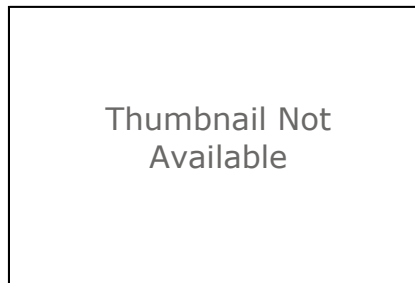


SEEMLA_MagL4biomass_HI_cntr

Shapefile



Tags

Marginal land, biomass production

Summary

This dataset was developed to locate marginal land available for biomass production for bioenergy purposes in Europe.

Description

The dataset includes marginal land, identified through the Muenchenberg SQR system, available for biomass production. Availability was determined by eliminating land that is either unfit or should not be used for bioenergy cropping. The following constraints were incorporated in the analysis, with regard to a sustainable cultivation of biomass crops:

1. Current land use (i.e. permanently irrigated land, urban fabric, etc)
2. Protected areas: Natura sites (EEA 2018) & nationally designated areas (EEA 2017) & World Database on Protected Areas (UNEP 2018)
3. High levels of soil organic carbon (peatlands as protected areas)
4. High nature value farmlands
5. Elevation over 1500 m

The dataset also includes information on the hazard indicators affecting the MagL and their biomass potential based on the Soil Biomass Productivity maps of grasslands and pasture, of croplands and of forest areas in the European Union (EU27), available through ESDAC.

Credits

The dataset was developed as part of the H2020 project "Sustainable exploitation of biomass for bioenergy from marginal lands in Europe" - SEEMLA (Project Grant Agreement no. 691874) by the Democritus University of Thrace.

Use limitations

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Extent

West -29.748315 **East** 48.899374
North 70.834482 **South** 34.317865

Scale Range

Maximum (zoomed in) 1:5,000
Minimum (zoomed out) 1:150,000,000

ArcGIS Metadata ►

Topics and Keywords ►

THEMES OR CATEGORIES OF THE RESOURCE environment, society, geoscientificInformation, farming, economy

* CONTENT TYPE Downloadable Data
 EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No

OTHER KEYWORDS Muenchenberg soil quality rating (SQR)

Hide Topics and Keywords ▲

Citation ►

* TITLE SEEMLA_MagL4biomass_HI_cnr
 ALTERNATE TITLES MagL available for biomass per European country
 CREATION DATE 2018-12-17 00:00:00
 PUBLICATION DATE 2018-12-21 00:00:00

EDITION December 2018
 EDITION DATE 2018-12-31

PRESENTATION FORMATS digital map

RESOURCE IDENTIFIER
 VALUE D6.6 SEEMLA

OTHER CITATION DETAILS

Dimitriadis, E., Gounaris, N., Vlachaki, D. & Galatsidas, S. (2018). GIS application – Final version (D6.6). In: SEEMLA project reports, supported by the EU's Horizon 2020 programme under GA No. 691874, Democritus University of Thrace, Orestiada, Greece.

Hide Citation ▲

Citation Contacts ►

RESPONSIBLE PARTY
 INDIVIDUAL'S NAME Spyridon Galatsidas
 ORGANIZATION'S NAME Democritus University of Thrace

CONTACT'S POSITION Assistant Professor
CONTACT'S ROLE point of contact

[Hide Citation Contacts ▲](#)

Resource Details ►

DATASET LANGUAGES Greek, Modern (1453-) (GREECE)
DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

SPATIAL REPRESENTATION TYPE vector

* PROCESSING ENVIRONMENT Version 6.2 (Build 9200) ; Esri ArcGIS 10.2.2.3552

CREDITS

The dataset was developed as part of the H2020 project "Sustainable exploitation of biomass for bioenergy from marginal lands in Europe" - SEEMLA (Project Grant Agreement no. 691874) by the Democritus University of Thrace.

ARCGIS ITEM PROPERTIES

* NAME SEEMLA_MagL4biomass_HI_cntr
* SIZE 177.229
* LOCATION file://\server-1\A P X E I
O\ΠΡΟΓΡΑΜΜΑΤΑ\ΕΓΚΕΚΡΙΜΕΝΑ\ΠΡΓ_32_SEEMLA\32_ΠΡΓ_Deliverables\WP6
\GIS\ForUpload_SEEMLA_website\SEEMLA_MagL4biomass_HI_cntr.shp
* ACCESS PROTOCOL Local Area Network

[Hide Resource Details ▲](#)

Extents ►

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

WEST LONGITUDE -31.378559
EAST LONGITUDE 59.462788
SOUTH LATITUDE 32.942461
NORTH LATITUDE 71.89664
EXTENT CONTAINS THE RESOURCE Yes

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching
* WEST LONGITUDE -29.748315
* EAST LONGITUDE 48.899374
* NORTH LATITUDE 70.834482
* SOUTH LATITUDE 34.317865
* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 2638059.218600
* EAST LONGITUDE 5958431.445300
* SOUTH LATITUDE 1452623.828100
* NORTH LATITUDE 5298915.924000
* EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

Resource Points of Contact ►

POINT OF CONTACT

INDIVIDUAL'S NAME Spyridon Galatsidas
 ORGANIZATION'S NAME Democritus University of Thrace
 CONTACT'S POSITION Assistant Professor
 CONTACT'S ROLE point of contact

CONTACT INFORMATION ►

ADDRESS
 TYPE
 E-MAIL ADDRESS sgalatsi@fmenr.duth.gr

[Hide Contact information ▲](#)[Hide Resource Points of Contact ▲](#)

Resource Maintenance ►

RESOURCE MAINTENANCE

UPDATE FREQUENCY as needed

[Hide Resource Maintenance ▲](#)

Resource Constraints ►

LEGAL CONSTRAINTS

ACCESS CONSTRAINTS copyright
 USE CONSTRAINTS intellectual property rights

CONSTRAINTS

LIMITATIONS OF USE

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[Hide Resource Constraints ▲](#)

Spatial Reference ►

ARCGIS COORDINATE SYSTEM

- * TYPE Projected
- * GEOGRAPHIC COORDINATE REFERENCE GCS_ETRS_1989
- * PROJECTION ETRS_1989_LAEA
- * COORDINATE REFERENCE DETAILS
 - PROJECTED COORDINATE SYSTEM
 - WELL-KNOWN IDENTIFIER 3035
 - X ORIGIN -8426600
 - Y ORIGIN -9526700
 - XY SCALE 353290001.83332509
 - Z ORIGIN -100000
 - Z SCALE 10000
 - M ORIGIN -100000
 - M SCALE 10000
 - XY TOLERANCE 0.001

Z TOLERANCE 0.001
M TOLERANCE 0.001
HIGH PRECISION true
LATEST WELL-KNOWN IDENTIFIER 3035
WELL-KNOWN TEXT PROJCS["ETRS_1989_LAEA",GEOGCS["GCS_ETRS_1989",DATUM
["D_ETRS_1989",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM
["Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION
["Lambert_Azimuthal_Equal_Area"],PARAMETER["false_easting",4321000.0],PARAMETER
["false_northing",3210000.0],PARAMETER["central_meridian",10.0],PARAMETER
["latitude_of_origin",52.0],UNIT["Meter",1.0],AUTHORITY["EPSG",3035]]

REFERENCE SYSTEM IDENTIFIER

VALUE 3035
* CODESPACE EPSG
* VERSION 8.2.6

[Hide Spatial Reference ▲](#)

Spatial Data Properties ►

VECTOR ►

* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME SEEMLA_MagL4biomass_HI_cntr
* OBJECT TYPE composite
* OBJECT COUNT 35752

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME SEEMLA_MagL4biomass_HI_cntr
* FEATURE TYPE Simple
* GEOMETRY TYPE Polygon
* HAS TOPOLOGY FALSE
* FEATURE COUNT 35752
* SPATIAL INDEX TRUE
* LINEAR REFERENCING FALSE

[Hide ArcGIS Feature Class Properties ▲](#)

[Hide Spatial Data Properties ▲](#)

Data Quality ►

SCOPE OF QUALITY INFORMATION ►

RESOURCE LEVEL dataset
SCOPE DESCRIPTION
DATASET
soil properties, elevation

[Hide Scope of quality information ▲](#)

DATA QUALITY REPORT - QUANTITATIVE ATTRIBUTE ACCURACY ►

MEASURE NAME SQR values

QUANTITATIVE TEST RESULTS

VALUE SQR

UNITS

SYMBOL [arb'U]

CODESPACE <http://aurora.regenstrief.org/UCUM>

GML PROPERTIES

UNIQUE IDENTIFIER ID0ABABAABAA

IDENTIFIER Unified Code of Units of Measure

CODESPACE GML_UomSymbol

[Hide Data quality report - Quantitative attribute accuracy ▲](#)

[Hide Data Quality ▲](#)

Lineage ►

LINEAGE STATEMENT

The lineage of the dataset is described in Dimitriadis, E., Gounaris, N., Vlachaki, D. & Galatsidas, S. (2018). GIS application – Final version (D6.6). In: SEEMLA project reports, supported by the EU's Horizon 2020 programme under GA No. 691874, Democritus University of Thrace, Orestiada, Greece.

PROCESS STEP ►

DESCRIPTION

All input datasets were converted into raster format with the following characteristics: Cell size: 500 m x 500 m The coordinate reference system is ETRS89-LAEA Europe, EPSG:3035. Latitude of Origin: 52 N Longitude of origin (Central Meridian): 10 E The resolution was selected following the resolution of the geospatial data available for soil texture classes from ESDAC. The selection was based on the fact that soil texture is itself one of the basic indicators for the calculation of SQR (BI1) and also a parameter for the calculation of two additional basic indicators (BI5 & BI6). Thus, the application of its resolution was selected to reflect substrate variations across Europe. Resampling for discrete data (e.g. land use) was performed using the nearest resampling algorithm whereas bilinear interpolation was applied for continuous data. Snap raster: USDA texture classes Transformations required: - Vector to raster - Project in the same coordinate system - Resample to determine common cell size - Snap raster to avoid minor shifts

RATIONALE

Each raster value was reclassified based on the SQR field manual, the SQR assessment scheme according to the Federal Institute for Geosciences and Natural Resources - BGR (2014) and adaptations made by BTU CS within the SEEMLA project.

PROCESS CONTACT

INDIVIDUAL'S NAME Elias Dimitriadis

CONTACT'S ROLE processor

PROCESS CONTACT

INDIVIDUAL'S NAME Despoina Vlachaki

CONTACT'S ROLE user

[Hide Process step ▲](#)

SOURCE DATA ►

DESCRIPTION

The entire list of geospatial datasets reviewed within the SEEMLA project either as indicators for the calculation of the SQR index, or as elimination criteria for MagL availability, are included in Annex I and their coverage of European countries is included in Annex II of D6.6.

SOURCE CITATION ►

TITLE Dimitriadis, E., Gounaris, N., Vlachaki, D. & Galatsidas, S. (2018a). GIS application – Final version (D6.6). In: SEEMLA project reports, supported by the EU's Horizon 2020 programme under GA No. 691874, Democritus University of Thrace, Orestiada, Greece.

CREATION DATE 2018-12-19 00:00:00

EDITION DATE 2018-12-19

RESOURCE IDENTIFIER

VALUE SQR

REFERENCE THAT DEFINES THE VALUE ►

TITLE Dimitriadis, E., Gounaris, N., Vlachaki, D. & Galatsidas, S. (2018a). GIS application – Final version (D6.6). In: SEEMLA project reports, supported by the EU's Horizon 2020 programme under GA No. 691874, Democritus University of Thrace, Orestiada, Greece.

CREATION DATE 2018-12-17 00:00:00

Hide Reference that defines the value ▲

Hide Source citation ▲

Hide Source data ▲

Hide Lineage ▲

Geoprocessing history ►

PROCESS

PROCESS NAME Raster to Polygon

DATE 2018-11-22 11:21:55

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.2\ArcToolbox\Toolboxes\Conversion Tools.tbx\RasterToPolygon

COMMAND ISSUED

RasterToPolygon H:\SEEMLAfin\SEEMLA_outputs_V11.gdb\Int_magl4biob
H:\SEEMLAfin\SEEMLA_outputs_V11.gdb\shp\MagL4biob SIMPLIFY Value

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2018-11-23 15:57:24

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.2\ArcToolbox\Toolboxes\Data Management Tools.tbx\Dissolve

COMMAND ISSUED

Dissolve H:\SEEMLAfin\SEEMLA_outputs_V11.gdb\shp\MagL4biob
H:\SEEMLAfin\Final_shp\MagL4bio_dis.shp gridcode "Shape_Area SUM" MULTI_PART

DISSOLVE_LINES
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2018-11-27 10:27:06
 TOOL LOCATION c:\program files (x86)\arcgis\desktop10.2\ArcToolbox\Toolboxes\Analysis
 Tools.tbx\Erase
 COMMAND ISSUED
 Erase MagL4bio_dis EC5_WDPA_Ukraine
 H:\SEEMLAfin\Final_shp\MagL4bio_dis_Erase.shp #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME Intersect
 DATE 2018-11-29 10:35:12
 TOOL LOCATION c:\program files (x86)\arcgis\desktop10.2\ArcToolbox\Toolboxes\Analysis
 Tools.tbx\Intersect
 COMMAND ISSUED
 Intersect "H:\SEEMLAfin\Final_shp\MagL4bio_dis_Erase.shp
 #;H:\SEEMLAfin\New\Min_multip_HIb_polygons_Dis_SP_ID.shp #"
 H:\SEEMLAfin\Final_shp\MagL4biob_HI.shp ALL # INPUT
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2018-11-29 10:53:10
 TOOL LOCATION c:\program files (x86)\arcgis\desktop10.2\ArcToolbox\Toolboxes\Analysis
 Tools.tbx\Identity
 COMMAND ISSUED
 Identity MagL4biob_HI
 H:\SEEMLAfin\Final_rasters\SEEMLA_outputs_V11.gdb\shp\Biomass_productivity
 H:\SEEMLAfin\Final_shp\MagL4biob_HI_prod.shp ALL # NO_RELATIONSHIPS
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2018-11-29 11:01:09
 TOOL LOCATION c:\program files (x86)\arcgis\desktop10.2\ArcToolbox\Toolboxes\Data
 Management Tools.tbx\Dissolve
 COMMAND ISSUED
 Dissolve MagL4biob_HI_prod H:\SEEMLAfin\Final_shp\MagL4biob_HI_prod_dis.shp
 gridcode;gridcode_1;HI;HI_count;HI_multipl;gridcode_2 # MULTI_PART
 DISSOLVE_LINES
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2018-11-29 11:23:45
 TOOL LOCATION c:\program files (x86)\arcgis\desktop10.2\ArcToolbox\Toolboxes\Data
 Management Tools.tbx\AddField
 COMMAND ISSUED
 AddField MagL4biob_HI_prod_dis SQR SHORT # # # # NULLABLE NON_REQUIRED #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2018-11-29 11:24:07
 TOOL LOCATION c:\program files (x86)\arcgis\desktop10.2\ArcToolbox\Toolboxes\Data

Management Tools.tbx\AddField

COMMAND ISSUED

```
AddField MagL4biob_HI_prod_dis HI_id SHORT # # # # NULLABLE NON_REQUIRED #  
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No
```

PROCESS

PROCESS NAME

DATE 2018-11-29 11:24:33

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.2\ArcToolbox\Toolboxes\Data
Management Tools.tbx\AddField

COMMAND ISSUED

```
AddField MagL4biob_HI_prod_dis Biom_prod SHORT # # # # NULLABLE NON_REQUIRED #  
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No
```

PROCESS

PROCESS NAME

DATE 2018-11-29 11:25:13

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.2\ArcToolbox\Toolboxes\Data
Management Tools.tbx\AddField

COMMAND ISSUED

```
AddField MagL4biob_HI_prod_dis Area FLOAT # # # # NULLABLE NON_REQUIRED #  
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No
```

PROCESS

PROCESS NAME

DATE 2018-11-29 11:26:23

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.2\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField

COMMAND ISSUED

```
CalculateField MagL4biob_HI_prod_dis SQR [gridcode] VB #  
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No
```

PROCESS

PROCESS NAME

DATE 2018-11-29 11:26:50

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.2\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField

COMMAND ISSUED

```
CalculateField MagL4biob_HI_prod_dis HI_id [gridcode_1] VB #  
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No
```

PROCESS

PROCESS NAME

DATE 2018-11-29 11:27:11

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.2\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField

COMMAND ISSUED

```
CalculateField MagL4biob_HI_prod_dis Biom_prod [HI_multipl] VB #  
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No
```

PROCESS

PROCESS NAME

DATE 2018-11-29 11:27:33

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.2\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField

COMMAND ISSUED

```
CalculateField MagL4biob_HI_prod_dis Biom_prod [gridcode_2] VB #  
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No
```

PROCESS

PROCESS NAME

DATE 2018-11-29 11:28:06

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.2\ArcToolbox\Toolboxes\Data Management Tools.tbx\DeleteField

COMMAND ISSUED

DeleteField MagL4biob_HI_prod_dis gridcode;gridcode_1;gridcode_2

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2018-12-17 12:12:41

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.2\ArcToolbox\Toolboxes\Data Management Tools.tbx\MultipartToSinglepart

COMMAND ISSUED

MultipartToSinglepart

W:\ПРОГРАММАТА\ΕΓΚΕΚΡΙΜΕΝΑ\ΠΡΓ_32_SEEMLA\32_ΠΡΓ_Deliverables\WP6\D6.6\GIS_outputs\shp\MagL4biob_HI_prod_dis.shp

W:\ПРОГРАММАТА\ΕΓΚΕΚΡΙΜΕΝΑ\ΠΡΓ_32_SEEMLA\32_ΠΡΓ_Deliverables\WP6\D6.6\GIS_outputs\shp\MagL4biob_HI_prod_dis_SP.shp

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2018-12-17 13:21:22

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.2\ArcToolbox\Toolboxes\Conversion Tools.tbx\FeatureClassToFeatureClass

COMMAND ISSUED

FeatureClassToFeatureClass

W:\ПРОГРАММАТА\ΕΓΚΕΚΡΙΜΕΝΑ\ΠΡΓ_32_SEEMLA\32_ΠΡΓ_Deliverables\WP6\D6.6\GIS_outputs\shp\MagL4biob_HI_prod_dis_SP.shp

H:\SEEMLAfin\Final_shp\Finals4upload.gdb MagL4biob_HI_prod_dis_SP # "HI "HI" true true false 254 Text 0

0 ,First,#,W:\ПРОГРАММАТА\ΕΓΚΕΚΡΙΜΕΝΑ\ΠΡΓ_32_SEEMLA\32_ΠΡΓ_Deliverables\WP6\D6.6\GIS_outputs\shp\MagL4biob_HI_prod_dis_SP.shp,HI,-1,-1;HI_count "HI_count" true true false 19 Double 0

0 ,First,#,W:\ПРОГРАММАТА\ΕΓΚΕΚΡΙΜΕΝΑ\ΠΡΓ_32_SEEMLA\32_ΠΡΓ_Deliverables\WP6\D6.6\GIS_outputs\shp\MagL4biob_HI_prod_dis_SP.shp,HI_count,-1,-1;HI_multipl "HI_multipl" true true false 9 Long 0

9 ,First,#,W:\ПРОГРАММАТА\ΕΓΚΕΚΡΙΜΕΝΑ\ΠΡΓ_32_SEEMLA\32_ΠΡΓ_Deliverables\WP6\D6.6\GIS_outputs\shp\MagL4biob_HI_prod_dis_SP.shp,HI_multipl,-1,-1;SQR "SQR" true true false 4 Short 0

4 ,First,#,W:\ПРОГРАММАТА\ΕΓΚΕΚΡΙΜΕΝΑ\ΠΡΓ_32_SEEMLA\32_ΠΡΓ_Deliverables\WP6\D6.6\GIS_outputs\shp\MagL4biob_HI_prod_dis_SP.shp,SQR,-1,-1;HI_id "HI_id" true true false 4 Short 0

4 ,First,#,W:\ПРОГРАММАТА\ΕΓΚΕΚΡΙΜΕΝΑ\ΠΡΓ_32_SEEMLA\32_ΠΡΓ_Deliverables\WP6\D6.6\GIS_outputs\shp\MagL4biob_HI_prod_dis_SP.shp,HI_id,-1,-1;Biom_prod "Biom_prod" true true false 4 Short 0

4 ,First,#,W:\ПРОГРАММАТА\ΕΓΚΕΚΡΙΜΕΝΑ\ΠΡΓ_32_SEEMLA\32_ΠΡΓ_Deliverables\WP6\D6.6\GIS_outputs\shp\MagL4biob_HI_prod_dis_SP.shp,Biom_prod,-1,-1;Area "Area" true true false 13 Float 0

0 ,First,#,W:\ПРОГРАММАТА\ΕΓΚΕΚΡΙΜΕΝΑ\ΠΡΓ_32_SEEMLA\32_ΠΡΓ_Deliverables\WP6\D6.6\GIS_outputs\shp\MagL4biob_HI_prod_dis_SP.shp,Area,-1,-1;ORIG_FID "ORIG_FID" true true false 9 Long 0

9 ,First,#,W:\ПРОГРАММАТА\ΕΓΚΕΚΡΙΜΕΝΑ\ΠΡΓ_32_SEEMLA\32_ΠΡΓ_Deliverables\WP6\D6.6\GIS_outputs\shp\MagL4biob_HI_prod_dis_SP.shp,ORIG_FID,-1,-1" #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2018-12-18 09:57:06

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.2\ArcToolbox\Toolboxes\Analysis Tools.tbx\Identity

COMMAND ISSUED

Identity MagL4biob_HI_prod_dis_SP TM_WORLD_BORDERS_etr
H:\SEEMLAfin\Final_shp\Finals4upload.gdb\MagL4biob_HI_prod_dis_SP_cntr ALL #
NO_RELATIONSHIPS

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2018-12-18 10:55:42

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.2\ArcToolbox\Toolboxes\Data Management Tools.tbx\Dissolve

COMMAND ISSUED

Dissolve MagL4biob_HI_prod_dis_SP_cntr
H:\SEEMLAfin\Final_shp\Finals4upload.gdb\MagL4biob_HI_prod_dis_SP_cntr_dis
HI;HI_count;HI_multipl;SQR;HI_id;Biom_prod;NAME;EU_members # MULTI_PART
DISSOLVE_LINES

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

Hide Geoprocessing history ▲

Distribution ►

DISTRIBUTION FORMAT

* NAME Shapefile

VERSION ArcGIS 10.2.2

TRANSFER OPTIONS

TRANSFER SIZE 720.807

ONLINE SOURCE

LOCATION <http://seemla.eu/en/project-deliverables/>

FUNCTION PERFORMED download

Hide Distribution ▲

Fields ►

DETAILS FOR OBJECT [SEEMLA_MagL4biomass_HI_cntr ►](#)

* TYPE Feature Class

* ROW COUNT 35752

DEFINITION

Esri feature class

DEFINITION SOURCE

Esri

FIELD FID ►

* ALIAS FID

* DATA TYPE OID

* WIDTH 4

* PRECISION 0

* SCALE 0

* FIELD DESCRIPTION

Internal feature number.

* DESCRIPTION SOURCE

Esri

* DESCRIPTION OF VALUES

Sequential unique whole numbers that are automatically generated.

Hide Field FID ▲

FIELD Shape ►

* ALIAS Shape

* DATA TYPE Geometry

* WIDTH 0

* PRECISION 0

* SCALE 0

* FIELD DESCRIPTION

Feature geometry.

* DESCRIPTION SOURCE

Esri

* DESCRIPTION OF VALUES

Coordinates defining the features.

Hide Field Shape ▲

FIELD HI ►

* ALIAS HI

* DATA TYPE String

* WIDTH 254

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

13 hazard indicators are examined including further factors influencing soil conditions and ecological functions (H 1: contamination, H 2: salinization, H 3: sodification, H 4: acidification, H 5: low total nutrient status, H 6: soil depth above hard rock, H 7: drought, H 8: flooding or extreme waterlogging, H 9: steep slope, H 10: rock at the surface, H 11: high percentage of coarse soil texture fragments, H 12: unsuitable soil thermal regime, H 13: miscellaneous hazards). For each hazard indicator the SQR guidelines provide multipliers on a ratio scale between 0 and 3. The lowest multiplier found (i.e. the most important hazard for the respective site) is used to calculate the final SQR score which is within a range between 0 and 100.

DESCRIPTION SOURCE

Muenchenberg SQR scheme

RANGE OF VALUES

MINIMUM VALUE 0

MAXIMUM VALUE 3

Hide Field HI ▲

FIELD HI_count ▶

- * ALIAS HI_count
- * DATA TYPE Double
- * WIDTH 19
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Count of HI with the lowest multiplier values

DESCRIPTION SOURCE

Count

DESCRIPTION OF VALUES

Count of hazard indicators affecting the marginal land

Hide Field HI_count ▲

FIELD HI_multipl ▶

- * ALIAS HI_multipl
- * DATA TYPE Integer
- * WIDTH 9
- * PRECISION 9
- * SCALE 0

FIELD DESCRIPTION

Multiplier range of the hazard indicators

DESCRIPTION SOURCE

DUTH

DESCRIPTION OF VALUES

- 1: Multiplier range between 0 - 0.5 (major impact on land productivity - definite marginality factor)
- 2: Multiplier range between 0.5 - 1 (important impact on land productivity - potentiial marginality factor)
- 3: Multiplier range between 1 - 1.5 (minor impact on land productivity)
- 4: Multiplier range between 0 - 0.5 (major impact on land productivity)

Hide Field HI_multipl ▲

FIELD SQR ▶

- * ALIAS SQR
- * DATA TYPE SmallInteger
- * WIDTH 4
- * PRECISION 4
- * SCALE 0

FIELD DESCRIPTION

Soil Quality Rating values

DESCRIPTION SOURCE

Soil Quality Rating (Mueller et al., 2007)

RANGE OF VALUES

MINIMUM VALUE 0
 MAXIMUM VALUE 102

[Hide Field SQR ▲](#)

FIELD Biom_prod ►

* ALIAS Biom_prod
 * DATA TYPE SmallInteger
 * WIDTH 4
 * PRECISION 4
 * SCALE 0

FIELD DESCRIPTION

Soil Biomass Productivity maps of grasslands and pasture, of croplands and of forest areas in the European Union (EU27)
<http://esdac.jrc.ec.europa.eu/content/soil-biomass-productivity-maps-grasslands-and-pasture-croplands-and-forest-areas-european>

DESCRIPTION SOURCE

ESDAC

RANGE OF VALUES

MINIMUM VALUE 0
 MAXIMUM VALUE 10
 UNITS OF MEASURE No units

[Hide Field Biom_prod ▲](#)

FIELD NAME ►

* ALIAS NAME
 * DATA TYPE String
 * WIDTH 50
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

Country name

DESCRIPTION SOURCE

Name

DESCRIPTION OF VALUES

Country name

[Hide Field NAME ▲](#)

FIELD EU_members ►

* ALIAS EU_members
 * DATA TYPE SmallInteger
 * WIDTH 4
 * PRECISION 4
 * SCALE 0

FIELD DESCRIPTION

EU member marked with 1

DESCRIPTION SOURCE

World borders

DESCRIPTION OF VALUES

Yes or no values, represented by 1 and 0 correspondingly

[Hide Field EU_members ▲](#)

FIELD Shape_Leng ►

* ALIAS Shape_Leng

* DATA TYPE Double

* WIDTH 19

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Shape length

DESCRIPTION SOURCE

Esri

DESCRIPTION OF VALUES

Positive real numbers

[Hide Field Shape_Leng ▲](#)

FIELD Shape_Area ►

* ALIAS Shape_Area

* DATA TYPE Double

* WIDTH 19

* PRECISION 0

* SCALE 0

* FIELD DESCRIPTION

Area of feature in internal units squared.

* DESCRIPTION SOURCE

Esri

* DESCRIPTION OF VALUES

Positive real numbers that are automatically generated.

[Hide Field Shape_Area ▲](#)

[Hide Details for object SEEMLA_MagL4biomass_HI_cntr ▲](#)

[Hide Fields ▲](#)

Metadata Details ►

METADATA LANGUAGE English (GREECE)
METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

METADATA IDENTIFIER MagL4bio_17122018

SCOPE OF THE DATA DESCRIBED BY THE METADATA dataset
SCOPE NAME * dataset

* LAST UPDATE 2018-12-27

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0
METADATA STYLE ISO 19139 Metadata Implementation Specification
STANDARD OR PROFILE USED TO EDIT METADATA ISO19139

CREATED IN ARCGIS FOR THE ITEM 2018-12-27 12:50:45
LAST MODIFIED IN ARCGIS FOR THE ITEM 2018-12-27 13:43:42

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes
LAST UPDATE 2018-12-27 13:43:42

[Hide Metadata Details ▲](#)

Metadata Contacts ►

METADATA CONTACT

INDIVIDUAL'S NAME Spyridon Galatsidas
ORGANIZATION'S NAME Democritus University of Thrace
CONTACT'S POSITION Assistant Professor
CONTACT'S ROLE point of contact

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[Hide Contact information ▲](#)

[Hide Metadata Contacts ▲](#)

Metadata Maintenance ►

MAINTENANCE

UPDATE FREQUENCY as needed

[Hide Metadata Maintenance ▲](#)

FGDC Metadata (read-only) ▼