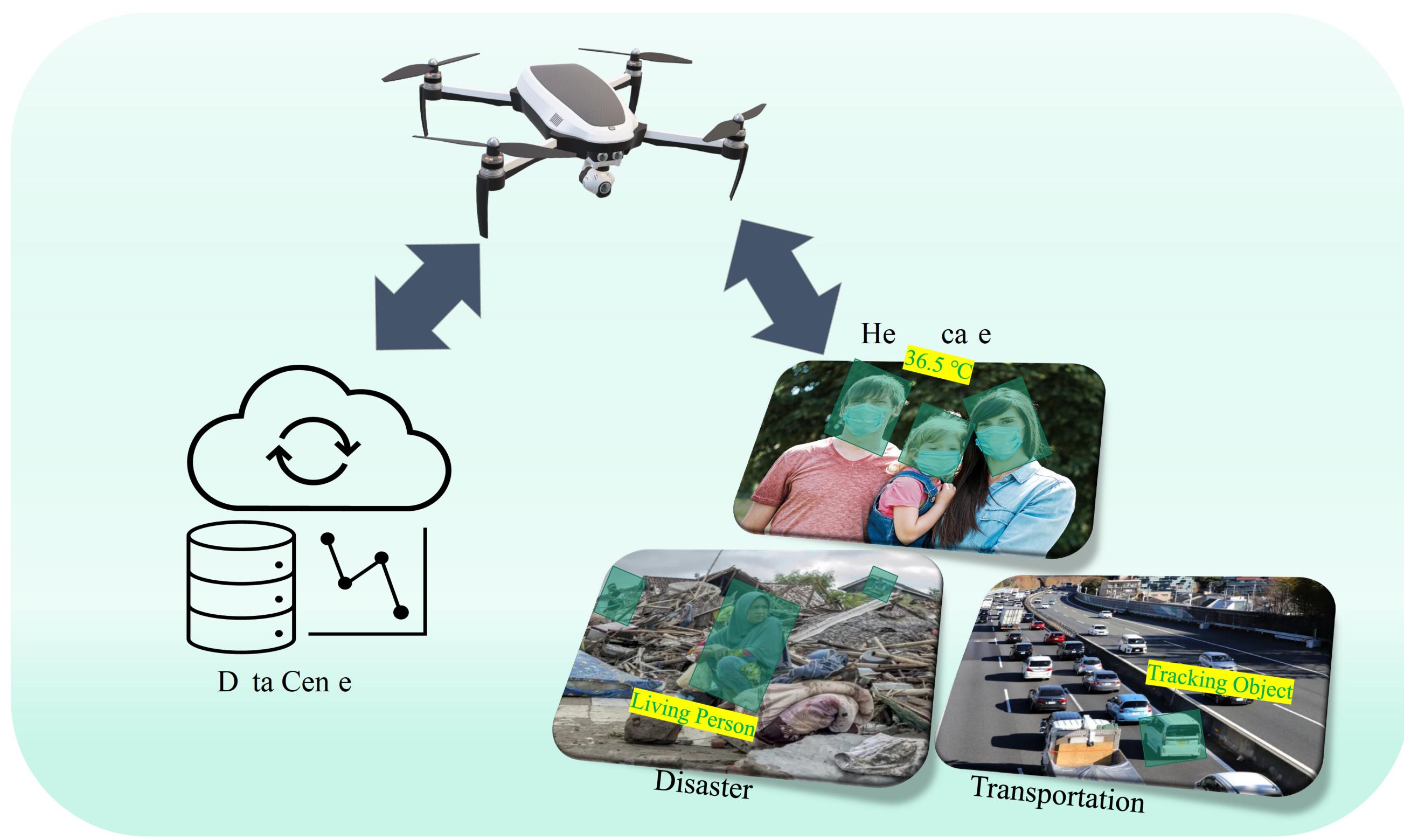
## Implementation of Object Detection with Highly Energyefficient Unmanned Aerial Vehicle

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The inno ati e technical re olution dri en by art f cial intelligence has brought a wide range of application areas for unmanned aerial ehicles (UAVs) n our daily life ranging from secur ty moni oring to enterta nment photography. High-accuracy object detec ion is ine i ably a fundamental technology building the h ghly ci ilized Internet of Things (IoT) society. Therefore in this course accurate object detect on with low-cost and highly energy-efficient UAVs will be realized by fusing a benchmark deep neural network algorithm. Let us explore the principles and challenges of accurate object detection with low-cost UAVs. During the study of this experiment we can understand the following fundamental knowledge

- Theory of deep neural networks for object detection
- Fundamental knowledge of Python programming
- Basic principle of UAVs' control



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