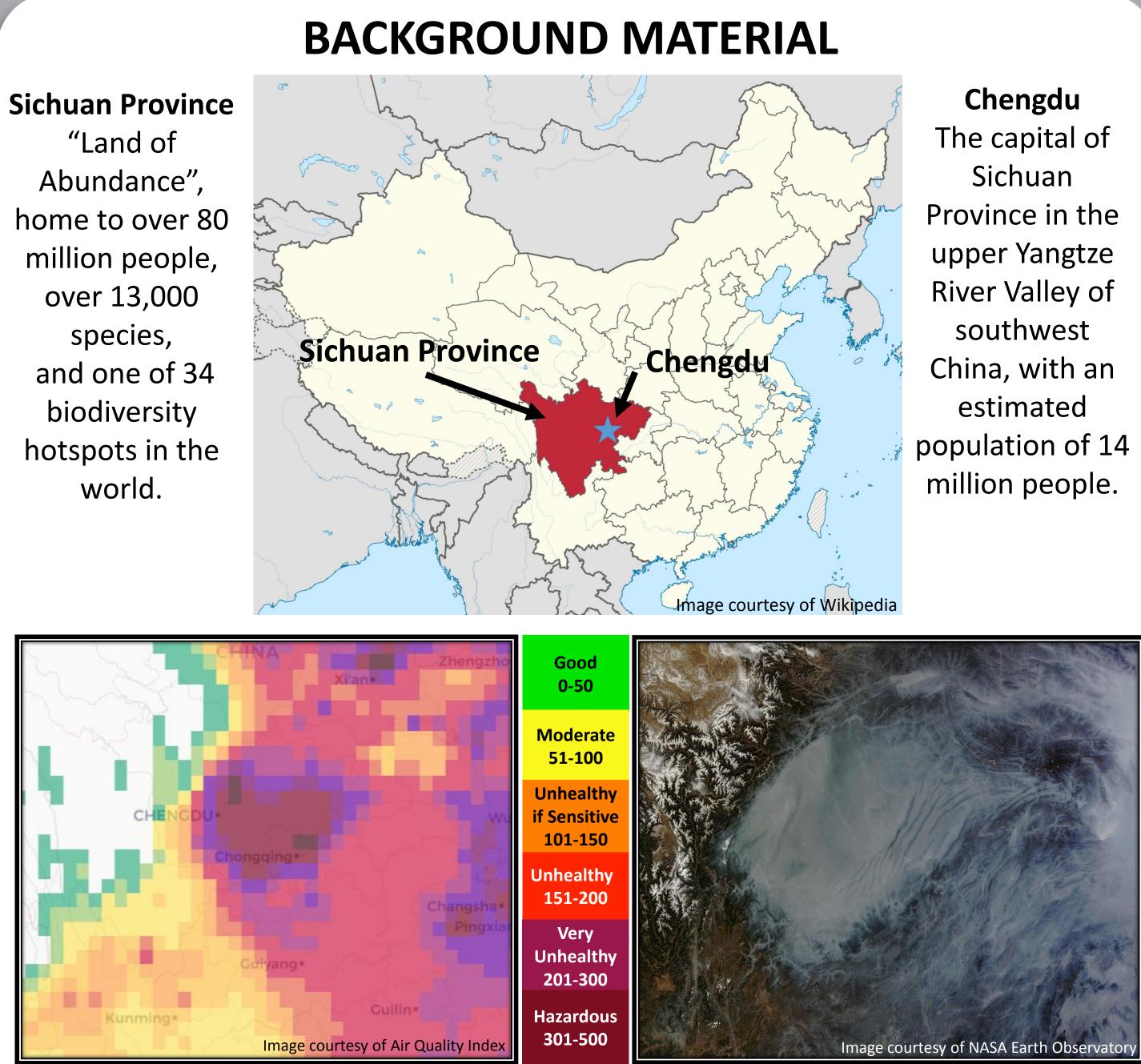


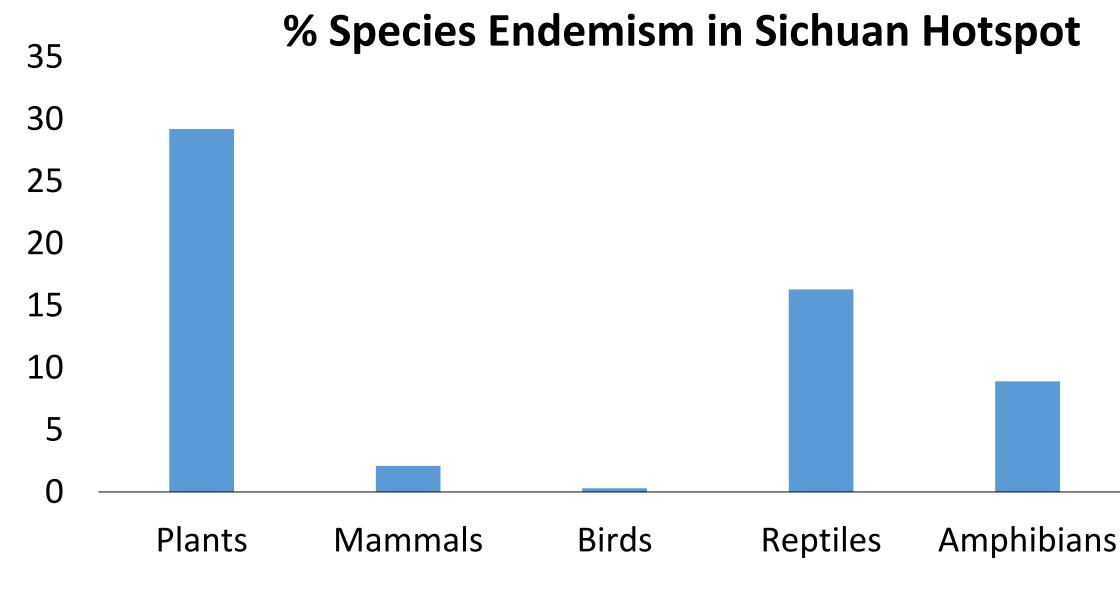
## **OBJECTIVE**

To construct a recommendation that reduces the loss of biodiversity of fauna and flora in Sichuan province, China by decreasing the amount of CO<sub>2</sub> and PM in Chengdu, the capital city.



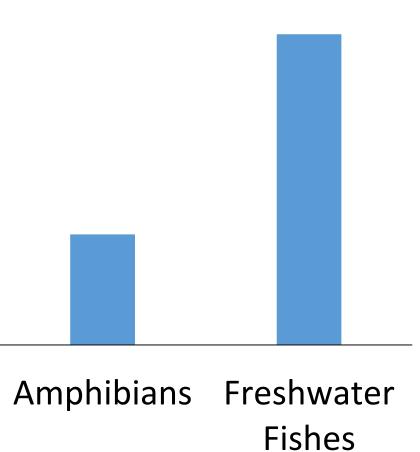
## Mountains of southwest China hotspot

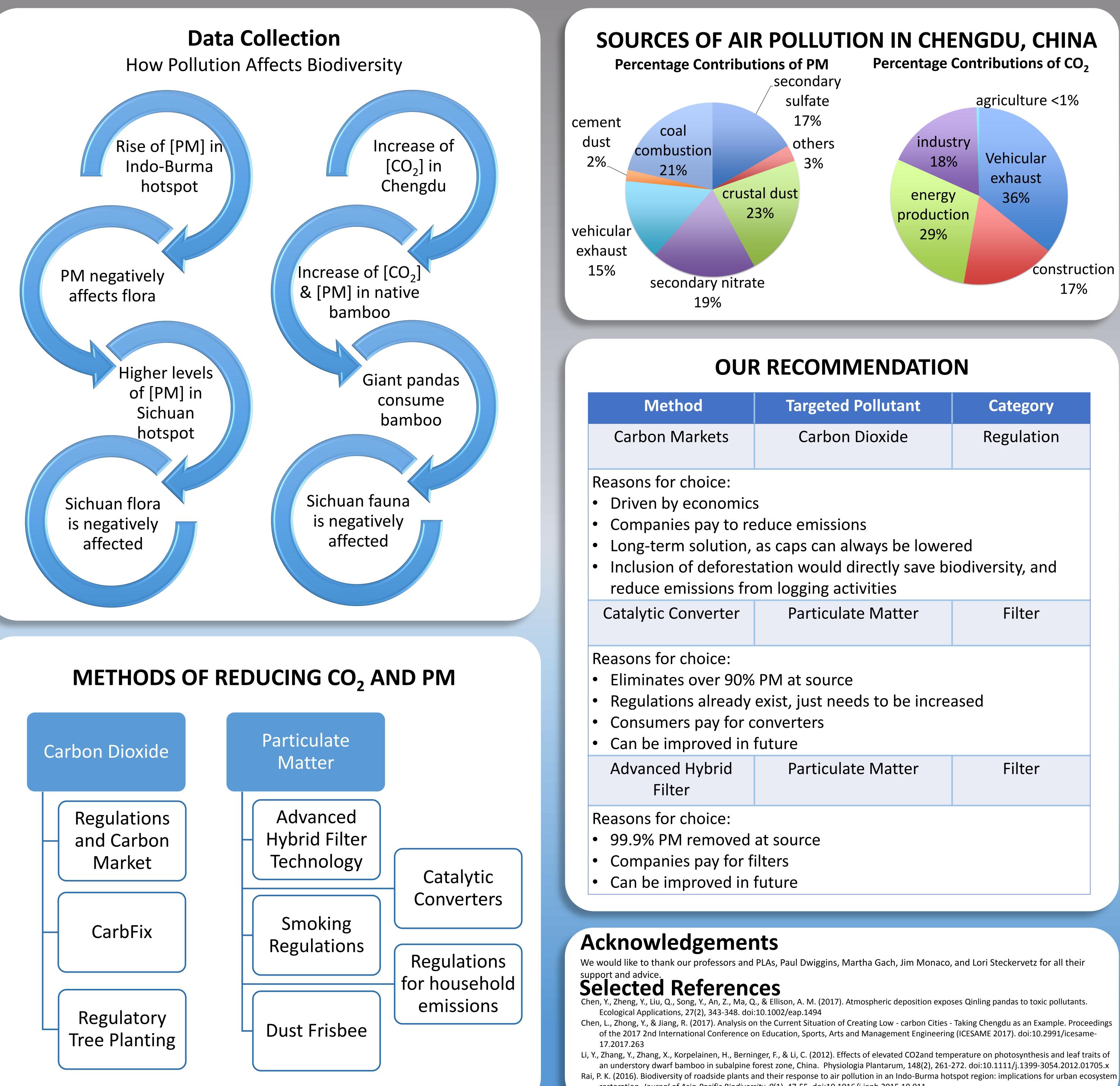
- Only 8% of the original hotspot area remains untouched
- Estimate of endemic species: 3,508
- Home to the last surviving wild population of giant pandas
- Imminent threats: industrial emissions and waste, vehicular exhaust, agriculture, mining, widespread deforestation and tourism



# ATTAINING IDEAL RESPIRATION Case Study: Sichuan Province, China

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The World Air Quality Index project. (2017). Real-time World Air Quality Index. Retrieved December 5, 2017, from http://waqi.info/



<b>Targeted Pollutant</b>	Category
Carbon Dioxide	Regulation
5	
duce emissions	
as caps can always be lowered	
ation would directly save bi	odiversity, and
om logging activities	
Particulate Matter	Filter
PM at source exist, just needs to be increased onverters future	
Particulate Matter	Filter
at source ilters future	
htc	
nts	

- restoration. *Journal of Asia-Pacific Biodiversity, 9*(1), 47-55. doi:10.1016/j.japb.2015.10.011