

Data	Type of data	Owner-ship/Rights	Con-dition	Scale	Description and data quality	Main attributes	Reference
1) Soil map	National GIS theme	Public	None	National	Map of Danish soil types	The Danish soil classification system JB 1-JB 11. SEGES will deliver a description of the definitions of JB numbers (% clay, % silt, % sand and % OM)	<a href="http://ign.ku.dk/partner-landskab/god-vaekstjord/beskrivelse-af-jord/">http://ign.ku.dk/partner-landskab/god-vaekstjord/beskrivelse-af-jord/</a>
2) Soil capacity of plant available water in 50, 75, 100, 125 and 150 cm	National GIS theme (TIFF)	Public	None	National	The map is calculated from the national soil map. Thus, these data will be highly correlated	Soil capacity of plant available water in 50, 75, 100, 125 and 150 cm	
3) Danish height model	National GIS theme	Public	None	National	DHM / Terrain which is a model of terrain topography or elevation above sea level. The model is constructed from LIDAR scans. The product consists of several themes. Most relevant are a terrain model where objects like vegetation, houses, cars, etc. is removed. DHM / Terrain has a grid point of 40 cm. Vertical RMSE ~5 cm, Horizontal RMSE ~15 cm. Additional relevant products are a surface map where structures and buildings are included. The actual LIDAR point scans are also available.	Height above sealevel. LIDAR scan points. Surface height, i.e. height of buildings and structures included	<a href="https://download.kortforsyningen.dk/content/dhmtterr%C3%A6n-04-m-grid">https://download.kortforsyningen.dk/content/dhmtterr%C3%A6n-04-m-grid</a>
4) Sentinel 2, level 1 C, Satellite data		Public		National	13 hyperspectral bands + 3 vegetation indices (NDVI, NDRE, MSAVI2) + s2cloudless cloud probability (using 'average_over': 4, 'dilation_size': 2) and cloud mask (using 'threshold': 0.4). Sentinel 2 data covers 2016-01-01 to 2017-12-31 and is resampled to 5x5 meter grid.		
5) Field polygons (IMK)	National GIS theme	Confidential	None	National	Field polygons from The Ministry of Food, Agriculture and environment. Field polygons are uploaded every year in connection with EU application. Field polygons are at the level of the actual field.	Farm ID, field number, area, crop type, crop code. There is no information about autumn catch crops	
6) Yield maps	GIS theme	Confidential	NDA	Position data (GPS) with a X and Y Coordinate  Fields are distributed across all of Denmark	Yield maps from individual fields collected from combines. Data comes from actual production farms which have granted SEGES access to their data. Yield meters on combines must be calibrated. Since the data comes from actual farms, the data various levels of calibration may have been performed, which is a source of error. This error can possibly be quantified if yields for a subsample of data have also been measured by weighbridge. SEGES will deliver yield data with a document describing data cleaning procedures	The number of attributes and spatial resolution will vary depending on type of combine harvester (manufactures). SEGES will deliver a master table with selected attributes. Some yield maps will include data in all attributes, others will be blank in some of the attributes.	There is no reference since it is a new task working with larger amount of yield data.

					(field polygons, outlier removal for different crops and headland)		
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