

## Small Woody Features 2018 (vector), Europe, 3-yearly, May 2023

High Resolution land cover characteristics for the 2018 reference year. Small woody landscape features are important vectors of biodiversity and provide information on fragmentation of habitats with a direct potential for restoration while also providing a link to hazard protection and green infrastructure, amongst others. VHR\_IMAGE\_2018 made available in the ESA Copernicus DWH will be the main data source for the detection of small woody features identifiable within the given image resolution. The Small Woody Features (SWFs) layer contains woody linear and patchy elements but will not be further differentiated into trees, hedges, bushes and scrub. The spatial pattern shall be limited to linear structures and isolated patches on the basis of geometric characteristics.

### Simple

|                            |                                                              |                        |                                |                                                                     |                  |
|----------------------------|--------------------------------------------------------------|------------------------|--------------------------------|---------------------------------------------------------------------|------------------|
| <b>Date (Publication)</b>  | 2023-05-10                                                   |                        |                                |                                                                     |                  |
| <b>Edition</b>             | 1.0                                                          |                        |                                |                                                                     |                  |
| <b>Citation identifier</b> | copernicus_v_3035_5_k_swf-2018_p_2017-2019_v01_r00           |                        |                                |                                                                     |                  |
| <b>Code</b>                | <a href="#">10.2909/7fd9d32e-8c2f-42b2-b959-c8e12b843821</a> |                        |                                |                                                                     |                  |
| <b>Point of contact</b>    | <b>Organisation name</b>                                     | <b>Individual name</b> | <b>Electronic mail address</b> | <b>Website</b>                                                      | <b>Role</b>      |
|                            | European Environment Agency                                  |                        | copernicus@eea.europa.eu       | <a href="https://land.copernicus.eu">https://land.copernicus.eu</a> | Distributor      |
|                            | European Environment Agency                                  |                        | copernicus@eea.europa.eu       | <a href="https://land.copernicus.eu">https://land.copernicus.eu</a> | Custodian        |
|                            | European Environment Agency                                  |                        | copernicus@eea.europa.eu       | <a href="https://land.copernicus.eu">https://land.copernicus.eu</a> | Point of contact |

### Point of contact

No information provided.

### Point of contact

No information provided.

|                                                         |                                                                                                                                               |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Maintenance and update frequency</b>                 | Continual                                                                                                                                     |
| <b>GEMET - INSPIRE themes, version 1.0</b>              | <ul style="list-style-type: none"> <li>Land cover</li> </ul>                                                                                  |
| <b>Keywords</b>                                         |                                                                                                                                               |
| <b>Continents, countries, sea regions of the world.</b> | <ul style="list-style-type: none"> <li>EEA39</li> </ul>                                                                                       |
| <b>Keywords</b>                                         |                                                                                                                                               |
| <b>GEMET</b>                                            | <ul style="list-style-type: none"> <li>land use</li> <li>land</li> <li>landscape alteration</li> <li>landscape</li> <li>land cover</li> </ul> |
| <b>Spatial scope</b>                                    | <ul style="list-style-type: none"> <li><a href="#">European</a></li> </ul>                                                                    |
| <b>EEA topics</b>                                       | <ul style="list-style-type: none"> <li><a href="#">Land use</a></li> </ul>                                                                    |

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Access constraints          | Other restrictions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Other constraints           | <a href="#">no limitations to public access</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Use constraints             | Other restrictions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Other constraints           | <p>Access to data is based on a principle of full, open and free access as established by the Copernicus data and information policy Regulation (EU) No 1159/2013 of 12 July 2013. This regulation establishes registration and licensing conditions for GMES/Copernicus users.</p> <p>Free, full and open access to this data set is made on the conditions that:</p> <ol style="list-style-type: none"> <li>1. When distributing or communicating Copernicus dedicated data and Copernicus service information to the public, users shall inform the public of the source of that data and information.</li> <li>2. Users shall make sure not to convey the impression to the public that the user's activities are officially endorsed by the Union.</li> <li>3. Where that data or information has been adapted or modified, the user shall clearly state this.</li> <li>4. The data remain the sole property of the European Union. Any information and data produced in the framework of the action shall be the sole property of the European Union. Any communication and publication by the beneficiary shall acknowledge that the data were produced "with funding by the European Union".</li> </ol> |
| Spatial representation type | Vector                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Language of dataset         | English                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Character set               | UTF8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Topic category              | <ul style="list-style-type: none"> <li>• Environment</li> <li>• Imagery base maps earth cover</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

|  |   |  |   |  |   |  |   |
|--|---|--|---|--|---|--|---|
|  | N |  | S |  | E |  | W |
|--|---|--|---|--|---|--|---|



|                                        |                                                                                   |                                                                                                                                                                                                                                                                                       |                                                   |
|----------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| Begin date                             | 2017-01-01                                                                        |                                                                                                                                                                                                                                                                                       |                                                   |
| End date                               | 2019-12-31                                                                        |                                                                                                                                                                                                                                                                                       |                                                   |
| Coordinate reference system identifier | <a href="#">EPSG:3035</a>                                                         |                                                                                                                                                                                                                                                                                       |                                                   |
| Distribution format                    | <ul style="list-style-type: none"> <li>GDB ( )</li> <li>Geopackage ( )</li> </ul> |                                                                                                                                                                                                                                                                                       |                                                   |
| OnLine resource                        | <b>Protocol</b><br>WWW:LINK-1.0-http--link                                        | <b>Linkage</b><br><a href="https://land.copernicus.eu/pan-european/high-resolution-layers/small-woody-features/small-woody-features-2018?tab=download">https://land.copernicus.eu/pan-european/high-resolution-layers/small-woody-features/small-woody-features-2018?tab=download</a> | <b>Name</b><br>Download (requires authentication) |
| OnLine resource                        | <b>Protocol</b><br>DOI                                                            | <b>Linkage</b><br><a href="https://doi.org/10.2909/7fd9d32e-8c2f-42b2-b959-c8e12b843821">https://doi.org/10.2909/7fd9d32e-8c2f-42b2-b959-c8e12b843821</a>                                                                                                                             | <b>Name</b>                                       |

OnLine resource

No information provided.

|                 |         |
|-----------------|---------|
| Hierarchy level | Dataset |
|-----------------|---------|

Conformance result

|                    |                                  |
|--------------------|----------------------------------|
| Date (Publication) | 2023-05-10                       |
| Explanation        | See the referenced specification |

Absolute external positional accuracy

|                 |                       |
|-----------------|-----------------------|
| Name of measure | Minimum Mapping Width |
|-----------------|-----------------------|

Quantitative result

|       |    |
|-------|----|
| Value | 30 |
|-------|----|

Absolute external positional accuracy

|                 |                      |
|-----------------|----------------------|
| Name of measure | Minimum Mapping Unit |
|-----------------|----------------------|

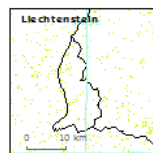
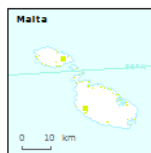
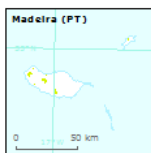
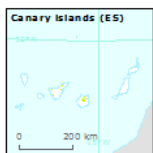
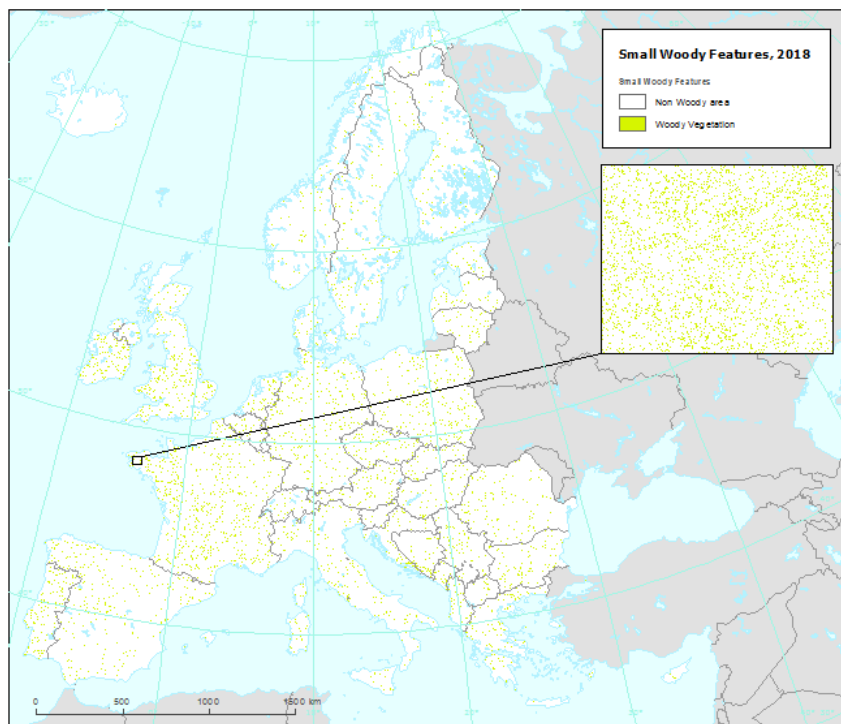
Quantitative result

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value     | 0.02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Statement | <p>The HRL Small Woody Feature Vector Product is primarily based on a supervised classification of satellite image time-series from VHR_IMAGE_2018 acquired from May 2017 to September 2019.</p> <p>Geometric specifications: For the linear elements no MMU is applied. For patchy structures of trees and scrub the MMU is &gt; 200 m2 (size limit of 50 000m2). The MMW for linear structures/elements is &lt; 30m. The MML for linear structures/elements is of &gt; 30 m length. For Patchy structures no MML is applied.</p> <p>The positional accuracy is less than 5 m.</p> <p>Quality assurance follows the ISO 9001:2015 standards for Quality Management and comprises of dedicated procedures of quality checks (QA breakpoints) during implementation of the production chain, in order to keep persistent control over the various stages of production, assure fitness-for-purpose of the end-products and that all quality requirements are fulfilled. Priority has been given to the target thematic accuracy to be achieved by each product, as well as to the issues of product consistency (spatial, thematic, temporal) and homogeneity.</p> <p>Quality Assessment: The quality assessment has been performed according to INSPIRE Data Specifications. The data quality elements considered are: (i) Completeness, (ii) Logical Consistency, (iii) positional accuracy, (iv) Thematic Accuracy, (v) Temporal quality and (vi) Usability.</p> <p>Accuracy assessment approach: stratified random point sampling. Interpretation of sampling points has been performed on the best available reference data. The general accuracy level of the HRL SWF products shall be in the order of 80 % for Overall thematic Accuracy, User's Accuracy and Producer's Accuracy.</p> |

Metadata

|                           |                                                          |                 |                                     |
|---------------------------|----------------------------------------------------------|-----------------|-------------------------------------|
| File identifier           | 7fd9d32e-8c2f-42b2-b959-c8e12b843821 <a href="#">XML</a> |                 |                                     |
| Metadata language         | English                                                  |                 |                                     |
| Character set             | UTF8                                                     |                 |                                     |
| Hierarchy level           | Dataset                                                  |                 |                                     |
| Date stamp                | 2023-09-21T13:21:46.369Z                                 |                 |                                     |
| Metadata standard name    | ISO 19115/19139                                          |                 |                                     |
| Metadata standard version | 1.0                                                      |                 |                                     |
| Metadata author           | Organisation name                                        | Individual name | Electronic mail addressWebsite Role |
|                           | European Environment Agency                              |                 | sdi@eea.europa.euPoint of contact   |

Overviews



Provided by

