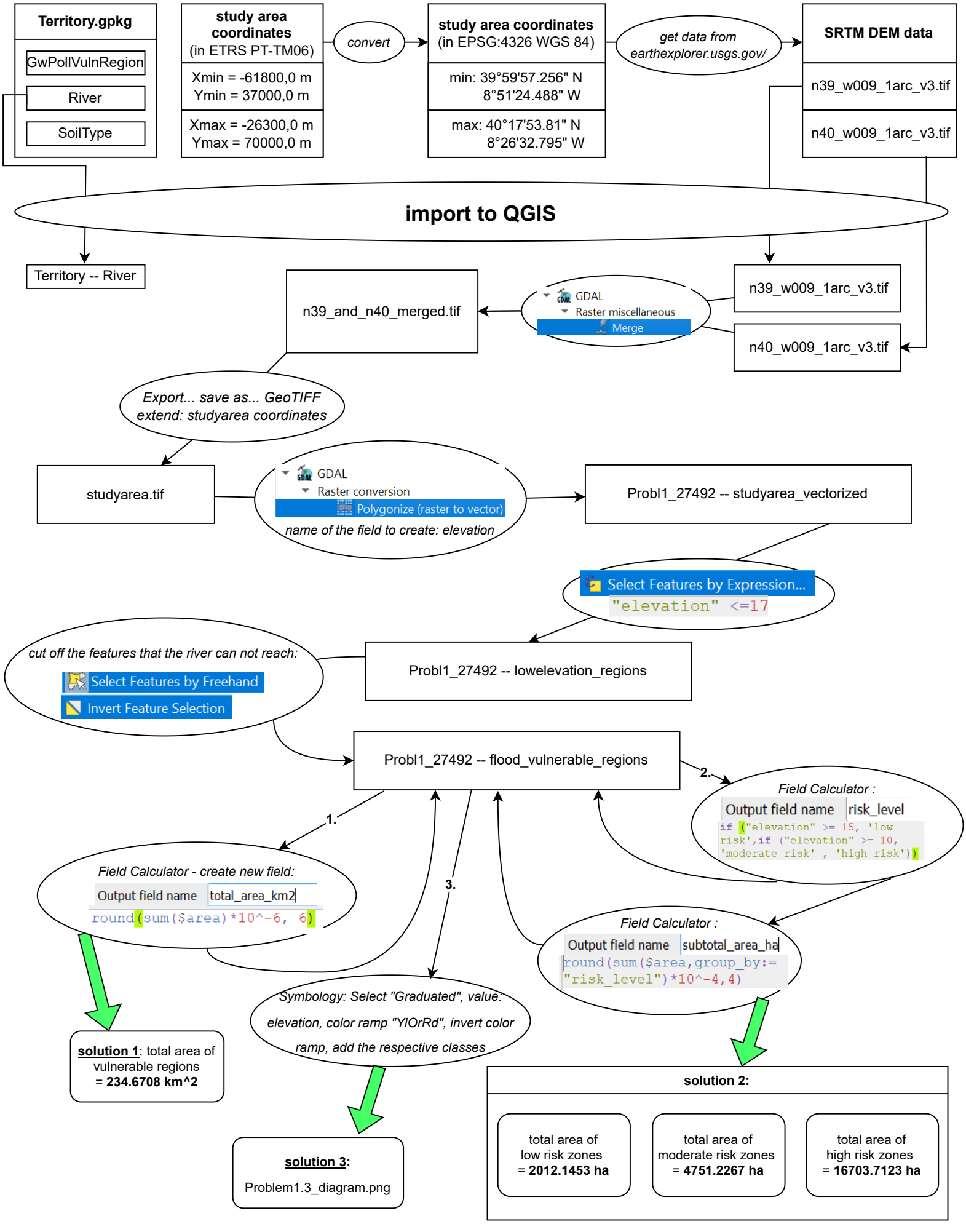
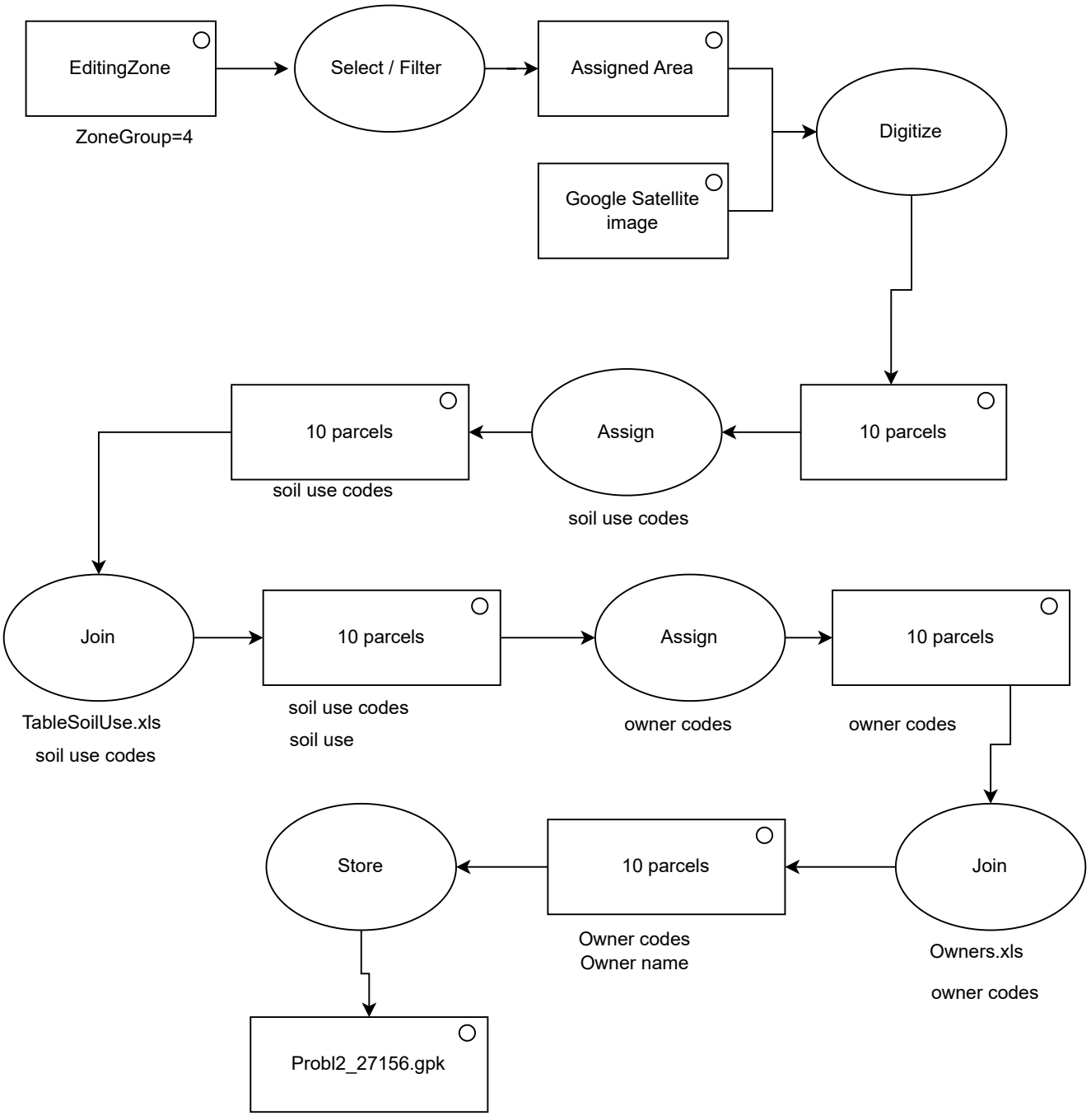
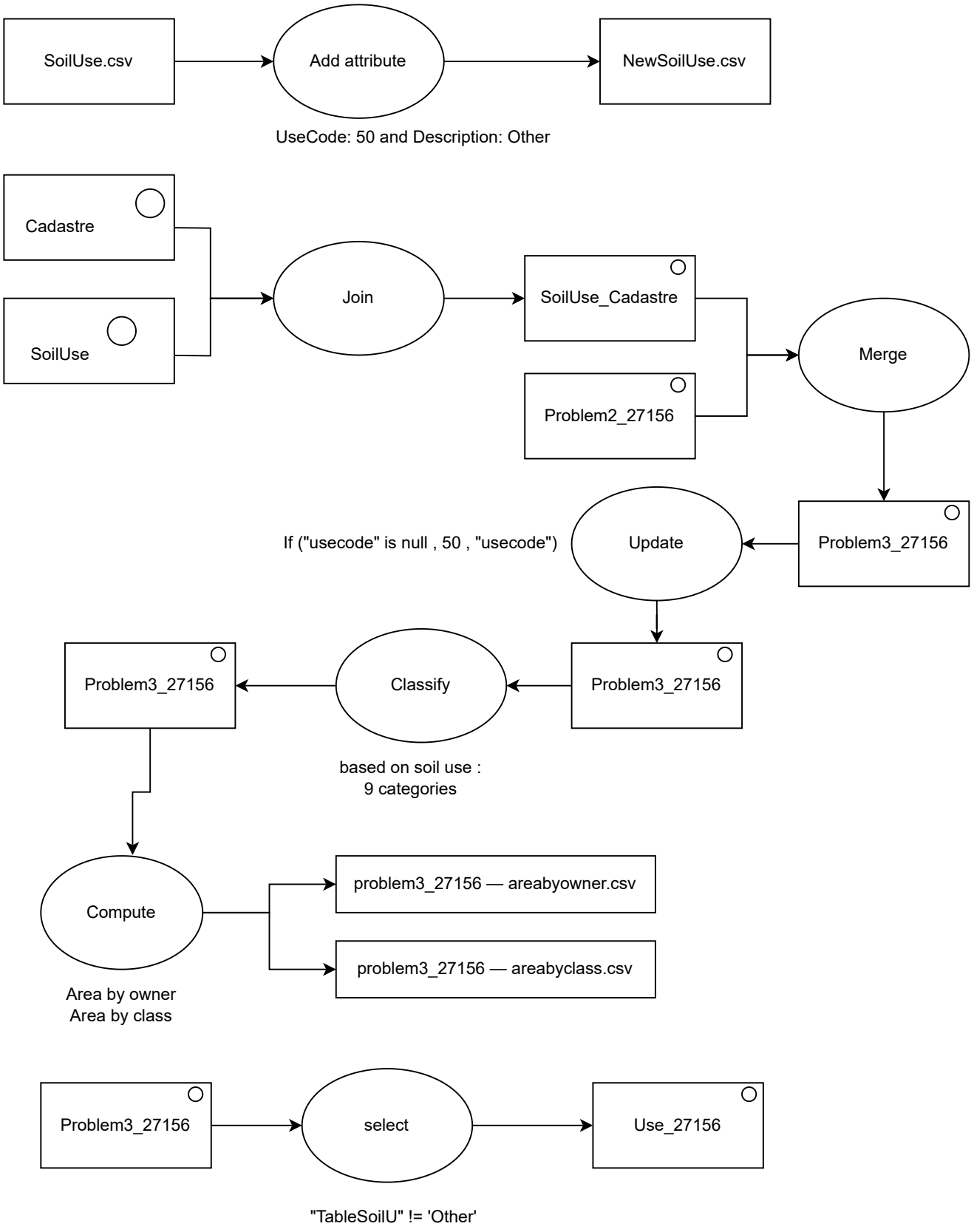
# Problem 1 - Workflow diagram



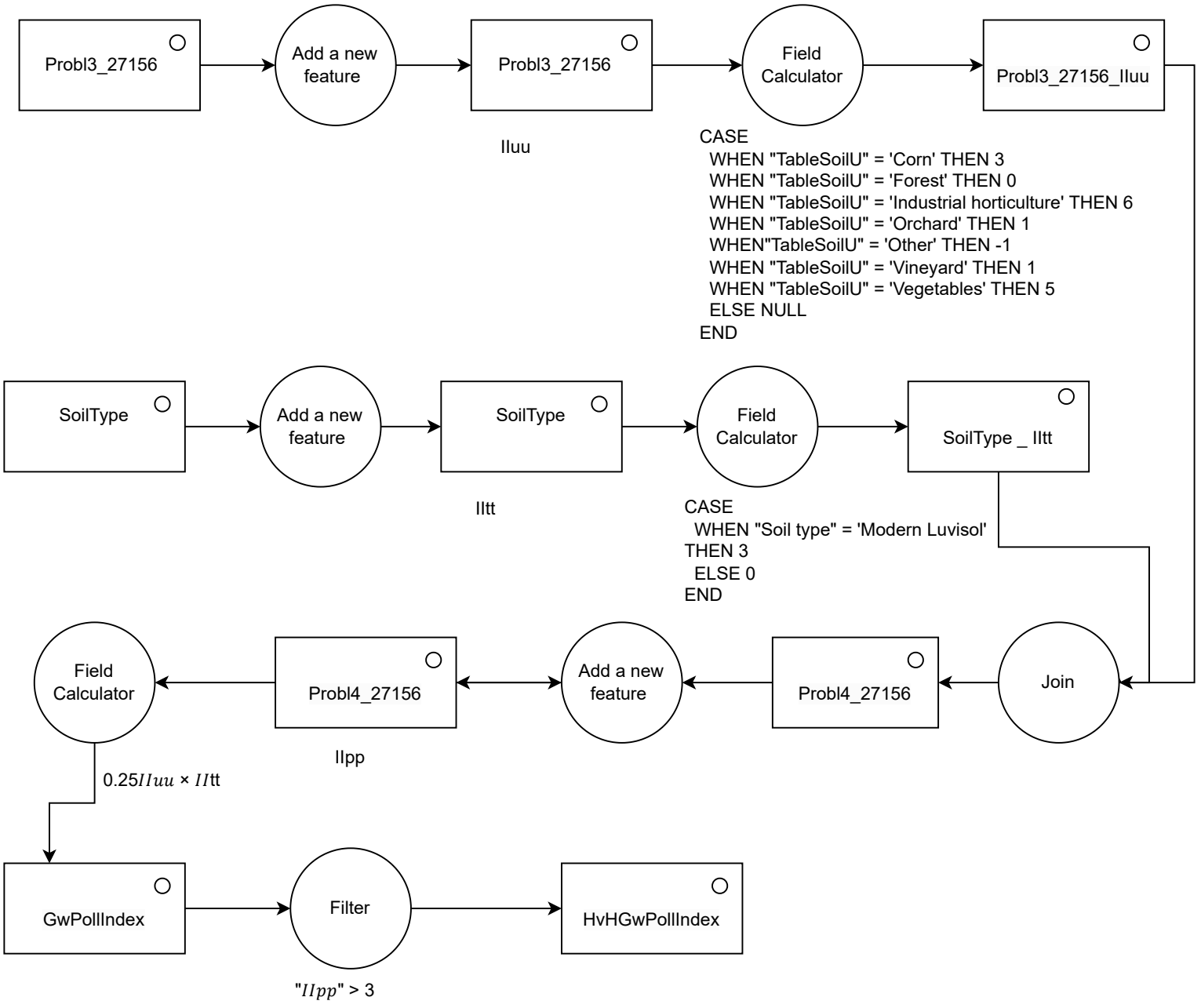
# Problem02


EditingZone
ZoneGroup=4
Select / Filter
Assigned Area
Google Satellite image
Digitize
10 parcels
Assign
10 parcels
soil use codes
soil use codes
Join
TableSoilUse.xls
soil use codes
10 parcels
soil use codes
soil use
Assign
owner codes
10 parcels
owner codes
Store
10 parcels
Owner codes
Owner name
Join
Owners.xls
owner codes
Probl2_27156.gpk

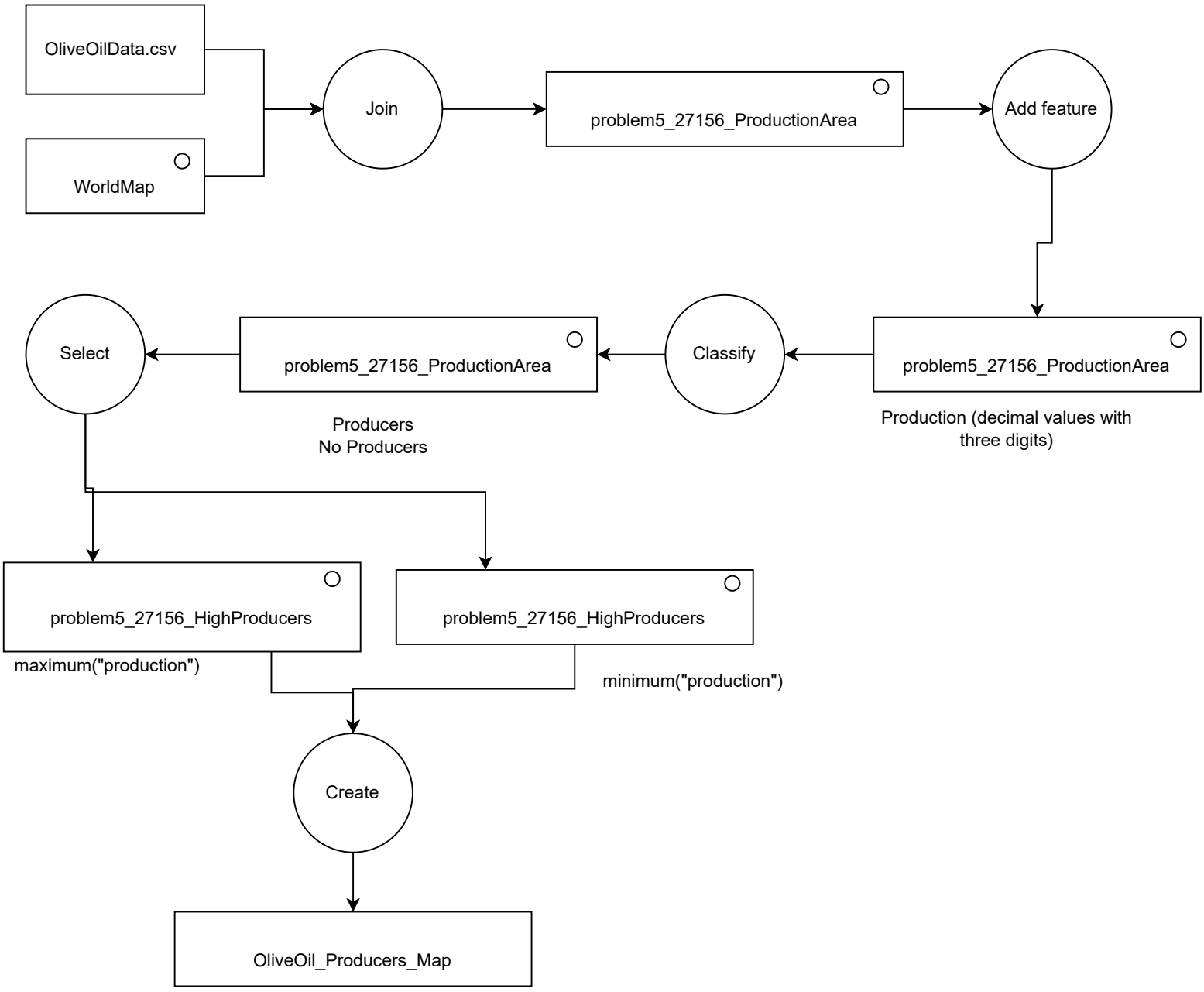
# Problem03


SoilUse.csv
Add attribute
NewSoilUse.csv
UseCode: 50 and Description: Other
Cadastre
SoilUse
Join
SoilUse_Cadastre
Problem2_27156
Merge
Problem3_27156
If ("usecode" is null , 50 , "usecode")
Update
Problem3_27156
Problem3_27156
Classify
Problem3_27156
based on soil use :
9 categories
Compute
problem3_27156 — areabyowner.csv
problem3_27156 — areabyclass.csv
Area by owner
Area by class
Problem3_27156
select
Use_27156
"TableSoilU" != 'Other'

# Problem 4


Probl3_27156
Add a new feature
Probl3_27156
Field Calculator
Probl3_27156_Iluu
Iluu
CASE
WHEN "TableSoilU" = 'Corn' THEN 3
WHEN "TableSoilU" = 'Forest' THEN 0
WHEN "TableSoilU" = 'Industrial horticulture' THEN 6
WHEN "TableSoilU" = 'Orchard' THEN 1
WHEN"TableSoilU" = 'Other' THEN -1
WHEN "TableSoilU" = 'Vineyard' THEN 1
WHEN "TableSoilU" = 'Vegetables' THEN 5
ELSE NULL
END
SoilType
Add a new feature
SoilType
Field Calculator
SoilType _ Iltt
Iltt
CASE
WHEN "Soil type" = 'Modern Luvisol'
THEN 3
ELSE 0
END
Field Calculator
Probl4_27156
Add a new feature
Probl4_27156
Join
Ilpp
0.25$IIuu$ × $II$tt
GwPollIndex
Filter
HvHGwPollIndex
"$IIpp$" > 3

# Problem 5


OliveOilData.csv
WorldMap
Join
problem5_27156_ProductionArea
Add feature
problem5_27156_ProductionArea
Production (decimal values with three digits)
Classify
problem5_27156_ProductionArea
Producers
No Producers
Select
problem5_27156_HighProducers
maximum("production")
problem5_27156_HighProducers
minimum("production")
Create
OliveOil_Producers_Map