



Catalogue of MARS geodatabase raster features, version 2

**Data available in
“MARSgeoDB_raster_v2.gdb” as
ESRI GEODATABASE format at:
<http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/>**

WP 5.1.1

Lidija Globevnik, Maja Koprivšek, Luka Snoj

University of Ljubljana

19.1.2017

New feature classes:

- m_pp_2001_2010_1km2_badc
- m_pp_djf_2001_2010_1km2_badc
- m_pp_jja_2001_2010_1km2_badc
- m_pp_mam_2001_2010_1km2_badc
- m_pp_son_2001_2010_1km2_badc
- m_pp_2001_2010_1km2_jrc
- m_pp_djf_2001_2010_1km2_jrc
- m_pp_jja_2001_2010_1km2_jrc
- m_pp_mam_2001_2010_1km2_jrc
- m_pp_son_2001_2010_1km2_jrc
- m_p1_2001_2010_1km2_jrc
- m_p7_2001_2010_1km2_jrc
- m_t_2001_2010_1km2_jrc
- m_t_djf_2001_2010_1km2_jrc
- m_t_jja_2001_2010_1km2_jrc
- m_t_mam_2001_2010_1km2_jrc
- m_t_son_2001_2010_1km2_jrc
- m_t_2001_2010_1km2_jrc
- m_t_2001_2010_1km2_jrc

Title	Altitude
Name of feature class	m_altitude
Current version	1.0
Status	
Creation / Publication Date / Last Update	30.9.2015
Abstract / Definition	Grid of altitude in metres above sea level
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	Raster
Spatial Resolution / Equivalent Scale	30 arc-seconds (~ 767,73 m × 767,73 m)
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	EEA, Digital Elevation Model over Europe (EU DEM) http://www.eea.europa.eu/data-and-maps/data/eu-dem m_geodatabase_extent
Additional Information, Comments	

Title	Slope
Name of feature class	m_slope
Current version	1.0
Status	
Creation / Publication Date / Last Update	30.9.2015
Abstract / Definition	Grid of slope in percent raise
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	Raster
Spatial Resolution / Equivalent Scale	30 arc-seconds (~ 767,73 m × 767,73 m)
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	EEA, Digital Elevation Model over Europe (EU DEM) http://www.eea.europa.eu/data-and-maps/data/eu-dem m_geodatabase_extent
Additional Information, Comments	Mean slope of grid cell derived from m_altitude.

Title	Population count
Name of feature class	m_population_count_gpw
Current version	1.0
Status	
Creation / Publication Date / Last Update	30.9.2015
Abstract / Definition	Number of inhabitants per grid cell
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	Raster
Spatial Resolution / Equivalent Scale	2.5 arc-minute (~ 4286,64 m × 4286,64 m)
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	SEDAC, Gridded Population of the World, population Count Grid, v3 http://sedac.ciesin.columbia.edu/data/set/gpw-v3-population-count m_geodatabase_extent
Additional Information, Comments	Data are for year 2000.

Title	Population density
Name of feature class	m_population_density_gpw
Current version	1.0
Status	
Creation / Publication Date / Last Update	30.9.2015
Abstract / Definition	population density [inhabitants/km2]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	Raster
Spatial Resolution / Equivalent Scale	2.5 arc-minute (~ 4286,64 m × 4286,64 m)
Spatial Extent	Europe
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	SEDAC, Gridded Population of the World, Population Density Grid, v3 http://sedac.ciesin.columbia.edu/data/set/gpw-v3-population-density
Additional Information, Comments	Data are for year 2000.

Title	Population density disaggregated with Corine land cover 2000
Name of feature class	m_population_density_jrc
Current version	1.0
Status	
Creation / Publication Date / Last Update	30.9.2015
Abstract / Definition	population density disaggregated with Corine land cover 2000 [inhabitants/km2]
Author / Custodian / Contact	Joint Research Centre http://www.eea.europa.eu/data-and-maps/data-providers-and-partners/the-joint-research-centre
Maintenance / Planned Update	
Spatial representation type	Raster
Spatial Resolution / Equivalent Scale	100 m × 100 m
Spatial Extent	EU-28 countries + Liechtenstein
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	EEA, Population density disaggregated with Corine land cover 2000 http://www.eea.europa.eu/data-and-maps/data/population-density-disaggregated-with-corine-land-cover-2000-2#tab-gis-data
Additional Information, Comments	

Title	MARS land cover																														
Name of feature class	m_land_cover																														
Current version	1.0																														
Status																															
Creation / Publication Date / Last Update	30.9.2015																														
Abstract / Definition	Corine land cover 2006 level 2 with CLC 2000 for Greece, expand to MARS geodatabase extent using GlobCorine 2009																														
Author / Custodian / Contact	University of Ljubljana																														
Maintenance / Planned Update																															
Spatial representation type	Raster																														
Spatial Resolution / Equivalent Scale	100 m × 100 m																														
Spatial Extent	MARS geodatabase extent																														
Distribution Format	ESRI geodatabase raster dataset																														
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/																														
Data Sources	<ul style="list-style-type: none"> - CLC2006, v17 http://www.eea.europa.eu/data-and-maps/data/corine-land-cover-2006-raster-3 - CLC2000Greece, - GlobCorine2009 (© ESA 2010 and UCLouvain) http://ionia1.esrin.esa.int/globcorine - m_geodatabase_extent 																														
Additional Information, Comments	<p>CORINE land cover layer 2006 (100 m resolution) was supplemented with CLC2000 vector layer for Greece. For area inside MARS geodatabase extent, which are not covered with Corine land cover dataset, GlobCorine2009 dataset has been used.</p> <p>GlobCorine2009 raster has been resampled from 300 m to 100 m resolution and reclassified to Corine land cover, label 2 nomenclature (see table below).</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>GlobCorine Value</th> <th>GlobCorine Label</th> <th>CLC (label 2)</th> <th>M_CLC_2</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>Urban and associated areas</td> <td>11, 12, 13, 14</td> <td>11</td> </tr> <tr> <td>20</td> <td>Rainfed cropland</td> <td>21, 22</td> <td>22</td> </tr> <tr> <td>30</td> <td>Irrigated cropland</td> <td>21</td> <td>21</td> </tr> <tr> <td>40</td> <td>Forest</td> <td>31</td> <td>31</td> </tr> <tr> <td>50</td> <td>Heathland and sclerophyllous vegetation</td> <td>32</td> <td>32</td> </tr> <tr> <td>60</td> <td>Grassland</td> <td>23, 32</td> <td>23</td> </tr> </tbody> </table>			GlobCorine Value	GlobCorine Label	CLC (label 2)	M_CLC_2	10	Urban and associated areas	11, 12, 13, 14	11	20	Rainfed cropland	21, 22	22	30	Irrigated cropland	21	21	40	Forest	31	31	50	Heathland and sclerophyllous vegetation	32	32	60	Grassland	23, 32	23
GlobCorine Value	GlobCorine Label	CLC (label 2)	M_CLC_2																												
10	Urban and associated areas	11, 12, 13, 14	11																												
20	Rainfed cropland	21, 22	22																												
30	Irrigated cropland	21	21																												
40	Forest	31	31																												
50	Heathland and sclerophyllous vegetation	32	32																												
60	Grassland	23, 32	23																												

	70	Sparsely vegetated area	33	33
	80	Vegetated low-lying areas on regularly flooded soil	41, 42	41
	90	Bare areas	33	33
	100	Complex cropland	24	24
	110	Mosaic cropland / natural vegetation	24	24
	120	Mosaic of natural vegetation (herbaceous, shrub, tree)	32	32
	200	Water bodies	51, 52	51
	210	Permanent snow and ice	33	33
	230	No data	no data	no data

Title	Average yearly precipitation 1950 - 2000
Name of feature class	m_pp_1950_2000
Current version	1.0
Status	
Creation / Publication Date / Last Update	30.9.2015
Abstract / Definition	average yearly precipitation for period 1950-2000 [mm]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	30 arc-seconds (~619,89 m × 619,89 m)
Spatial Extent	Europe
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	WorldClim, version 1.4 http://www.worldclim.org/
Additional Information, Comments	

Title	Average January monthly precipitation 1950 - 2000
Name of feature class	m_pp1_1950_2000
Current version	1.0
Status	
Creation / Publication Date / Last Update	30.9.2015
Abstract / Definition	average January monthly precipitation for period 1950-2000 [mm]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	30 arc-seconds (~619,89 m × 619,89 m)
Spatial Extent	Europe
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	WorldClim, version 1.4 http://www.worldclim.org/
Additional Information, Comments	

Title	Average July monthly precipitation 1950 - 2000
Name of feature class	m_pp7_1950_2000
Current version	1.0
Status	
Creation / Publication Date / Last Update	30.9.2015
Abstract / Definition	average July monthly precipitation for period 1950-2000 [mm]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	30 arc-seconds (~619,89 m × 619,89 m)
Spatial Extent	Europe
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	WorldClim, version 1.4 http://www.worldclim.org/
Additional Information, Comments	

Title	Average yearly temperature 1950 - 2000
Name of feature class	m_t_1950_2000
Current version	1.0
Status	
Creation / Publication Date / Last Update	30.9.2015
Abstract / Definition	average yearly temperature for period 1950-2000 [°C*10]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	30 arc-seconds (~619,89 m × 619,89 m)
Spatial Extent	Europe
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	WorldClim, version 1.4 http://www.worldclim.org/
Additional Information, Comments	

Title	Average January monthly temperature 1950 - 2000
Name of feature class	m_t1_1950_2000
Current version	1.0
Status	
Creation / Publication Date / Last Update	30.9.2015
Abstract / Definition	average January monthly temperature for period 1950-2000 [°C*10]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	30 arc-seconds (~619,89 m × 619,89 m)
Spatial Extent	Europe
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	WorldClim, version 1.4 http://www.worldclim.org/
Additional Information, Comments	

Title	Average July monthly temperature 1950 - 2000
Name of feature class	m_t7_1950_2000
Current version	1.0
Status	
Creation / Publication Date / Last Update	30.9.2015
Abstract / Definition	average July monthly temperature for period 1950-2000 [°C*10]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	30 arc-seconds (~619,89 m × 619,89 m)
Spatial Extent	Europe
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	WorldClim, version 1.4 http://www.worldclim.org/
Additional Information, Comments	

Title	Average yearly precipitation 1961 - 1990
Name of feature class	m_pp_1961_1990
Current version	1.0
Status	
Creation / Publication Date / Last Update	30.9.2015
Abstract / Definition	average yearly precipitation for period 1961-1990 [mm]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	10 arc-minutes (~12390,91 m × 12390,91 m)
Spatial Extent	Europe
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	Global map of monthly precipitation, FAO http://www.fao.org/geonetwork/srv/en/metadata.show?id=7417&currTab=distribution
Additional Information, Comments	

Title	Average January monthly precipitation 1961 - 1990
Name of feature class	m_pp1_1961_1990
Current version	1.0
Status	
Creation / Publication Date / Last Update	30.9.2015
Abstract / Definition	average January monthly precipitation for period 1961-1990 [mm]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	10 arc-minutes (~12390,91 m × 12390,91 m)
Spatial Extent	Europe
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	Global map of monthly precipitation, FAO http://www.fao.org/geonetwork/srv/en/metadata.show?id=7417&currTab=distribution
Additional Information, Comments	

Title	Average July monthly precipitation 1961 - 1990
Name of feature class	m_pp7_1961_1990
Current version	1.0
Status	
Creation / Publication Date / Last Update	30.9.2015
Abstract / Definition	average July monthly precipitation for period 1961-1990 [mm]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	10 arc-minutes (~12390,91 m × 12390,91 m)
Spatial Extent	Europe
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	Global map of monthly precipitation, FAO http://www.fao.org/geonetwork/srv/en/metadata.show?id=7417&currTab=distribution
Additional Information, Comments	

Title	1 km² grid
Name of feature class	m_1km2_grid_raster
Current version	1.0
Status	
Creation / Publication Date / Last Update	30.9.2015
Abstract / Definition	1 km ² reference grid for all 1km ² raster datasets (empty 1 km × 1km raster)
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	EEA reference grids: http://www.eea.europa.eu/data-and-maps/data/eea-reference-grids m_geodatabase_extent
Additional Information, Comments	

Title	Population density on 1 km² grid
Name of feature class	m_population_density_gpw_1km2
Current version	1.0
Status	
Creation / Publication Date / Last Update	30.9.2015
Abstract / Definition	Raster dataset m_population_density_gpw resampled on 1 km ² grid cells. Unit is inhabitants per km ² .
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	SEDAC, Gridded Population of the World, Population Density Grid, v3 http://sedac.ciesin.columbia.edu/data/set/gpw-v3-population-density m_geodatabase_extent
Additional Information, Comments	Population density on 1 km ² is at the same time population count on 1 km ² .

Title	Average yearly precipitation 1950 – 2000 on 1 km² grid
Name of feature class	m_pp_1950_2000_1km2
Current version	1.0
Status	
Creation / Publication Date / Last Update	30.9.2015
Abstract / Definition	average yearly precipitation for period 1950-2000 [mm]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	WorldClim, version 1.4 http://www.worldclim.org/ m_geodatabase_extent
Additional Information, Comments	

Title	Average January monthly precipitation 1950 – 2000 on 1 km² grid
Name of feature class	m_pp1_1950_2000_1km2
Current version	1.0
Status	
Creation / Publication Date / Last Update	30.9.2015
Abstract / Definition	average January monthly precipitation for period 1950-2000 [mm]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	WorldClim, version 1.4 http://www.worldclim.org/ m_geodatabase_extent
Additional Information, Comments	

Title	Average July monthly precipitation 1950 – 2000 on 1 km² grid
Name of feature class	m_pp7_1950_2000_1km2
Current version	1.0
Status	
Creation / Publication Date / Last Update	30.9.2015
Abstract / Definition	average July monthly precipitation for period 1950-2000 [mm]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	WorldClim, version 1.4 http://www.worldclim.org/ m_geodatabase_extent
Additional Information, Comments	

Title	Average winter precipitation 1950 – 2000 on 1 km² grid
Name of feature class	m_pp_djf_1950_2000_1km2
Current version	1.0
Status	
Creation / Publication Date / Last Update	30.9.2015
Abstract / Definition	average winter 3 months precipitation for period 1950-2000 [mm]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	GPCC: Global Precipitation Climatology Centre ftp://ftp-anon.dwd.de/pub/data/gpcc/html/fulldata_download.html m_geodatabase_extent
Additional Information, Comments	Average winter precipitation for period 1950 – 2000 is sum of three winter months (December, January and February) average monthly precipitation. Data are derived from monthly averages for individual years from year 1950 to year 2000. Original grid size of 50km ² was resampled to 1km ² grid.

Title	Average spring precipitation 1950 – 2000 on 1 km² grid
Name of feature class	m_pp_mam_1950_2000_1km2
Current version	1.0
Status	
Creation / Publication Date / Last Update	30.9.2015
Abstract / Definition	average spring 3 months precipitation for period 1950-2000 [mm]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	GPCC: Global Precipitation Climatology Centre ftp://ftp-anon.dwd.de/pub/data/gpcc/html/fulldata_download.html m_geodatabase_extent
Additional Information, Comments	Average spring precipitation for period 1950 – 2000 is sum of three spring months (March, April, May) average monthly precipitation. Data are derived from monthly averages for individual years from year 1950 to year 2000. Original grid size of 50km ² was resampled to 1km ² grid.

Title	Average summer precipitation 1950 – 2000 on 1 km² grid
Name of feature class	m_pp_jja_1950_2000_1km2
Current version	1.0
Status	
Creation / Publication Date / Last Update	30.9.2015
Abstract / Definition	average summer 3 months precipitation for period 1950-2000 [mm]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	GPCC: Global Precipitation Climatology Centre ftp://ftp-anon.dwd.de/pub/data/gpcc/html/fulldata_download.html m_geodatabase_extent
Additional Information, Comments	Average summer precipitation for period 1950 – 2000 is sum of three summer months (June, July, August) average monthly precipitation. Data are derived from monthly averages for individual years from year 1950 to year 2000. Original grid size of 50km ² was resampled to 1km ² grid.

Title	Average autumn precipitation 1950 – 2000 on 1 km² grid
Name of feature class	m_pp_son_1950_2000_1km2
Current version	1.0
Status	
Creation / Publication Date / Last Update	30.9.2015
Abstract / Definition	average autumn 3 months precipitation for period 1950-2000 [mm]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	GPCC: Global Precipitation Climatology Centre ftp://ftp-anon.dwd.de/pub/data/gpcc/html/fulldata_download.html m_geodatabase_extent
Additional Information, Comments	Average autumn precipitation for period 1950 – 2000 is sum of three autumn months (September, October, November) average monthly precipitation. Data are derived from monthly averages for individual years from year 1950 to year 2000. Original grid size of 50km ² was resampled to 1km ² grid.

Title	Average yearly temperature 1950 – 2000 on 1 km² grid
Name of feature class	m_t_1950_2000_1km2
Current version	1.0
Status	
Creation / Publication Date / Last Update	30.9.2015
Abstract / Definition	average yearly temperature for period 1950-2000 [°C * 10]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	WorldClim, version 1.4 http://www.worldclim.org/ m_geodatabase_extent
Additional Information, Comments	

Title	Average January monthly temperature 1950 – 2000 on 1 km² grid
Name of feature class	m_t1_1950_2000_1km2
Current version	1.0
Status	
Creation / Publication Date / Last Update	30.9.2015
Abstract / Definition	average January monthly temperature for period 1950-2000 [°C * 10]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	WorldClim, version 1.4 http://www.worldclim.org/ m_geodatabase_extent
Additional Information, Comments	

Title	Average July monthly temperature 1950 – 2000 on 1 km² grid
Name of feature class	m_t7_1950_2000_1km2
Current version	1.0
Status	
Creation / Publication Date / Last Update	30.9.2015
Abstract / Definition	average July monthly temperature for period 1950-2000 [°C * 10]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	WorldClim, version 1.4 http://www.worldclim.org/ m_geodatabase_extent
Additional Information, Comments	

Title	Average winter temperature 1950 – 2000 on 1 km² grid
Name of feature class	m_t_djf_1950_2000_1km2
Current version	1.0
Status	
Creation / Publication Date / Last Update	30.9.2015
Abstract / Definition	average winter 3 months temperature for period 1950-2000 [°C * 10]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	WorldClim, version 1.4 http://www.worldclim.org/ m_geodatabase_extent
Additional Information, Comments	Average winter temperature for period 1950 – 2000 is average of three winter months (December, January and February) average monthly temperature.

Title	Average spring temperature 1950 – 2000 on 1 km² grid
Name of feature class	m_t_mam_1950_2000_1km2
Current version	1.0
Status	
Creation / Publication Date / Last Update	30.9.2015
Abstract / Definition	average spring 3 months temperature for period 1950-2000 [°C * 10]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	WorldClim, version 1.4 http://www.worldclim.org/ m_geodatabase_extent
Additional Information, Comments	Average spring temperature for period 1950 – 2000 is average of three spring months (March, April, May) average monthly temperature.

Title	Average summer temperature 1950 – 2000 on 1 km² grid
Name of feature class	m_t_jja_1950_2000_1km2
Current version	1.0
Status	
Creation / Publication Date / Last Update	30.9.2015
Abstract / Definition	average summer 3 months temperature for period 1950-2000 [°C * 10]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	WorldClim, version 1.4 http://www.worldclim.org/ m_geodatabase_extent
Additional Information, Comments	Average summer temperature for period 1950 – 2000 is average of three summer months (June, July, August) average monthly temperature.

Title	Average autumn temperature 1950 – 2000 on 1 km² grid
Name of feature class	m_t_son_1950_2000_1km2
Current version	1.0
Status	
Creation / Publication Date / Last Update	30.9.2015
Abstract / Definition	average summer 3 months temperature for period 1950-2000 [°C * 10]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	WorldClim, version 1.4 http://www.worldclim.org/ m_geodatabase_extent
Additional Information, Comments	Average autumn temperature for period 1950 – 2000 is average of three autumn months (September, October, November) average monthly temperature.

Title	MARS land cover 10 on 1 km2 grid																																			
Name of feature class	m_land_cover_10_1km2																																			
Current version	1.0																																			
Status																																				
Creation / Publication Date / Last Update	30.9.2015																																			
Abstract / Definition	Share of land cover category 10 per 1km2 grid cell [%]																																			
Author / Custodian / Contact	University of Ljubljana																																			
Maintenance / Planned Update																																				
Spatial representation type	raster																																			
Spatial Resolution / Equivalent Scale	1 km × 1 km																																			
Spatial Extent	MARS geodatabase extent																																			
Distribution Format	ESRI geodatabase raster dataset																																			
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/																																			
Data Sources	<ul style="list-style-type: none"> - CLC2006, v17 http://www.eea.europa.eu/data-and-maps/data/corine-land-cover-2006-raster-3 - CLC2000Greece, - GlobCorine2009 (© ESA 2010 and UCLouvain) http://ionia1.esrin.esa.int/globcorine - m_geodatabase_extent 																																			
Additional Information, Comments	<p>The basis for this feature class is “MARS land cover” raster dataset (m_land_cover). CLC label 2 categories have been merged in six new categories and for each of these categories separate raster dataset resampled to 1 km2 grid has been done (see table below).</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">CLC_code</th> <th style="text-align: center;">Label 2</th> <th style="text-align: center;">raster_1km2_category</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">11</td> <td>Urban fabric</td> <td rowspan="4" style="text-align: center; vertical-align: middle;">10</td> </tr> <tr> <td style="text-align: center;">12</td> <td>Industrial, commercial and transport units</td> </tr> <tr> <td style="text-align: center;">13</td> <td>Mine, dump and construction sites</td> </tr> <tr> <td style="text-align: center;">14</td> <td>Artificial, non-agricultural vegetated areas</td> </tr> <tr> <td style="text-align: center;">21</td> <td>Arable land</td> <td style="text-align: center;">21</td> </tr> <tr> <td style="text-align: center;">22</td> <td>Permanent crops</td> <td rowspan="3" style="text-align: center; vertical-align: middle;">20</td> </tr> <tr> <td style="text-align: center;">23</td> <td>Pastures</td> </tr> <tr> <td style="text-align: center;">24</td> <td>Heterogeneous agricultural areas</td> </tr> <tr> <td style="text-align: center;">31</td> <td>Forests</td> <td rowspan="3" style="text-align: center; vertical-align: middle;">30</td> </tr> <tr> <td style="text-align: center;">32</td> <td>Scrub and/or herbaceous vegetation associations</td> </tr> <tr> <td style="text-align: center;">33</td> <td>Open spaces with little or no vegetation</td> </tr> <tr> <td style="text-align: center;">41</td> <td>Inland wetlands</td> <td rowspan="2" style="text-align: center; vertical-align: middle;">40</td> </tr> <tr> <td style="text-align: center;">42</td> <td>Maritime wetlands</td> </tr> </tbody> </table>		CLC_code	Label 2	raster_1km2_category	11	Urban fabric	10	12	Industrial, commercial and transport units	13	Mine, dump and construction sites	14	Artificial, non-agricultural vegetated areas	21	Arable land	21	22	Permanent crops	20	23	Pastures	24	Heterogeneous agricultural areas	31	Forests	30	32	Scrub and/or herbaceous vegetation associations	33	Open spaces with little or no vegetation	41	Inland wetlands	40	42	Maritime wetlands
CLC_code	Label 2	raster_1km2_category																																		
11	Urban fabric	10																																		
12	Industrial, commercial and transport units																																			
13	Mine, dump and construction sites																																			
14	Artificial, non-agricultural vegetated areas																																			
21	Arable land	21																																		
22	Permanent crops	20																																		
23	Pastures																																			
24	Heterogeneous agricultural areas																																			
31	Forests	30																																		
32	Scrub and/or herbaceous vegetation associations																																			
33	Open spaces with little or no vegetation																																			
41	Inland wetlands	40																																		
42	Maritime wetlands																																			

	51	Inland waters	50
	52	Marine waters	
Category 10 is identical to CLC label 1 category 1 (artificial surfaces).			

Title	MARS land cover 21 on 1 km2 grid
Name of feature class	m_land_cover_21_1km2
Current version	1.0
Status	
Creation / Publication Date / Last Update	30.9.2015
Abstract / Definition	Share of land cover category 21 per 1km2 grid cell [%]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	<ul style="list-style-type: none"> - CLC2006, v17 http://www.eea.europa.eu/data-and-maps/data/corine-land-cover-2006-raster-3 - CLC2000Greece, - GlobCorine2009 (© ESA 2010 and UCLouvain) http://ionia1.esrin.esa.int/globcorine - m_geodatabase_extent
Additional Information, Comments	<p>The basis for this feature class is “MARS land cover” raster dataset (m_land_cover). CLC label 2 categories have been merged in six new categories and for each of these categories separate raster dataset resampled to 1 km2 grid has been done (see table at “MARS land cover 10 on 1 km2 grid” raster dataset).</p> <p>Category 21 is identical to CLC label 2 category 21 (arable land).</p>

Title	MARS land cover 20 on 1 km2 grid
Name of feature class	m_land_cover_20_1km2
Current version	1.0
Status	
Creation / Publication Date / Last Update	30.9.2015
Abstract / Definition	Share of land cover category 20 per 1km2 grid cell [%]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	<ul style="list-style-type: none"> - CLC2006, v17 http://www.eea.europa.eu/data-and-maps/data/corine-land-cover-2006-raster-3 - CLC2000Greece, - GlobCorine2009 (© ESA 2010 and UCLouvain) http://ionia1.esrin.esa.int/globcorine - m_geodatabase_extent
Additional Information, Comments	<p>The basis for this feature class is “MARS land cover” raster dataset (m_land_cover). CLC label 2 categories have been merged in six new categories and for each of these categories separate raster dataset resampled to 1 km2 grid has been done (see table at “MARS land cover 10 on 1 km2 grid” raster dataset).</p> <p>Category 20 unites CLC label 2 categories 22 (permanent crops), 23 (pastures) and 24 (heterogeneous agricultural areas).</p>

Title	MARS land cover 30 on 1 km2 grid
Name of feature class	m_land_cover_30_1km2
Current version	1.0
Status	
Creation / Publication Date / Last Update	30.9.2015
Abstract / Definition	Share of land cover category 30 per 1km2 grid cell [%]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	<ul style="list-style-type: none"> - CLC2006, v17 http://www.eea.europa.eu/data-and-maps/data/corine-land-cover-2006-raster-3 - CLC2000Greece, - GlobCorine2009 (© ESA 2010 and UCLouvain) http://ionia1.esrin.esa.int/globcorine - m_geodatabase_extent
Additional Information, Comments	<p>The basis for this feature class is “MARS land cover” raster dataset (m_land_cover). CLC label 2 categories have been merged in six new categories and for each of these categories separate raster dataset resampled to 1 km2 grid has been done (see table at “MARS land cover 10 on 1 km2 grid” raster dataset).</p> <p>Category 30 is identical to CLC label 1 category 3 (forest and semi natural areas).</p>

Title	MARS land cover 40 on 1 km2 grid
Name of feature class	m_land_cover_40_1km2
Current version	1.0
Status	
Creation / Publication Date / Last Update	30.9.2015
Abstract / Definition	Share of land cover category 40 per 1km2 grid cell [%]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	<ul style="list-style-type: none"> - CLC2006, v17 http://www.eea.europa.eu/data-and-maps/data/corine-land-cover-2006-raster-3 - CLC2000Greece, - GlobCorine2009 (© ESA 2010 and UCLouvain) http://ionia1.esrin.esa.int/globcorine - m_geodatabase_extent
Additional Information, Comments	<p>The basis for this feature class is “MARS land cover” raster dataset (m_land_cover). CLC label 2 categories have been merged in six new categories and for each of these categories separate raster dataset resampled to 1 km2 grid has been done (see table at “MARS land cover 10 on 1 km2 grid” raster dataset).</p> <p>Category 40 is identical to CLC label 1 category 4 (wetlands).</p>

Title	MARS land cover 50 on 1 km2 grid
Name of feature class	m_land_cover_50_1km2
Current version	1.0
Status	
Creation / Publication Date / Last Update	30.9.2015
Abstract / Definition	Share of land cover category 50 per 1km2 grid cell [%]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	<ul style="list-style-type: none"> - CLC2006, v17 http://www.eea.europa.eu/data-and-maps/data/corine-land-cover-2006-raster-3 - CLC2000Greece, - GlobCorine2009 (© ESA 2010 and UCLouvain) http://ionia1.esrin.esa.int/globcorine - m_geodatabase_extent
Additional Information, Comments	<p>The basis for this feature class is “MARS land cover” raster dataset (m_land_cover). CLC label 2 categories have been merged in six new categories and for each of these categories separate raster dataset resampled to 1 km2 grid has been done (see table at “MARS land cover 10 on 1 km2 grid” raster dataset).</p> <p>Category 50 is identical to CLC label 1 category 5 (water bodies).</p>

Title	Average yearly precipitation 2001 – 2010 on 1 km² grid
Name of feature class	m_pp_2001_2010_1km2_badc
Current version	1.0
Status	
Creation / Publication Date / Last Update	6.1.2016
Abstract / Definition	average yearly precipitation for period 2001-2010 [mm]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	The British Atmospheric Data Centre https://crudata.uea.ac.uk/cru/data/hrg/cru_ts_3.23/cruts.1506241137.v3.23/pre/ https://crudata.uea.ac.uk/cru/data/hrg/#info m_geodatabase_extent
Additional Information, Comments	Original grid size of 50km ² was resampled to 1km ² grid.

Title	Average winter precipitation 2001 – 2010 on 1 km² grid
Name of feature class	m_pp_djf_2001_2010_1km2_badc
Current version	1.0
Status	
Creation / Publication Date / Last Update	6.1.2016
Abstract / Definition	average winter 3 months precipitation for period 2001 - 2010 [mm]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	The British Atmospheric Data Centre https://crudata.uea.ac.uk/cru/data/hrg/cru_ts_3.23/cruts.1506241137.v3.23/pre/ https://crudata.uea.ac.uk/cru/data/hrg/#info m_geodatabase_extent
Additional Information, Comments	Average winter precipitation for period 2001 - 2010 is sum of three winter months (December, January and February) average monthly precipitation. Data are derived from monthly averages for individual years from year 2001 to year 2010. Original grid size of 50km ² was resampled to 1km ² grid.

Title	Average spring precipitation 2001 – 2010 on 1 km² grid
Name of feature class	m_pp_mam_2001_2010_1km2_badc
Current version	1.0
Status	
Creation / Publication Date / Last Update	6.1.2016
Abstract / Definition	average spring 3 months precipitation for period 2001 - 2010 [mm]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	The British Atmospheric Data Centre https://crudata.uea.ac.uk/cru/data/hrg/cru_ts_3.23/cruts.1506241137.v3.23/pre/ https://crudata.uea.ac.uk/cru/data/hrg/#info m_geodatabase_extent
Additional Information, Comments	Average spring precipitation for period 2001 - 2010 is sum of three spring months (March, April, May) average monthly precipitation. Data are derived from monthly averages for individual years from year 2001 to year 2010. Original grid size of 50km ² was resampled to 1km ² grid.

Title	Average summer precipitation 2001 – 2010 on 1 km² grid
Name of feature class	m_pp_jja_2001_2010_1km2_badc
Current version	1.0
Status	
Creation / Publication Date / Last Update	6.1.2016
Abstract / Definition	average summer 3 months precipitation for period 2001 - 2010 [mm]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	The British Atmospheric Data Centre https://crudata.uea.ac.uk/cru/data/hrg/cru_ts_3.23/cruts.1506241137.v3.23/pre/ https://crudata.uea.ac.uk/cru/data/hrg/#info m_geodatabase_extent
Additional Information, Comments	Average summer precipitation for period 2001 - 2010 is sum of three summer months (June, July, August) average monthly precipitation. Data are derived from monthly averages for individual years from year 2001 to year 2010. Original grid size of 50km ² was resampled to 1km ² grid.

Title	Average autumn precipitation 2001 – 2010 on 1 km² grid
Name of feature class	m_pp_son_2001_2010_1km2_badc
Current version	1.0
Status	
Creation / Publication Date / Last Update	6.1.2016
Abstract / Definition	average autumn 3 months precipitation for period 2001 - 2010 [mm]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	The British Atmospheric Data Centre https://crudata.uea.ac.uk/cru/data/hrg/cru_ts_3.23/cruts.1506241137.v3.23/pre/ https://crudata.uea.ac.uk/cru/data/hrg/#info m_geodatabase_extent
Additional Information, Comments	Average autumn precipitation for period 2001 - 2010 is sum of three autumn months (September, October, November) average monthly precipitation. Data are derived from monthly averages for individual years from year 2001 to year 2010. Original grid size of 50km ² was resampled to 1km ² grid.

Title	Average yearly precipitation 2001 – 2010 on 1 km² grid
Name of feature class	m_pp_2001_2010_1km2_jrc
Current version	1.0
Status	
Creation / Publication Date / Last Update	23.6.2016
Abstract / Definition	average yearly precipitation for period 2001-2010 [mm]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	JRC Agri4Cast Data Portal (NetCDF Lat-Lon regular grid Meteorological data in Europe): http://agri4cast.jrc.ec.europa.eu/DataPortal/Index.aspx?o=m_geodatabase_extent
Additional Information, Comments	

Title	Average January monthly precipitation 2001 - 2010 on 1 km² grid
Name of feature class	m_pp1_2001_2010_1km2_jrc
Current version	1.0
Status	
Creation / Publication Date / Last Update	23.6.2016
Abstract / Definition	average January monthly precipitation for period 2001-2010 [mm]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	JRC Agri4Cast Data Portal (NetCDF Lat-Lon regular grid Meteorological data in Europe): http://agri4cast.jrc.ec.europa.eu/DataPortal/Index.aspx?o=m_geodatabase_extent
Additional Information, Comments	

Title	Average July monthly precipitation 2001 - 2010 on 1 km² grid
Name of feature class	m_pp7_2001_2010_1km2_jrc
Current version	1.0
Status	
Creation / Publication Date / Last Update	23.6.2016
Abstract / Definition	average July monthly precipitation for period 2001-2010 [mm]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	JRC Agri4Cast Data Portal (NetCDF Lat-Lon regular grid Meteorological data in Europe): http://agri4cast.jrc.ec.europa.eu/DataPortal/Index.aspx?o=m_geodatabase_extent
Additional Information, Comments	

Title	Average winter precipitation 2001 – 2010 on 1 km² grid
Name of feature class	m_pp_djf_2001_2010_1km2_jrc
Current version	1.0
Status	
Creation / Publication Date / Last Update	23.6.2016
Abstract / Definition	average winter 3 months precipitation for period 2001-2010 [mm]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	JRC Agri4Cast Data Portal (NetCDF Lat-Lon regular grid Meteorological data in Europe): http://agri4cast.jrc.ec.europa.eu/DataPortal/Index.aspx?o=m_geodatabase_extent
Additional Information, Comments	Average winter precipitation for period 2001 – 2010 is sum of three winter months (December, January and February) average monthly precipitation.

Title	Average spring precipitation 2001 – 2010 on 1 km² grid
Name of feature class	m_pp_mam_2001_2010_1km2_jrc
Current version	1.0
Status	
Creation / Publication Date / Last Update	23.6.2016
Abstract / Definition	average spring 3 months precipitation for period 2001-2010 [mm]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	JRC Agri4Cast Data Portal (NetCDF Lat-Lon regular grid Meteorological data in Europe): http://agri4cast.jrc.ec.europa.eu/DataPortal/Index.aspx?o=m_geodatabase_extent
Additional Information, Comments	Average spring precipitation for period 2001 – 2010 is sum of three spring months (March, April, May) average monthly precipitation.

Title	Average summer precipitation 2001 – 2010 on 1 km² grid
Name of feature class	m_pp_jja_2001_2010_1km2_jrc
Current version	1.0
Status	
Creation / Publication Date / Last Update	23.6.2016
Abstract / Definition	average summer 3 months precipitation for period 2001-2010 [mm]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	JRC Agri4Cast Data Portal (NetCDF Lat-Lon regular grid Meteorological data in Europe): http://agri4cast.jrc.ec.europa.eu/DataPortal/Index.aspx?o=m_geodatabase_extent
Additional Information, Comments	Average summer precipitation for period 2001 – 2010 is sum of three summer months (June, July, August) average monthly precipitation.

Title	Average autumn precipitation 2001 – 2010 on 1 km² grid
Name of feature class	m_pp_son_2001_2010_1km2_jrc
Current version	1.0
Status	
Creation / Publication Date / Last Update	23.6.2016
Abstract / Definition	average autumn 3 months precipitation for period 2001-2010 [mm]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	JRC Agri4Cast Data Portal (NetCDF Lat-Lon regular grid Meteorological data in Europe): http://agri4cast.jrc.ec.europa.eu/DataPortal/Index.aspx?o=m_geodatabase_extent
Additional Information, Comments	Average autumn precipitation for period 2001 – 2010 is sum of three autumn months (September, October, November) average monthly precipitation.

Title	Average yearly temperature 2001 – 2010 on 1 km² grid
Name of feature class	m_t_2001_2010_1km2_jrc
Current version	1.0
Status	
Creation / Publication Date / Last Update	23.6.2016
Abstract / Definition	average yearly temperature for period 2001-2010 [°C]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	JRC Agri4Cast Data Portal (NetCDF Lat-Lon regular grid Meteorological data in Europe): http://agri4cast.jrc.ec.europa.eu/DataPortal/Index.aspx?o=m_geodatabase_extent
Additional Information, Comments	

Title	Average January monthly temperature 2001 – 2010 on 1 km² grid
Name of feature class	m_t1_2001_2010_1km2_jrc
Current version	1.0
Status	
Creation / Publication Date / Last Update	23.6.2016
Abstract / Definition	average January monthly temperature for period 2001-2010 [°C]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	JRC Agri4Cast Data Portal (NetCDF Lat-Lon regular grid Meteorological data in Europe): http://agri4cast.jrc.ec.europa.eu/DataPortal/Index.aspx?o=m_geodatabase_extent
Additional Information, Comments	

Title	Average July monthly temperature 2001 – 2010 on 1 km² grid
Name of feature class	m_t7_2001_2010_1km2_jrc
Current version	1.0
Status	
Creation / Publication Date / Last Update	23.6.2016
Abstract / Definition	average July monthly temperature for period 2001-2010 [°C]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	JRC Agri4Cast Data Portal (NetCDF Lat-Lon regular grid Meteorological data in Europe): http://agri4cast.jrc.ec.europa.eu/DataPortal/Index.aspx?o=m_geodatabase_extent
Additional Information, Comments	

Title	Average winter temperature 2001 – 2010 on 1 km² grid
Name of feature class	m_t_djf_2001_2010_1km2_jrc
Current version	1.0
Status	
Creation / Publication Date / Last Update	23.6.2016
Abstract / Definition	average winter 3 months temperature for period 2001-2010 [°C]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	JRC Agri4Cast Data Portal (NetCDF Lat-Lon regular grid Meteorological data in Europe): http://agri4cast.jrc.ec.europa.eu/DataPortal/Index.aspx?o=m_geodatabase_extent
Additional Information, Comments	Average winter temperature for period 2001 – 2010 is average of three winter months (December, January and February) average monthly temperature.

Title	Average spring temperature 2001 – 2010 on 1 km² grid
Name of feature class	m_t_mam_2001_2010_1km2_jrc
Current version	1.0
Status	
Creation / Publication Date / Last Update	23.6.2016
Abstract / Definition	average spring 3 months temperature for period 2001-2010 [°C]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	JRC Agri4Cast Data Portal (NetCDF Lat-Lon regular grid Meteorological data in Europe): http://agri4cast.jrc.ec.europa.eu/DataPortal/Index.aspx?o=m_geodatabase_extent
Additional Information, Comments	Average spring temperature for period 2001 – 2010 is average of three spring months (March, April, May) average monthly temperature.

Title	Average summer temperature 2001 – 2010 on 1 km² grid
Name of feature class	m_t_jja_2001_2010_1km2_jrc
Current version	1.0
Status	
Creation / Publication Date / Last Update	23.6.2016
Abstract / Definition	average summer 3 months temperature for period 2001-2010 [°C]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	JRC Agri4Cast Data Portal (NetCDF Lat-Lon regular grid Meteorological data in Europe): http://agri4cast.jrc.ec.europa.eu/DataPortal/Index.aspx?o=m_geodatabase_extent
Additional Information, Comments	Average summer temperature for period 2001 – 2010 is average of three summer months (June, July, August) average monthly temperature.

Title	Average autumn temperature 2001 – 2010 on 1 km² grid
Name of feature class	m_t_son_2001_2010_1km2_jrc
Current version	1.0
Status	
Creation / Publication Date / Last Update	23.6.2016
Abstract / Definition	average autumn 3 months temperature for period 2001-2010 [°C]
Author / Custodian / Contact	University of Ljubljana
Maintenance / Planned Update	
Spatial representation type	raster
Spatial Resolution / Equivalent Scale	1 km × 1 km
Spatial Extent	MARS geodatabase extent
Distribution Format	ESRI geodatabase raster dataset
Dataset Location	MARSgeoDB_raster_v2.gdb http://www3.fgg.uni-lj.si/~mars/MARSgeoDB/
Data Sources	JRC Agri4Cast Data Portal (NetCDF Lat-Lon regular grid Meteorological data in Europe): http://agri4cast.jrc.ec.europa.eu/DataPortal/Index.aspx?o=m_geodatabase_extent
Additional Information, Comments	Average autumn temperature for period 2001 – 2010 is average of three autumn months (September, October, November) average monthly temperature.