

Python directory

C:\Python27

SPHY directory

C:\SPHY

PCraster directory

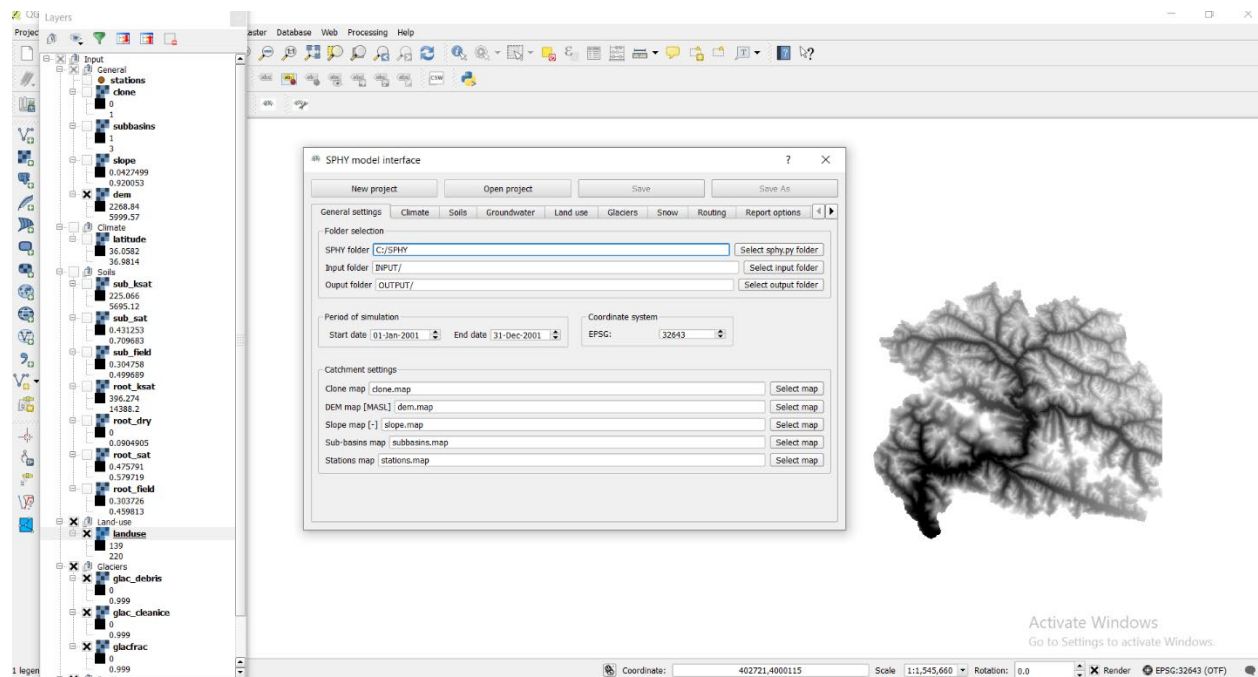
C:\Program Files (x86)\PCRaster40\bin

INPUT

C:\SPHY\INPUT

OUTPUT

C:\SPHY\OUTPUT



Layers

- Input
 - General
 - Climote
 - latitude
 - 36.0392
 - 36.9814
 - Soils
 - Land-use
 - Glaciers
 - Routing

SPHY model interface

New project Open project Save Save As

General settings Climate Soils Groundwater Land use Glaciers Snow Routing Report options

Meteorological forcing map-series

Precipitation [mm/d] forcing/prec Select map-series (*.001)

Avg. daily temperature [°C] forcing/Tair Select map-series (*.001)

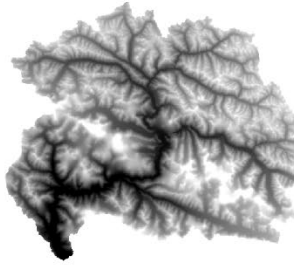
Max. daily temperature [°C] forcing/Tmax Select map-series (*.001)

Min. daily temperature [°C] forcing/Tmin Select map-series (*.001)

Meteorological parameters

Latitude zones latitude.map Select map

Solar constant [MJ/m2/min] 0.0820



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QGIS 2.8.2-Wien - SPHY_preHNZA1

Project Edit View Layer Settings Plugins Vector Raster Database Web Processing Help

Layers

- Input
- General
- Climote
- Soils
- sub_ksat (225.066, 5095.12)
- sub_sat (0.431253, 0.709683)
- sub_field (0.304758, 0.499689)
- root_ksat (396.274, 14388.2)
- root_dry (0, 0.0904905)
- root_sat (0.475791, 0.579719)
- root_field (0.303726, 0.459813)
- Land-use
- Glaciers

SPHY model interface

General settings | Climate | Soils | Groundwater | Land use | Glaciers | Snow | Routing | Report options

Rootzone physical maps

- Field capacity [mm/mm]: root_field.map
- Saturated content [mm/mm]: root_sat.map
- Permanent wilting point [mm/mm]: root_dry.map
- Wilting point [mm/mm]: root_wilt.map
- Saturated hydraulic conductivity [mm/d]: root_ksat.map

Subzone physical maps

- Field capacity [mm/mm]: sub_field.map
- Saturated content [mm/mm]: sub_sat.map
- Saturated hydraulic conductivity [mm/d]: sub_ksat.map

Root- and subzone parameters

- Rootlayer thickness [spatial map or single value]:
 - Single value [mm]: 400
 - Spatial map [mm]: [Select map]
- Sublayer thickness [spatial map or single value]:
 - Single value [mm]: 1600
 - Spatial map [mm]: [Select map]
- Maximum capillary rise [mm/d]: 5

Coordinate: 399449,3924213 Scale: 1:1,545,660 Rotation: 0.0

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Project Edit View Layer Settings Plugins Vector Raster Database Web Processing Help

Layers

- Input
- General
- Climote
- Soils
- sub_ksat (225.066, 5095.12)
- sub_sat (0.431253, 0.709683)
- sub_field (0.304758, 0.499689)
- root_ksat (396.274, 14388.2)
- root_dry (0, 0.0904905)
- root_sat (0.475791, 0.579719)
- root_field (0.303726, 0.459813)
- Land-use
- Glaciers

SPHY model interface

General settings | Climate | Soils | Groundwater | Land use | Glaciers | Snow | Routing | Report options

Groundwater volume settings

- Groundwater layer thickness [spatial map or single value]:
 - Single value [mm]: 3000
 - Spatial map [mm]: [Select map]
- Saturated groundwater content [spatial map or single value]:
 - Single value [mm]: 2000
 - Spatial map [mm]: [Select map]
- Initial groundwater storage [spatial map or single value]:
 - Single value [mm]: 1700
 - Spatial map [mm]: [Select map]

Parameters

- Baseflow threshold [spatial map or single value]:
 - Single value [mm]: 0
 - Spatial map [mm]: [Select map]
- deltaGw [spatial map or single value]:
 - Single value [d]: 3
 - Spatial map [d]: [Select map]
- alphaGw [spatial map or single value]:
 - Single value [-]: 0.50
 - Spatial map [-]: [Select map]

Coordinate: 244700,3925195 Scale: 1:1,545,660 Rotation: 0.0

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Project Edit View Layer Settings Plugins Vector Raster Database Web Processing Help

Layers

- Input
 - General
 - Climate
 - sub_keat
 - 223.066
 - 9095.12
 - sub_sat
 - 0.431253
 - 0.709683
 - sub_field
 - 0.304758
 - 0.499689
 - root_keat
 - 395.274
 - 14388.2
 - root_dry
 - 0
 - 0.0904905
 - root_sat
 - 0.472791
 - 0.579719
 - root_fleki
 - 0.303726
 - 0.459813
 - Land-use
 - Glaciers


SPHY model interface

New project Open project Save Save As

General settings Climate Soils Groundwater Land use Glaciers Snow Routing Report options

Land use map | landuse.map Select map

Crop coefficients lookup table | kc.tbl Select table



Coordinate: 256478,3918551 Scale: 1:1,545,660 Rotation: 0,0 Render EPSG:32643 (OTF)

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1	11	1.0
2	14	1.0
3	20	1.0
4	30	1.0
5	70	1.0
6	100	1.0
7	110	1.0
8	120	1.0
9	140	1.0
10	200	1.0
11	220	1.0
12		

Window UTF-8 INS

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Project Edit View Layer Settings Plugins Vector Raster Database Web Processing Help

Layers

- Input
- General
- Climate
- Soils
 - sub_ksat
 - 225.066
 - 3695.12
 - sub_sat
 - 0.431253
 - 0.709683
 - sub_field
 - 0.394758
 - 0.499689
 - root_ksat
 - 395.274
 - 14388.2
 - root_dry
 - 0
 - 0.0904905
 - root_sat
 - 0.475791
 - 0.579719
 - root_field
 - 0.303726
 - 0.419813
- Land-use
- Glaciers

SPHY model interface

New project Open project Save Save As

General settings Climate Soils Groundwater Land use **Glaciers** Snow Routing Report options

Glacier fraction settings

Initial glacier fraction [-]

Clean ice glacier fraction [-]

Debris covered glacier fraction [-]

GlacF [spatial map or single value]

Single value [-] Spatial map [-]


Glacier degree-day factors

DDFG [spatial map or single value]

Single value [mm degree-1 day-1] Spatial map [mm degree-1 day-1]

DDFG [spatial map or single value]

Single value [mm degree-1 day-1] Spatial map [mm degree-1 day-1]



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Coordinate: 446561,3918979 Scale: 1:1,545,660 Rotation: 0.0 Render EPSG:32643 (OTF)

