

Your case study

1. For this application, what would be the advantages and the drawbacks of :
 - a. optical sensors
 - b. SAR sensors
 - c. Lidar
 - d. Sar altimeter
2. Will you select one sensor or try a multi-modal approach ?
3. Will you ask for new VHR commercial satellite (TerraSAR-X/Pleiades) images or will you download open HR images (Sentinel-1/Sentinel-2) ?
4. What type of non-learning approach could you use (**mandatory**) ? Test it on one well selected example that you have yourself downloaded
5. Is there a already existing DL dataset (**optional**) ?
 - a. <https://github.com/chrieke/awesome-satellite-imagery-datasets>
 - b. If so, test a vanilla methodology on the dataset and report your results. How does it compare to the non-learning approach ?
 - c. If not, could you use an existing source of annotations?