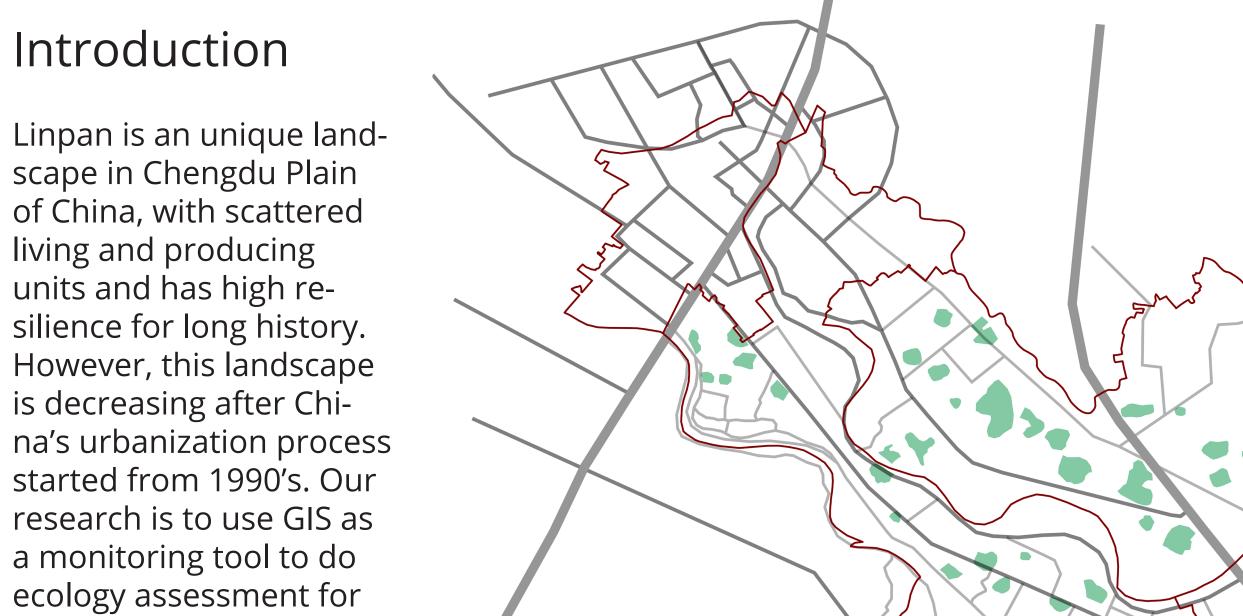
College of Built Environments Shuang Wu | Fengyi Xu





Extracted Elements

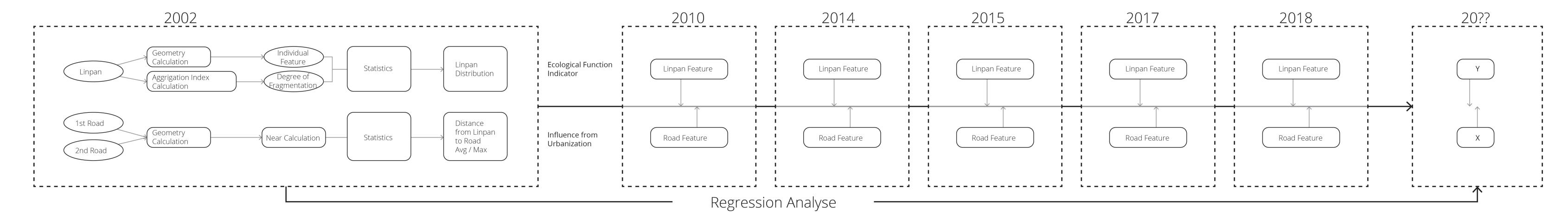
Linpan - Vegetation > Area > Boundary > Shape > Aggrigation

Road - 1st, 2nd, 3rd > length > Distance

Linpan Assessment Model

linpan and find the relationship between the changes of linpan and urbanization. The final purpose is to arise the local government attention for linpan and develop a basic principle for future preservation work.









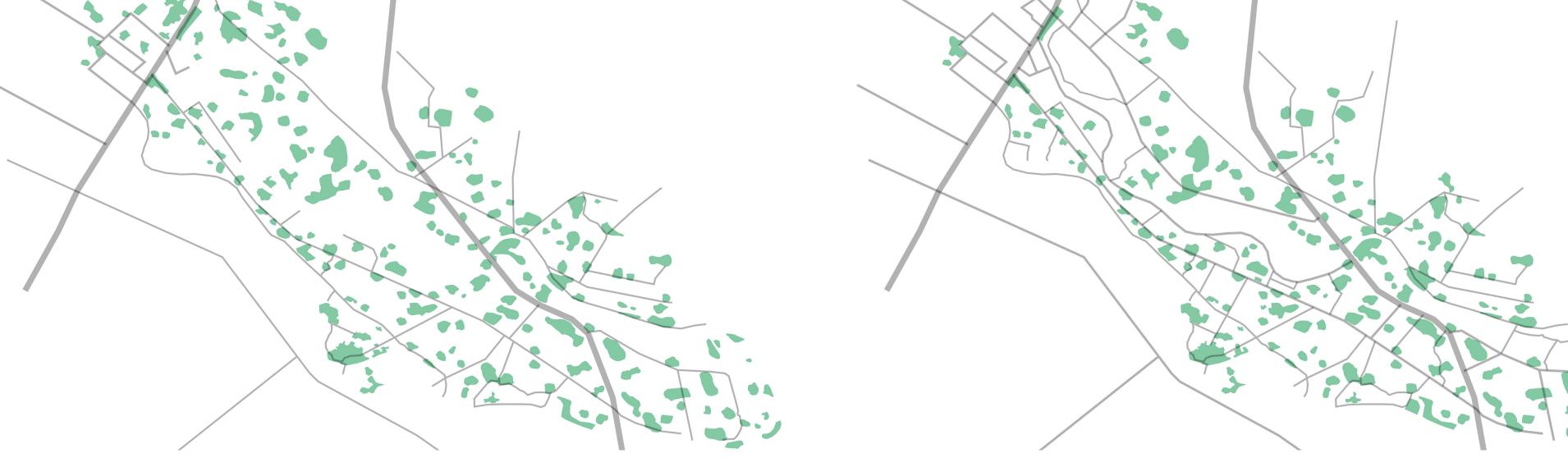






Working Process

Step 1 - Extract Basic Elements



2014

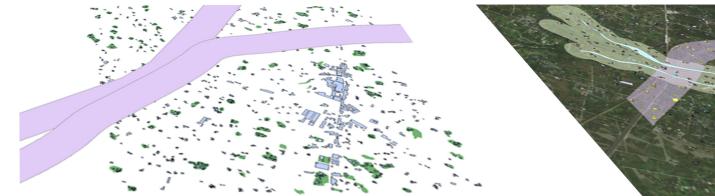
2017

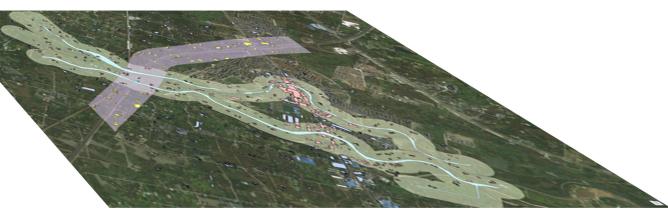


2018





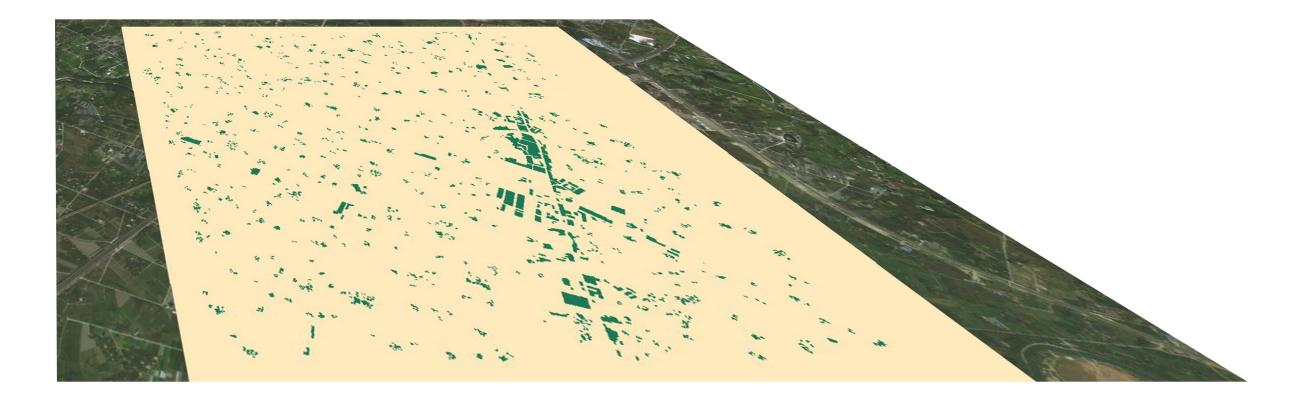




Step 2 - Basic Calculation

Number of Patches	The number	er of patches in each land use	124		
Patch Density		of patches per 100 ha	124		
Largest Patch Index		the largest patch/total area*100	12.94		
Total Edge	Meas	ures the total edge	42579.73·	m –	
Edge Density	stoT	al length of all edge segments per hectare	465.25		
Mean Patch Area	τη	e average mean surface of patches	age mean surface of patches		<i>m</i> 2
Total Class Area	1	Neasures the total area	mE01E, CB		<i>fmE01</i> 2
Percentage of Linpan Landscape	/	Measures the percentage of landscape		6:	4:28%
Fragmentation		/N-J C			28%
Linpan Density					m#\time

Step 3 - Context Map





Step 4 - Aggregation Index Calculation



Step 5 - Regreggation Analyze

	Nonstandardized Coefficients		Standardized Coefficients	*		/ AV	R5	I / SB難開		
	B	Standard Error \	Beta	`\	8	112		Notited I		
Constant	1555362.1	351033.265	-	4.431	*110.0	-	2 0.53	1140 e	1 4582	
Total Length of Secondary Road	-22.585	10.644	821.0-	/ -5705	101.0]	. \ \		s / aur /	4.392	
Dependent Variable: Linpan Are	a									
* p<0.05 ** p<0.01										



