

# Preparing Indiana Urban Forests for Environmental Change

State of Indiana

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# State of Indiana

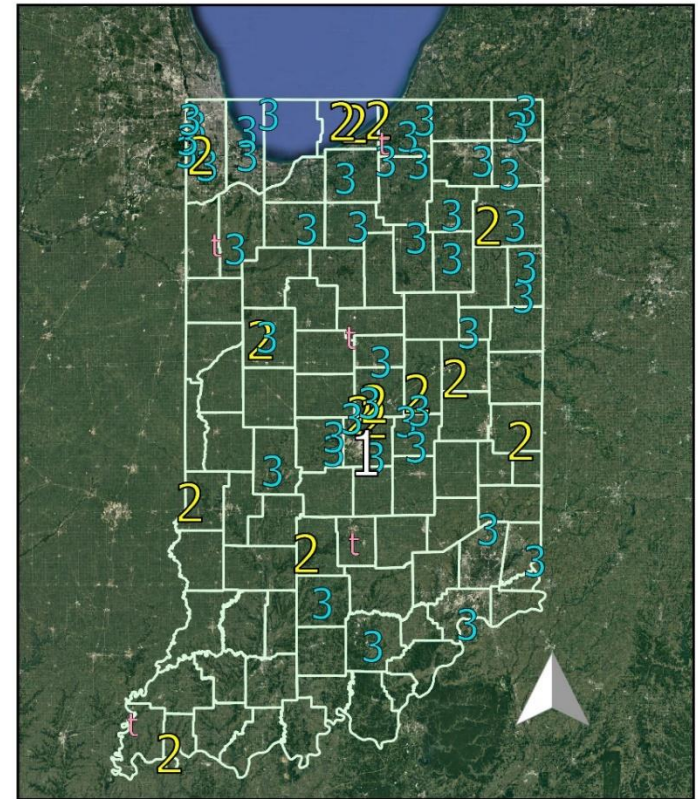
Attn: Indiana Urban Forest Managers

## Scope of this Project:

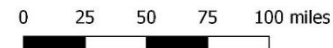
Looking across the state of Indiana, per our role in the Green Infrastructure Cohort of the IU Grand Challenge: Preparing for Environmental Change.

## Purpose of this Project:

Identify “best” Indiana urban forestry programs with respect to preparedness – and describe for other cities how to go about following these models.



Current Tree City USA Participants in Indiana, by Size Class



Donovan Moxley, Indiana University

### Legend

Tree City USA (2016)

- 1 First Class City
- 2 Second Class City
- 3 Third Class City
- t Town

Landsurvey\_County\_Poly\_IN

Basemap: Google Satellite

# Climate Change Impacts, Challenges, Opportunities

MUNICIPALITIES	UF PLAN	PLAN IMPLEMENTATION
IN TCUSA's present/past	City Plan w/ UF (Y/N)	Annual Report Addresses Goals?
Metro Area	Date	Date Most Recent?
Region (N/C/S)	Dedicated UF Plan (Y/N)	# Reports Since Last Plan?
Population	Date	On Track to Meet Goals?
Size Class	UF Plan STI Based (Y/N)	Plan Implementation
(Quasi-)Nonprofit	UF Plan UTCC Based (Y/N)	UF CONTACTS
(Quasi-)Govt Agency	UF Plan Measureable Goals (Y/N)	Position
City Department	Canopy Cover Goal	Name
TREE CITY USA	#/Description	E-mail
TCUSA status	Tree Plant Goal	Others?
Last TCUSA Year (2016 = Current)	#/Description	
UF INVENTORIES	Diversity Goal	
Bottom-Up Inventory (street trees, etc. - Y/N)	#/Description	
Date	UF Plan Addresses Env Change (Y/N)	
Conducted By	Explicit EC Implications?	
Sample or 100%?	Implicit EC Implications?	
Snapshot or updating system?	EC Goals	
Date of Prior Inventory	#/Description	
Total # of Inventories	Other Goals	
Top Down (UTC)	#/Description	
Conducted By		
Date(s)		
Total # of UTCC Assessments		

**Important elements in the management of today's urban forest:**

1. Cities explicitly considering environmental change
2. Cities implicitly considering environmental change

# Adaptation Actions

## Expectations for Adaption Actions:

Most likely plans of action address...

1. Species diversity
2. Size structure
3. New species introduction

... noting that metrics 1 and 2 are considered part of business as usual.

## Seeking Now, Highlighting Later:

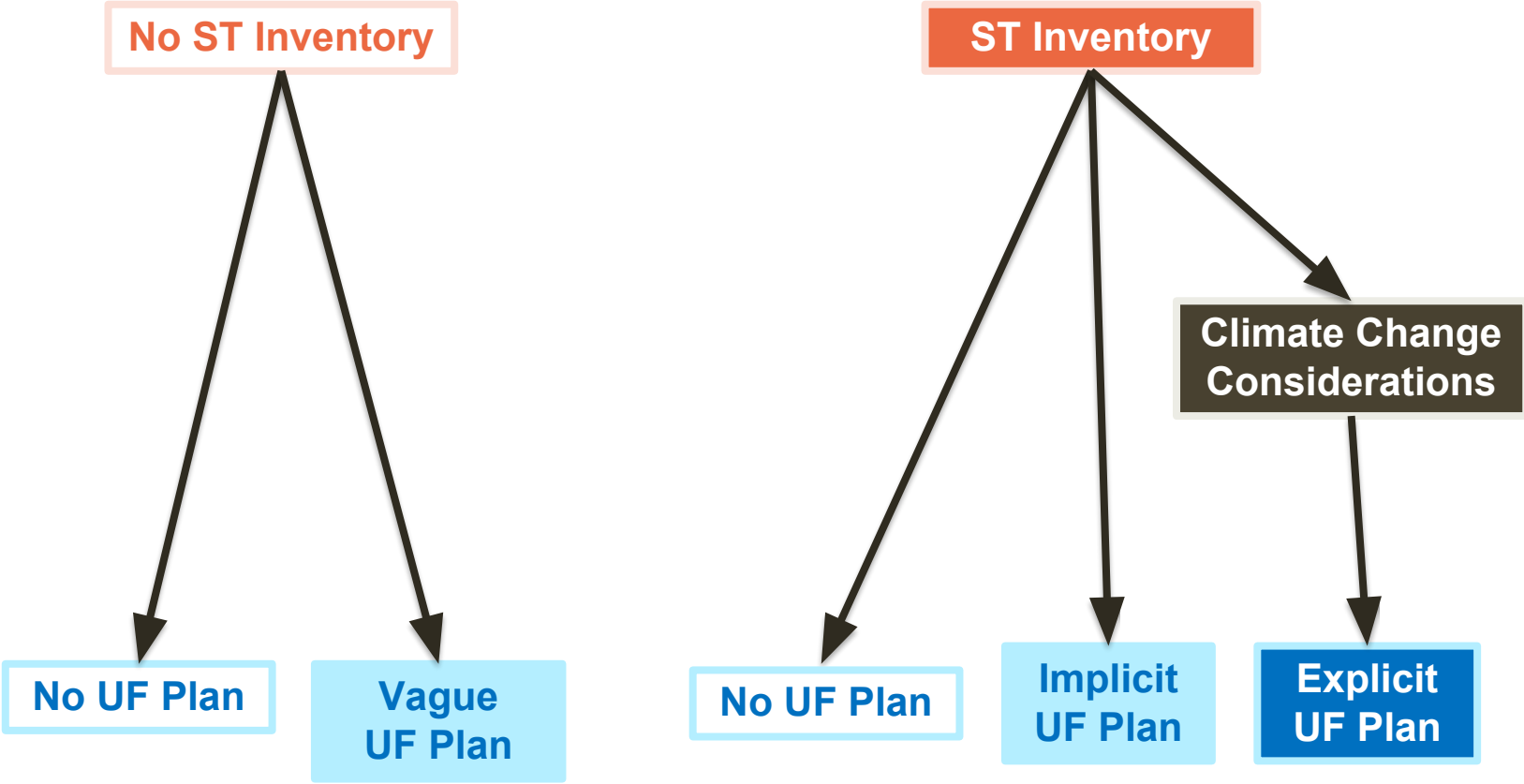
1. Adaption actions that will help the city address key climate impacts?
2. Ideas which are new/different from the “business as usual” management approach?
3. Planning (esp. explicit) for resistance, resilience, and/or transition to anticipated change.

“The Model”

(TCUSA) > UF Inventory > Report/Mgmt Plan > PfEC > (Implement/Monitor)

# Outcomes

Existing Lay of the Land



# Outcomes

Reshaping the Landscape

