



European catchments and Rivers network system (Ecrins), lakes and reservoirs - version 1, Jun. 2012

This dataset contains the "lakes" datasets of Ecrins v1.0.

Lakes are very important features of any hydrographical system and have hence been added to Ecrins. This feature is more uncertain than the other ones since it results from the processing of different sources under a twin constraint of relevance and free of charges accessibility.

The current layer comprises 70,847 lake objects, that will certainly be updated in the months to come. A lake is, as a river both a geometric and cultural object. In areas where many lakes are intertwined, the difference between one and several lakes is often that a name has been found or not or that the Corine Land cover maker has placed a limit or not.

The database comprises the following tables: feature class C_Lak with all information related to all still waterbodies which area is more than the Corine Land cover threshold, plus those identified because a reservoir or any other relevant source. This table is completed by the centroids of lakes, V_lak_Centro. The complex relationships between lakes and river segments are documented by table lakInOut where the inlet and the outlet(s) segments are reported. Complementary tables, needed by the water accounts, v_lakperadmin et v_linterfec respectively document the lake to administrative entities, with shared area and same with FECs.

Being in relation with the other components of Ecrins, lakes are versioned with respect to catchments and rivers and with their update as well.

Lake naming comes from four sources: ERM, Eldred2, Art 13 reporting and Wikipedia.

Hydrographical information (volume, Zaverage, Zmax) and is permanently updated from three source: Eldred2, the dams database, and Wikipedia

In version 1.0, the history of lakes is not documented. Most natural lakes have a time span much before and beyond the expected duration of Ecrins. Artificial lakes, related to dams have their history documented with the dam and some natural lakes are intermittent. This last category is not documented.

Since lower limit for lake inclusion is 25 ha, all "main lakes" under the WFD acceptance are present (except if missed for any reason, the most likely being creation of an artificial reservoir not present in the latest update).

Full documentation is in EEA technical report 9/2012, downloadable from the EEA website.

Simple

Date (Creation)	2012-06-08				
Edition	01.00				
Citation identifier	eea_v_3035_250_k_ecrins-lakes_p_1990-2006_v01_r00				
Citation identifier	DAT-120-en				
Point of contact	Organisation name	Individual name	Electronic mail address	Website	Role
	European Environment Agency		sdi@eea.europa.eu	http://www.eea.europa.eu	Point of contact
	European Environment Agency		sdi@eea.europa.eu		Custodian
Maintenance and update frequency	Irregular				
EEA topics	<ul style="list-style-type: none">Water				
GEMET - INSPIRE themes, version 1.0	<ul style="list-style-type: none">Hydrography				
Keywords					
Keywords					
GEMET	<ul style="list-style-type: none">hydrography				
GEMET	<ul style="list-style-type: none">European				
Spatial scope	<ul style="list-style-type: none">2012 1.4.1				

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Use limitation	
Access constraints	Other restrictions
Other constraints	no limitations to public access
Aggregate DatasetIdentifier	88bc8c56-55d6-45a4-91bf-a03843b3e3e7
Association Type	Larger work citation
Spatial representation type	Vector
Denominator	250000
Language of dataset	English
Character set	UTF8
Topic category	<ul style="list-style-type: none">Inland waters

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Begin date	1990-01-01		
End date	2006-12-31		
Coordinate reference system identifier	EPSG:3035		
Distribution format	<ul style="list-style-type: none"> • Spatialite () • Microsoft Access (.mdb, .accdb) () 		
OnLine resource	Protocol EEA:FILEPATH WWW:URL WWW:DOWNLOAD-1.0-http--download	Linkage https://sdi.eea.europa.eu/webdav/datastore/public/eea_v_3035_250_k_ecrins_p_1990-2006_v01_r00/eea_v_3035_250_k_ecrins-lakes_p_1990-2006_v01_r00/ https://sdi.eea.europa.eu/data/c156fb97-f3ea-4e61-b33f-b48236cb7f30 https://sdi.eea.europa.eu/catalogue/srv/api/records/88bc8c56-55d6-45a4-91bf-a03843b3e3e7/attachments/EEA%20Catchments%20and%20Rivers%20Network%20System%20ECRINSv1_1.pdf	Name Direct download GIS data documentation
Hierarchy level	Dataset		

Conformance result

Title	Commission Regulation (EU) No 1089/2010 of 23 November 2010 implementing Directive 2007/2/EC of the European Parliament and of the Council as regards interoperability of spatial data sets and services
Date (Publication)	2010-12-08
Explanation	See the referenced specification

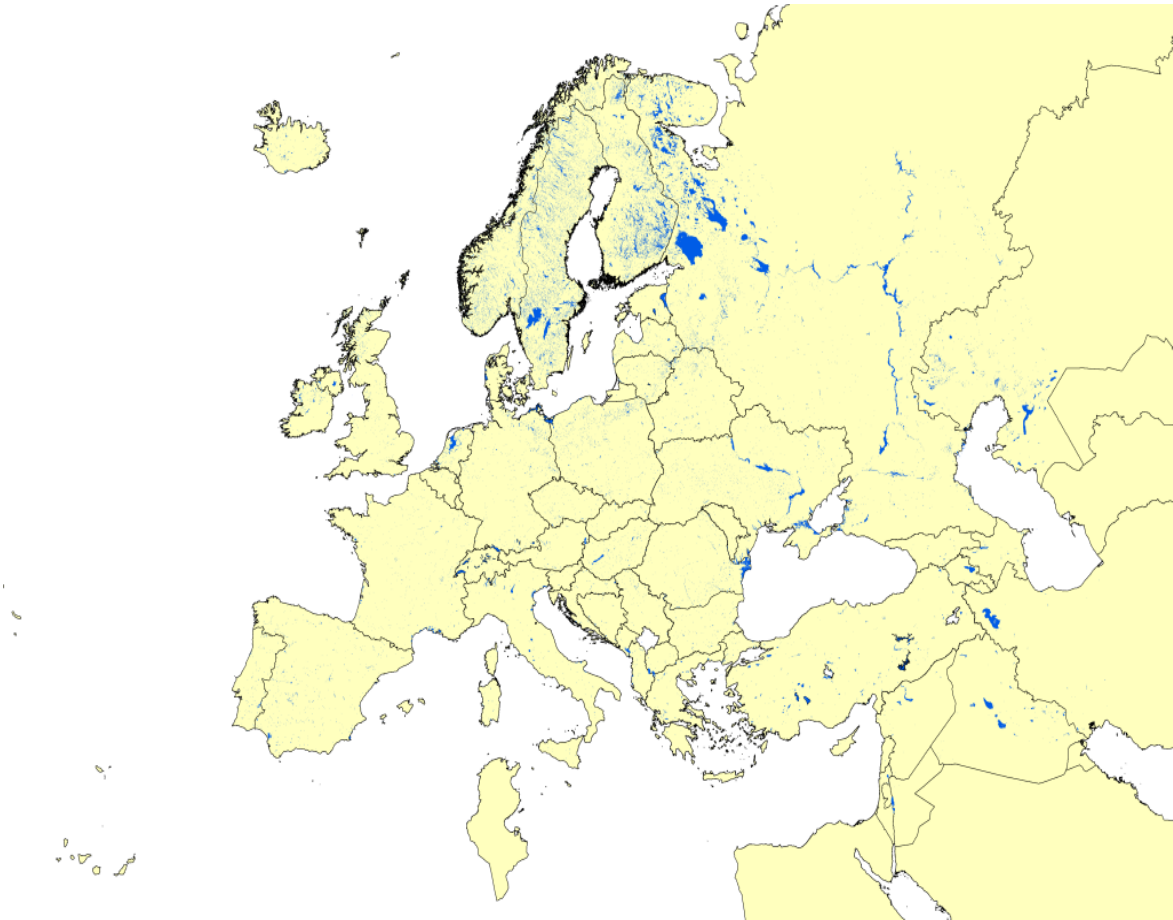
Statement	<p>Main source is Corine Land cover 2006, checked against ERM lakes layer for identifying relevance of Corine Land cover classification. Secondary sources are Eldred2 (EEA dams database) and WFD Art 13 deliveries. For example, a large dams mentioned in Eldred with a lake of sufficient area is verified against the lake layer and eventual correction on Corine Land cover is carried out; this was often the case for narrow and long reservoirs on rivers that are frequently clustered, forgotten or ill-classified in Corine Land cover. The presence of lake in different sources is mentioned in the C_lak table and if possible the ID of the source element reported as well as the ID of the matched ERM lake, hence making a bridge between the Ecrins (operational data set) and the user of ERM (geographical data set).</p> <p>Lake naming comes pro-parte from ERM, when a match is found and verified against other sources, from Art 13 reporting and from Wikipedia. Lakes matched to Wikipedia entries are as well flagged.</p>
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Metadata

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File identifier	c156fb97-f3ea-4e61-b33f-b48236cb7f30 XML		
Metadata language	English		
Character set	UTF8		
Hierarchy level	Dataset		
Date stamp	2023-03-07T15:39:19.541Z		
Metadata standard name	ISO 19115/19139		
Metadata standard version	1.0		
Metadata author	<div> <div> <div>Organisation name</div> <div>Individual name</div> </div> <div> <div>European Environment Agency</div> </div> </div>	<div> <div>Electronic mail address</div> <div>sdi@eea.europa.eu</div> </div>	<div> <div>Website Role</div> <div>Point of contact</div> </div>

Overviews



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