Hackathon May 2019

TREEO Challenge:   
**Marketplace**

# Challenge: Marketplace

# Data model



Files

**Download here:** [**https://tinyurl.com/yy336h2h**](https://tinyurl.com/yy336h2h)

|  |  |  |
| --- | --- | --- |
| Entity | File | Record count |
| Plot | plot\_export\_20190509.json | +1200 |
| Plot Polygon | plot\_polygons\_export\_20190508.geojson |  |
| Survey | survey\_export\_20190509.json | +1200 |
| Tree | tree\_export\_20190509\_page\_1.json  tree\_export\_20190509\_page\_2.json  tree\_export\_20190509\_page\_3.json  tree\_export\_20190509\_page\_4.json  tree\_export\_20190509\_page\_5.json | +45000 |

## Plots

|  |
| --- |
| {  "data": [  {  "object": "PlotView",  "id": "vxm5",  "farmer\_id": "nouf",  "planting\_date": "2015-01-01",  "video\_url": null,  "neighbors": null,  "landscape\_features": null,  "general\_conditions": null,  "fire\_fighting": null,  "active": true,  "sample": false,  "plants\_planted": null,  "import\_id": 29,  "project": "1mt",  "area\_m2": "6706",  "species": "Sengon",  "survey\_count": 3,  "latest\_survey\_treecount": 203,  "latest\_survey\_date": "2018-11-30",  "latest\_survey\_dbh\_mean": "19.50",  "latest\_survey\_height\_mean": "20.11",  "trees\_per\_ha": "303",  "latest\_survey\_tree\_volume": "660.09",  "latest\_survey\_value\_ird": "51854007",  "latest\_survey\_value\_usd": "3571.44",  "soil\_type": "Cambisol",  "legal\_status": null,  "village": "Tehang",  "district": null,  "planting\_distance": "3x3",  "supporter": null,  "nursery": null,  "field\_coordinator": null  },  ... |

## 

## Plot Polygons

|  |
| --- |
| {  "type": "FeatureCollection",  "features": [  {  "id": "vxm5",  "type": "Feature",  "geometry": {  "type": "MultiPolygon",  "coordinates": [  [  [  ...  ]  ]  ]  },  "properties": {  "id": "vxm5",  "type": "plot",  "active": true,  "area\_m2": 6706.34,  "species": "Sengon",  "farmer\_id": "nouf",  "soil\_type": "Cambisol",  "legal\_status": null,  "survey\_count": 3,  "trees\_per\_ha": 303,  "planting\_date": "2015-01-01",  "plants\_planted": null,  "planting\_distance": "3x3",  "latest\_survey\_dbh\_mean": 19.5,  "latest\_survey\_treecount": 203,  "latest\_survey\_value\_ird": 51854007,  "latest\_survey\_value\_usd": 3571.44,  "latest\_survey\_height\_mean": 20.11,  "latest\_survey\_tree\_volume": 660.09  }  }, ... |

## 

## Surveys

|  |
| --- |
| {  "data": [  {  "object": "SurveyView",  "id": "e62k5d",  "farmer\_id": "nouf",  "trees\_per\_ha": "476",  "plot\_id": "vxm5",  "project\_name": "1mt",  "status\_id": null,  "date\_start": "2017-11-14",  "date\_end": "2017-11-14",  "notes": "Tanaman sengon tumbuh dengan baik",  "treecount": 319,  "dbh\_mean": "14.11",  "height\_mean": "12.90",  "tree\_volume": "479.39",  "value\_ird": "8164193.75",  "value\_usd": "562.31"  },  ... |

## 

## Trees

|  |
| --- |
| {  "data": [  {  "object": "TreeView",  "id": "ys8rqc",  "farmer\_id": "nouf",  "plot\_id": "vxm5",  "project\_name": "1mt",  "survey\_id": "e62k5d",  "dbh\_cm": "16.40",  "height\_m": "14.75",  "height\_calculated": false,  "health": 1,  "comment": null,  "timestamp": "2017-11-20T00:00:00+00:00",  "species": "Sengon",  "volume": "1.93520000000000000",  "point\_coords": "113.296497, -1.120923",  "accuracy": null  },  ... |