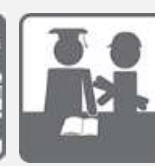


The High Efficiency Campus

Lauren A. Williams, ASLA, LEED AP BD+C

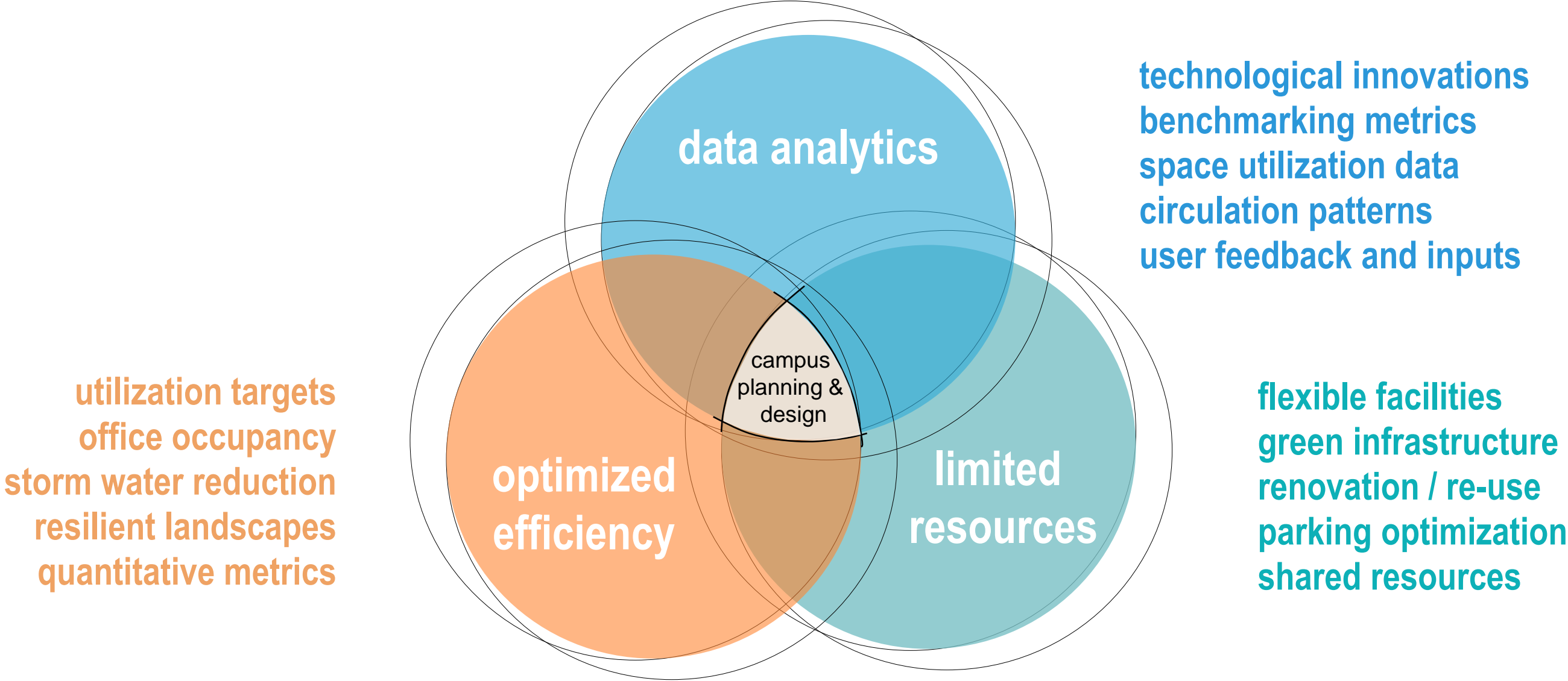


Source: <http://numericanalytics.com/tag/big-data/>



A New Paradigm in Planning

The Impact of Big Data on Campus Planning & Design



Campus-Wide Ecosystem of Learning

New Model: Connected. Open. Flexible. Social. Shared.



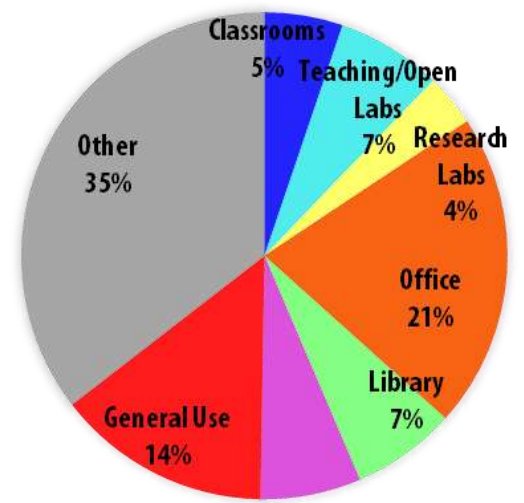
The High Efficiency Campus



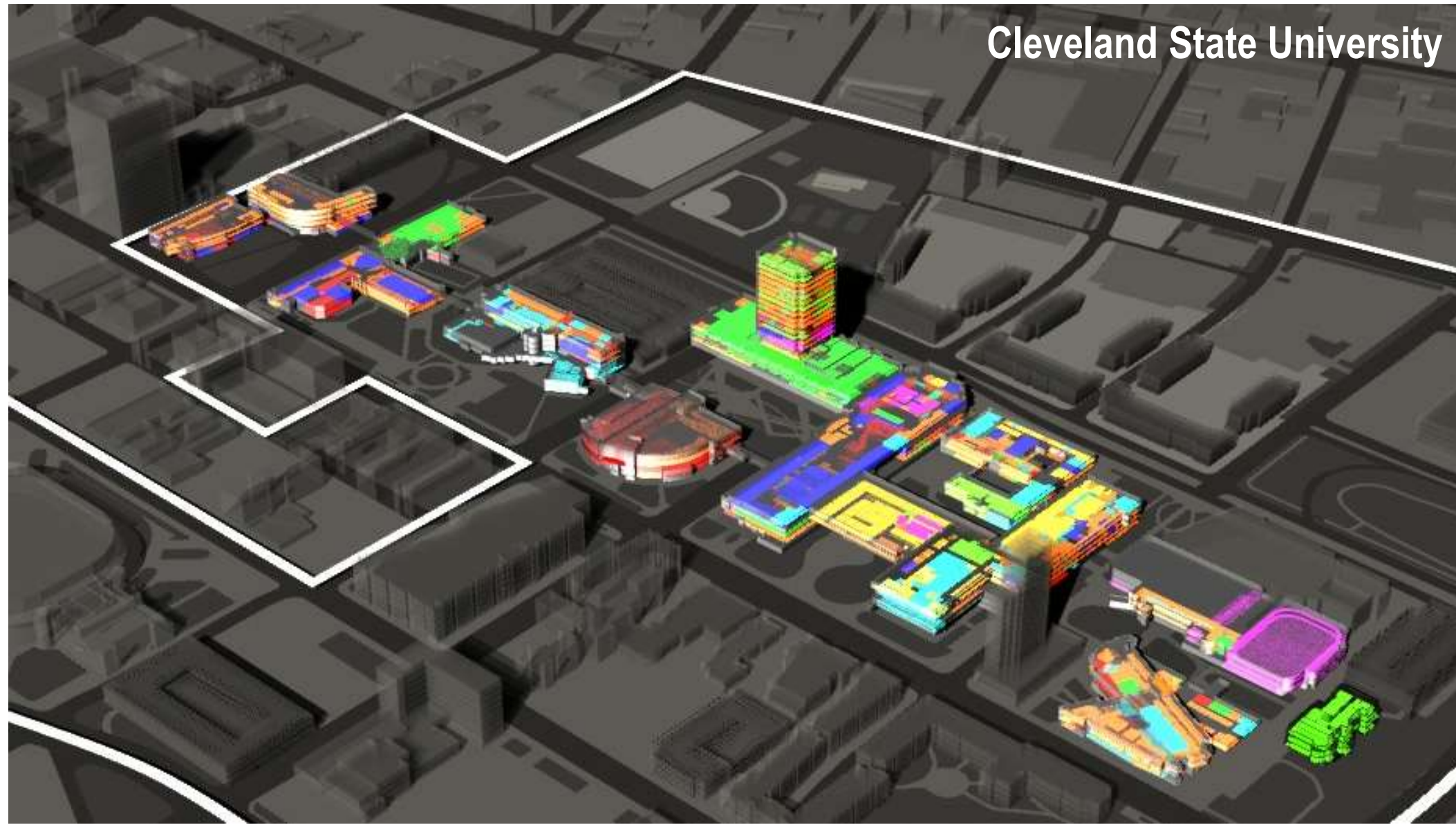
Campus Planning & Design
and Education & Practice
PPN Meeting

Data Analytics & Tools

Spatial Visualization and Improved Utilization



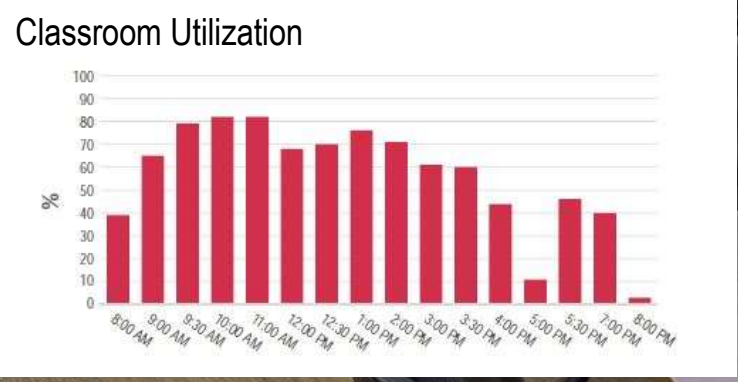
FICM	Name
100	Classrooms
210-220	Teaching/Open Labs
250	Research Labs
300	Office
400	Library
500	Special Use
600	General Use



Transformation of Campus Life

Interior Learning Environments: Active Learning

University of Texas at Tyler



Transformation of Campus Life

Interior Learning Environments: Collaboration Spaces



University of Texas at Tyler



Transformation of Campus Life

Exterior Learning Environments: Outdoor Classrooms

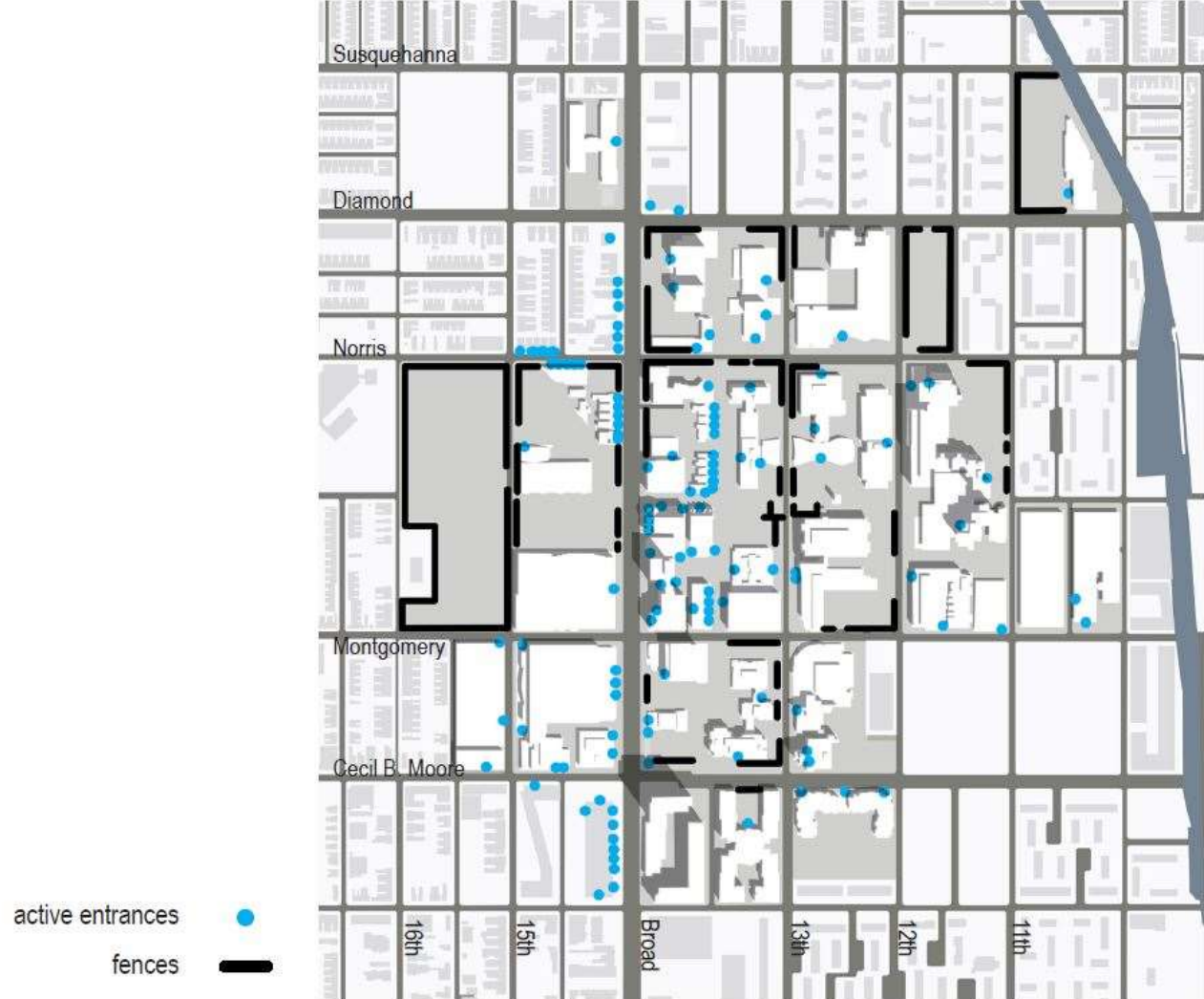
University of Utah



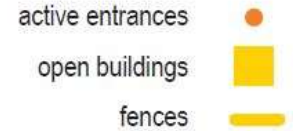
Data Driven Decision Making

User Informed Campus Planning & Design

Temple University



Active Entrances: Thursday Noon

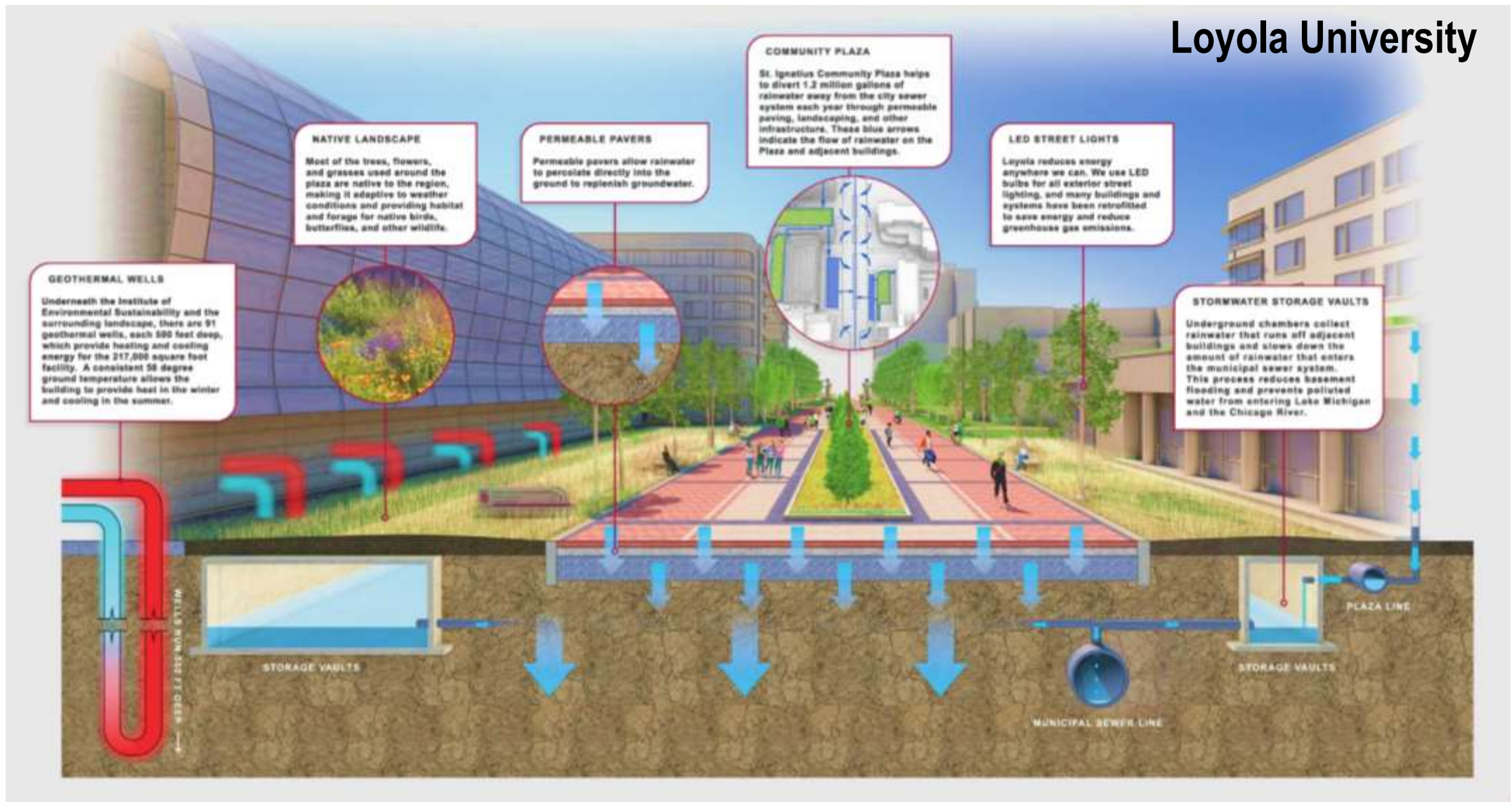


Active Entrances: Thursday Midnight



Transformation of Campus Life

High Performance Campus Open Spaces



Loyola University



A Culture of Connected Mobility

New Model: Shared Mobility. Transportation Innovation.



Source: <http://www.gm.com>



Source: <http://www.uber.com>



Transformation of Campus Life

Rethinking Campus Circulation & Transportation

Ford Motor Company Campus Master Plan



The High Efficiency Campus



Campus Planning & Design
and Education & Practice
PPN Meeting