# DrIFT: Autonomous Drone Dataset with Integrated Real and Synthetic Data, Flexible Views, and Transformed Domains

The DrIFT dataset has been developed by Fardad Dadboud, Hamid Azad, Varun Mehta, Miodrag Bolic, and Iraj Mantegh, as a result of a collaborative effort between the University of Ottawa and the National Research Council Canada. This dataset encompasses distinct domains characterized by variations in point of view, synthetic-to-real data transitions, seasonal changes, and adverse weather conditions. DrIFT uniquely emphasizes background shifts by providing background segmentation maps, enabling the computation of background-wise metrics and evaluations.

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   All technical papers, documents, and reports using the DrIFT dataset must include the following acknowledgment:  
   "The research in this paper used the DrIFT dataset, collected by the University of Ottawa and the National Research Council Canada."

Kindly cite the DrIFT paper using the format provided on the GitHub page.

1. Application Process for Students:
   1. Student applicants must have their supervisor sign this agreement.
   2. The signed agreement must be submitted via a formal university email (personal email addresses, such as xxx@gmail.com or xxx@163.com, will not be accepted).
   3. The student must also copy their supervisor in the email submission.

Upon review of the signed agreement, access to download the dataset will be granted via the HuggingFace platform.

1. Submission:
   1. Send the signed agreement to Fardad Dadboud at [fardad.dadboud@uottawa.ca](mailto:fardad.dadboud@uottawa.ca) (please include “DrIFT\_download” as the subject of your email).
   2. Students must copy their supervisor in the email.
2. Rights and Interpretation:  
   The University of Ottawa, the National Research Council Canada, and the authors retain the final rights to interpret this agreement.

\*\*\* Note: This version of the dataset contains only synthetic data; the real data will be available online soon.\*\*\*

Individual Information:

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Email: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

HuggingFace Username: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Supervisor Information (For Student Applicants):

Faculty Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
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University and Department: \_\_\_\_\_\_\_\_\_\_\_  
Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ (MM/DD/YY)