

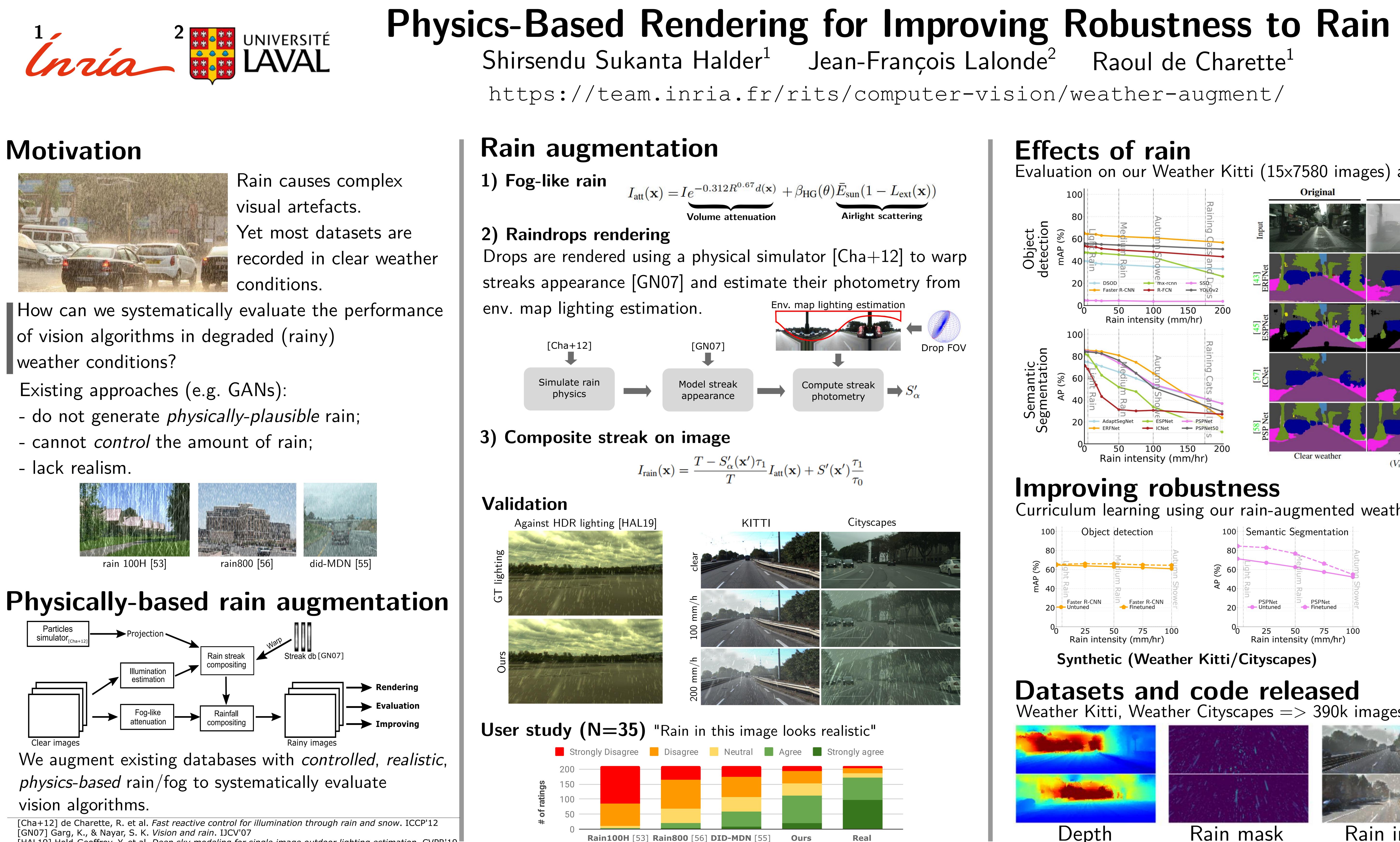
Motivation



of vision algorithms in degraded (rainy) weather conditions?

Existing approaches (e.g. GANs):

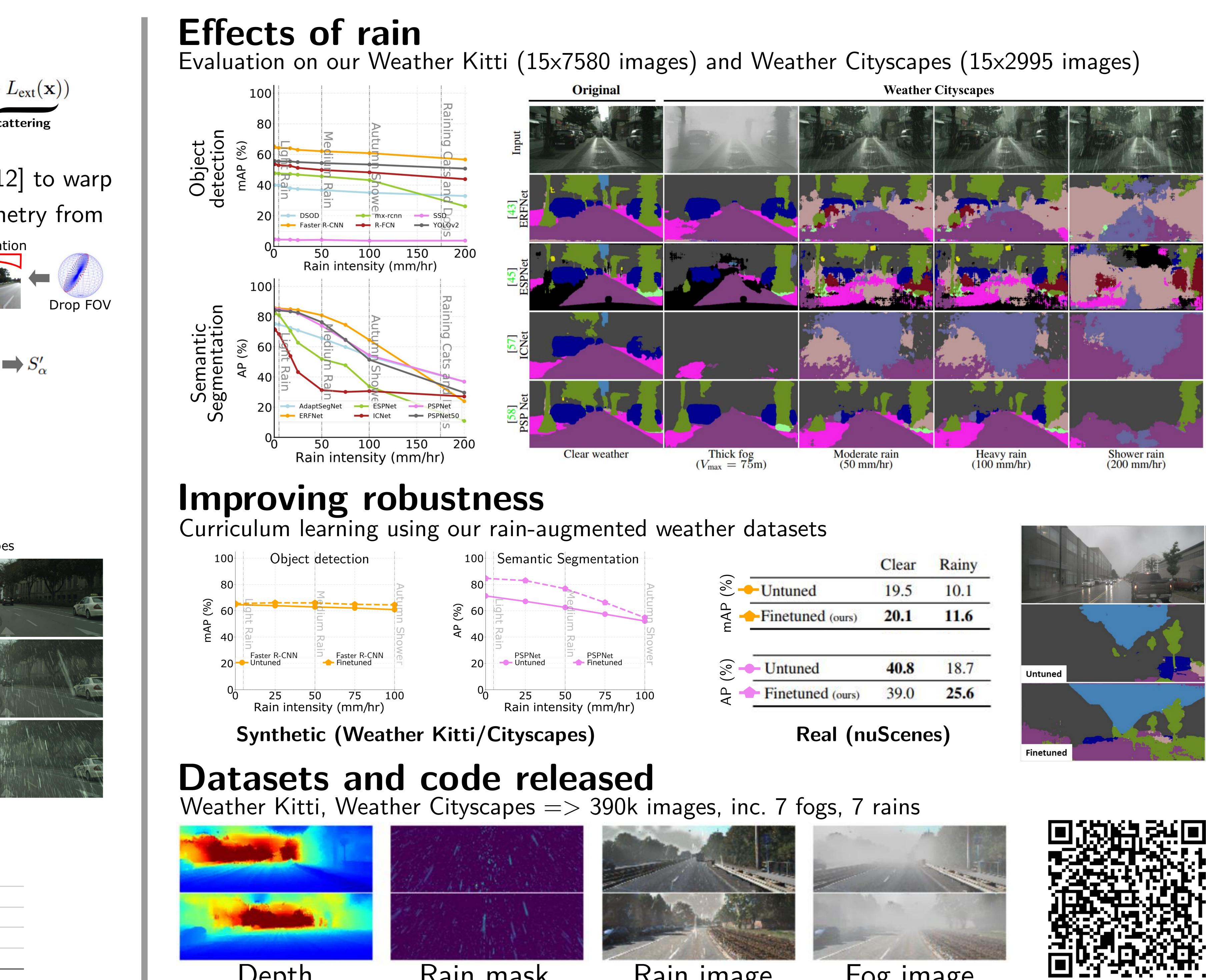




physics-based rain/fog to systematically evaluate

[Cha+12] de Charette, R. et al. Fast reactive control for illumination through rain and snow. ICCP'12 [GN07] Garg, K., & Nayar, S. K. Vision and rain. IJCV'07 [HAL19] Hold-Geoffroy, Y. et al. Deep sky modeling for single image outdoor lighting estimation. CVPR'19

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Depth

Rain mask



Clear	Rainy
19.5	10.1
20.1	11.6
40.8	18.7
39.0	25.6
	19.5 20.1

Rain image

Fog image