Rapid post-disaster structural damage inspection and performance evaluation are crucial for building owners and policymakers to make informed risk management decisions. To improve the efficiency of such inspection, an automated end-to-end structural damage detection and repair cost estimation framework has been proposed, which consists of advanced computer vision and point cloud techniques for structural damage and performance assessment.
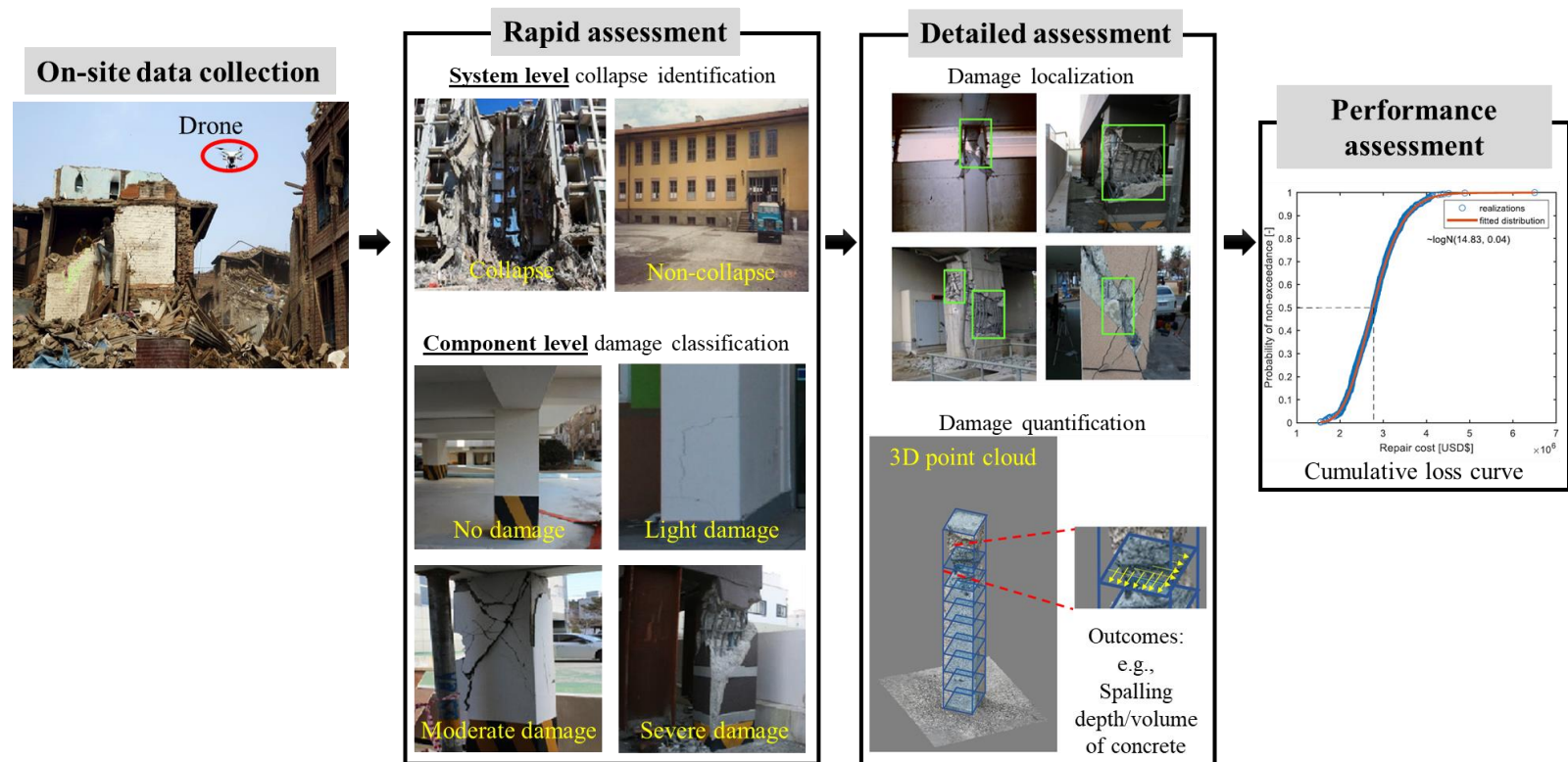
If you feel our work is inspiring or helpful to your research, please consider citing the following:

Pan, X., & Yang, T. Y. (2020). Postdisaster image-based damage detection and repair cost estimation of reinforced concrete buildings using dual convolutional neural networks. *Computer-Aided Civil and Infrastructure Engineering*, 35(5), 495-510.