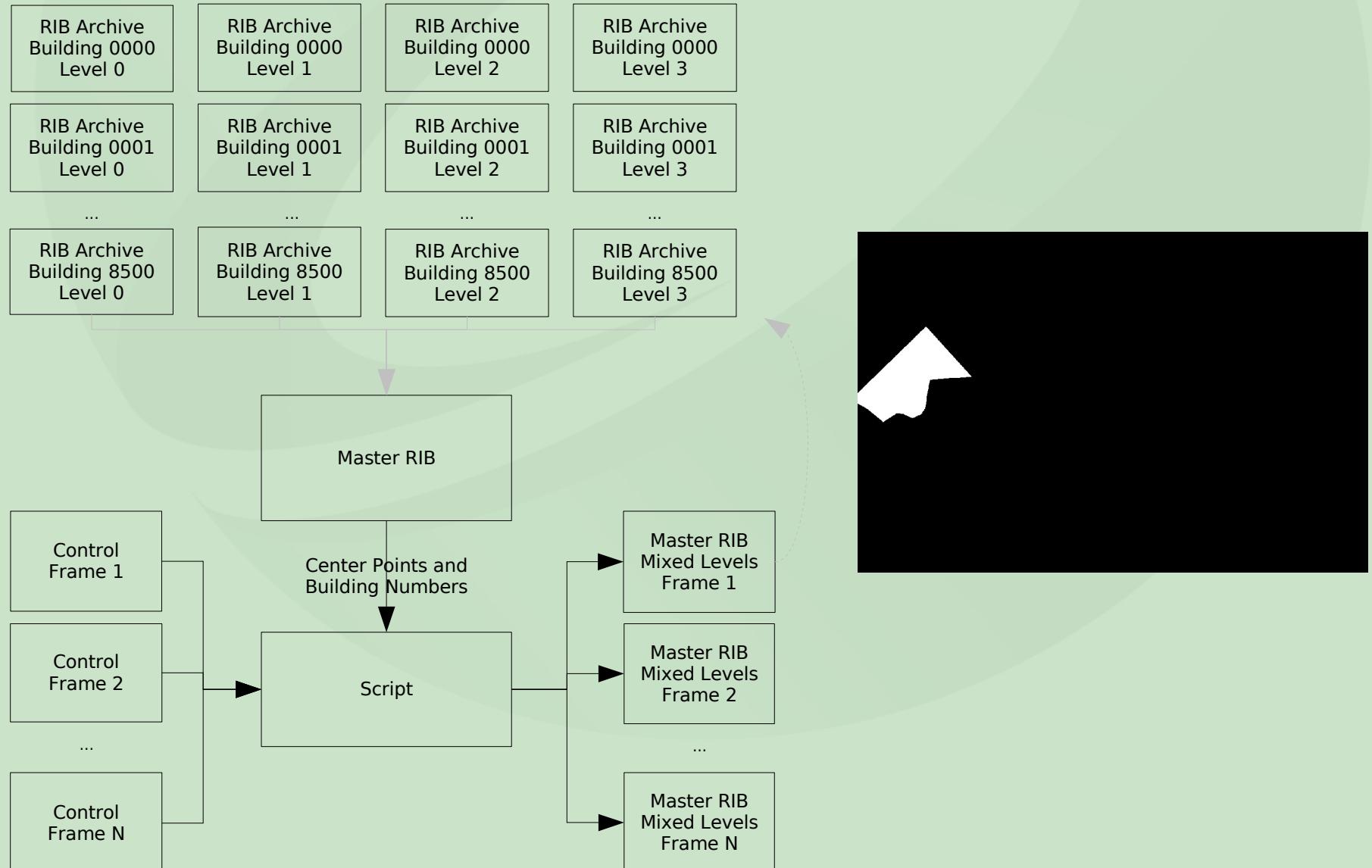
# CityEngine



# Building Stages



# The Trick



# Results

