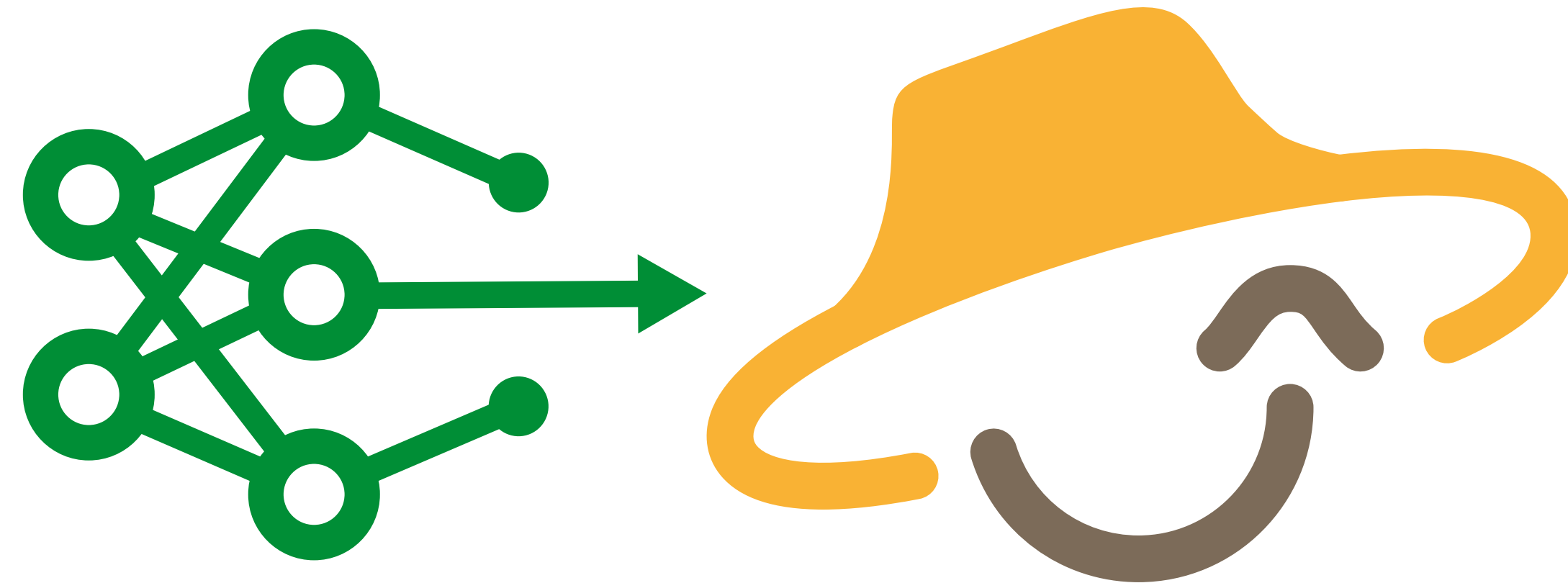




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# Transfarmels

Team Report

# Data Submission Overview



**Train data**  
folder



**Model** folder



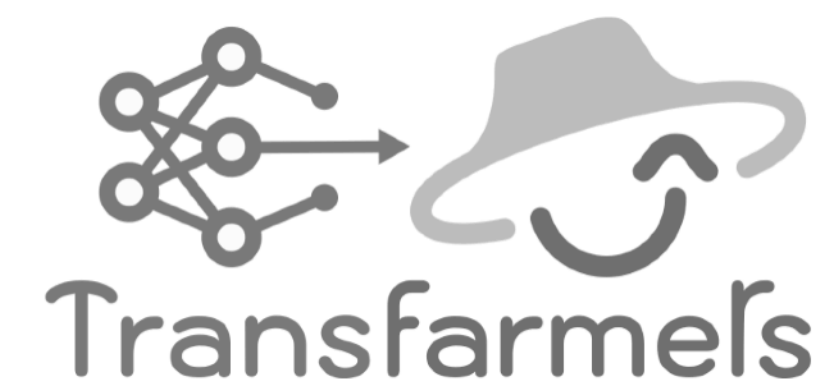
**Test data**  
folder



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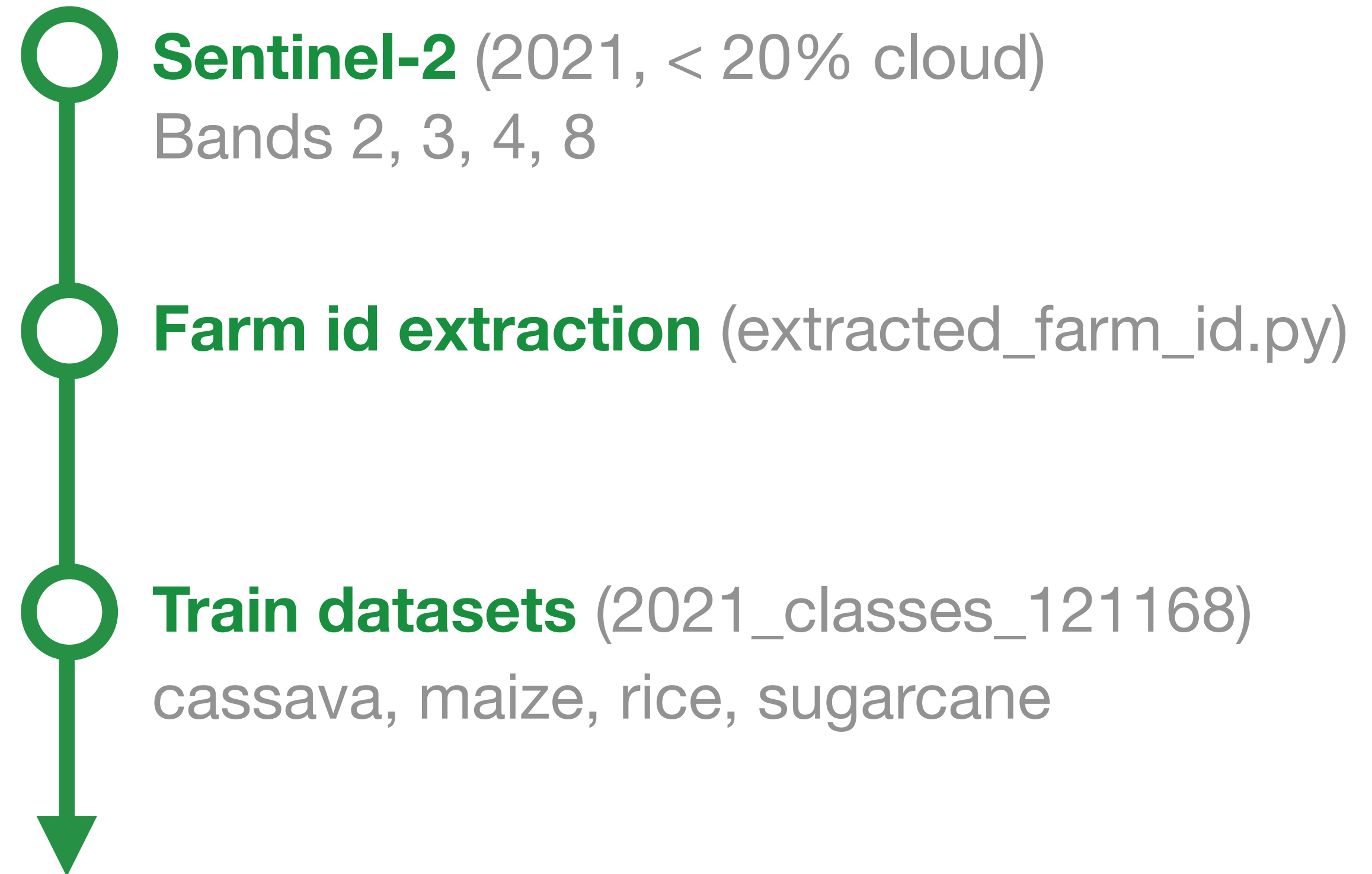
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# Preprocessing of **Train data**



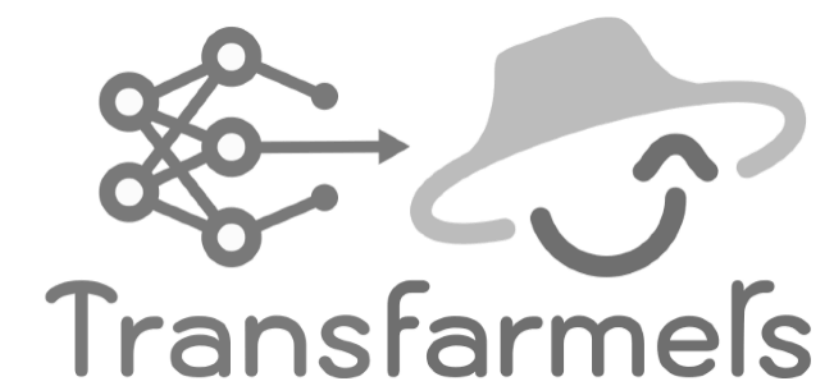
**Train data**  
folder



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# Train Model



**Model** folder

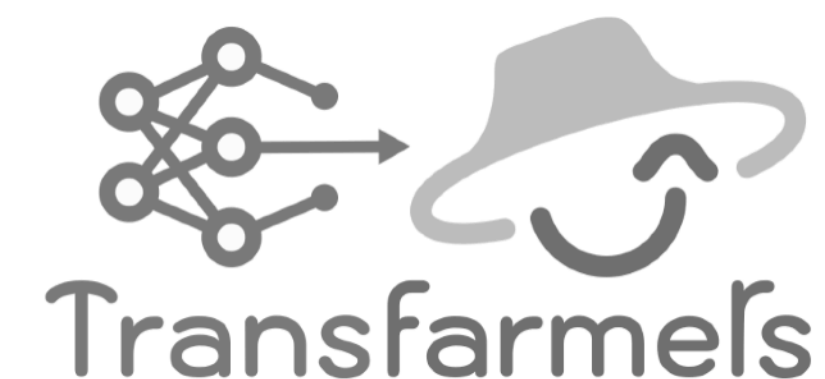
- Train datasets** (2021\_classes\_121168)  
cassava, maize, rice, sugarcane
- Training** (main.py)
- Model** (2021\_classes\_121168\_epoch\_4000.hdf5)



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# History of Evaluation Matrix

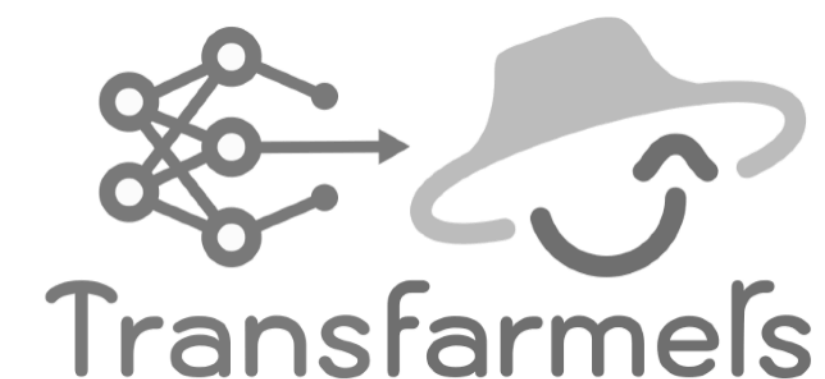
```
Epoch 173: val_loss did not improve from 2.45802
1325/1325 [=====] - 115s 86ms/step - loss: 4.2760 - accuracy: 0.6647 - recall: 0.6642 - precision: 0.6654 - val_loss: 5.9172 - val_accuracy: 0.6455 - val_recall: 0.6451 - val_precision: 0.6462
Epoch 174/4000
1325/1325 [=====] - ETA: 0s - loss: 3.9581 - accuracy: 0.6691 - recall: 0.6685 - precision: 0.6698
Epoch 174: val_loss did not improve from 2.45802
1325/1325 [=====] - 115s 87ms/step - loss: 3.9581 - accuracy: 0.6691 - recall: 0.6685 - precision: 0.6698 - val_loss: 9.7828 - val_accuracy: 0.5361 - val_recall: 0.5359 - val_precision: 0.5362
Epoch 175/4000
1325/1325 [=====] - ETA: 0s - loss: 4.1595 - accuracy: 0.6673 - recall: 0.6667 - precision: 0.6682
Epoch 175: val_loss did not improve from 2.45802
1325/1325 [=====] - 115s 87ms/step - loss: 4.1595 - accuracy: 0.6673 - recall: 0.6667 - precision: 0.6682 - val_loss: 5.4012 - val_accuracy: 0.5930 - val_recall: 0.5922 - val_precision: 0.5938
Epoch 176/4000
1325/1325 [=====] - ETA: 0s - loss: 4.2662 - accuracy: 0.6656 - recall: 0.6650 - precision: 0.6663
Epoch 176: val_loss did not improve from 2.45802
1325/1325 [=====] - 115s 87ms/step - loss: 4.2662 - accuracy: 0.6656 - recall: 0.6650 - precision: 0.6663 - val_loss: 10.3941 - val_accuracy: 0.5052 - val_recall: 0.5050 - val_precision: 0.5055
Epoch 177/4000
1325/1325 [=====] - ETA: 0s - loss: 4.3225 - accuracy: 0.6654 - recall: 0.6648 - precision: 0.6661
Epoch 177: val_loss did not improve from 2.45802
1325/1325 [=====] - 115s 87ms/step - loss: 4.3225 - accuracy: 0.6654 - recall: 0.6648 - precision: 0.6661 - val_loss: 3.3616 - val_accuracy: 0.6879 - val_recall: 0.6873 - val_precision: 0.6890
```



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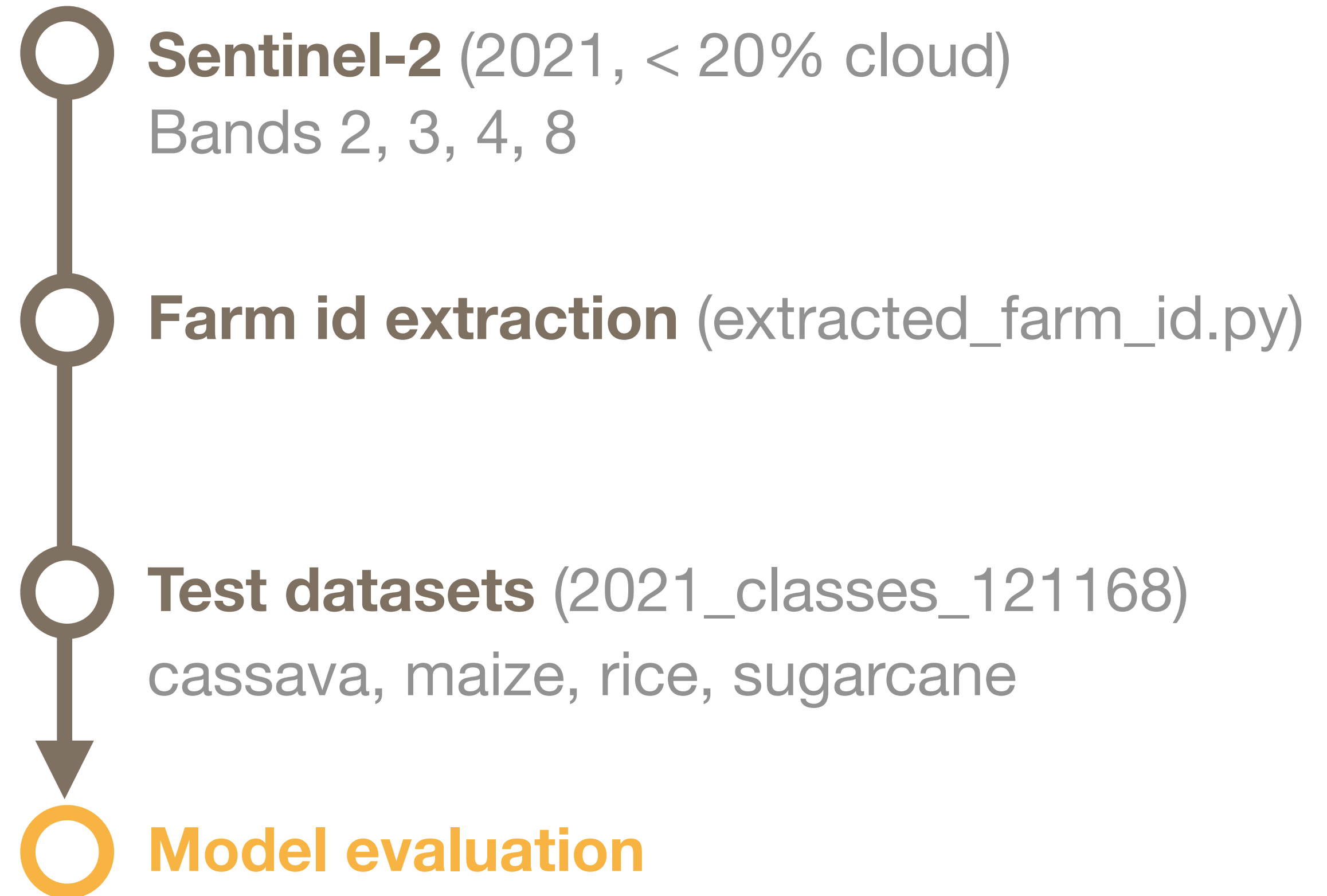
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# Preparation of Test data



**Test data  
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