GLIDE number: 2024-000199
Int. Charter Act. ID: 1054

GDACS ID: FL 1102983
Product version: 1

EMSR773 - AOI03
Flood in Spain
HORTA SUD

Situation as of 31/10/2024 10:22 UTC

Grading - Overview map 01

Dike breach 3 No.
Flooded area 645.8 ha
Flooded trace 3533.2 ha

Affected population ~60000

Affected Built-up and Transportations

Built-up 3906 No.

Water infrastructure 12.0 ha

Road 531.6 km

Airport or heliport 0.1 ha 0.2 km

Railway 15.2 km

Crisis Information

- Dike breach
- Flooded Area
- Flood trace

Built Up Grading

- Destroyed
- Damaged
- Possibly damaged

Facilities Grading

- Long-distance pipeline or line, Possibly damaged
- Local pipeline or line, Possibly damaged
- Damaged
- Possibly damaged

Transportation Grading

- Road, Destroyed
- Road, Damaged
- Road, Possibly damaged
- Railway, Damaged
- Railway, Possibly damaged
- Bridge, elevated highway, tunnel and subway, Damaged
- Bridge, elevated highway, tunnel and subway, Possibly damaged
- Airfield runway, Damaged
- Airfield runway, Possibly damaged
- Highway, No visible damage
- Main road, No visible damage
- Local road, No visible damage
- Track, No visible damage
- Railway, No visible damage
- Airfield runway, No visible damage
- Subway, No visible damage
- Airfield and Heliport, Possibly damaged
- Airfield and Heliport, No visible damage

General Information

- Area of Interest
- Detail map
- Not Analysed

Administrative Boundaries

- Municipality

Placenames

- Placename

Hydrography

- Lake, River

Event: On 29 October 2024 at 14:30 UTC, an extraordinary rainfall event affected the Valencia region. High water levels in rivers caused flooding in Ribera Alta, Horta, La Plana de Utiel and Letur river. On 31 October 2024, extraordinary precipitation caused flooding in the Castellon Province area. Copernicus EMS Rapid Mapping is requested to provide emergency mapping of flood extent, Monitoring and classification damages emergency mapping.

Data sources and analysis: Pre-event image: ESRI World Imagery © DigitalGlobe (acquired on 25/08/2023, resolution 0.6 m).
Post-event image: GEOEYE © Maxar Technologies, Inc. (2024), (acquired on 31/10/2024 at 10:22 UTC, resolution 0.5 m). This image is used as background image.

The thematic layer has been derived from post-event satellite image using a semi-automatic approach.

Map produced by ITHACA released by e-GEOS on the 04/11/2024.

Details on this activation and service conditions available through the QR code or at the link: https://rapidmapping.emergency.copernicus.eu/EMSR773

PROGRAMME OF THE EUROPEAN UNION

Copernicus Europe's eyes on Earth

N
0 0,5 1 2 km
WGS 1984 UTM Zone 30N 1:38.000

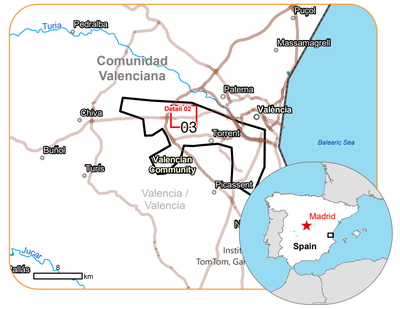
GLIDE number: 2024-000199
Int. Charter Act. ID: 1054

GDACS ID: FL 1102983
Product version: 1

EMSR773 - AOI03
Flood in Spain
HORTA SUD

Situation as of 31/10/2024 10:22 UTC

Grading - Detail map 02



Crisis Information

- Flooded Area
- Flood trace

Built Up Grading

- Destroyed
- Damaged
- Possibly damaged

Facilities Grading

- Long-distance pipeline or line, Possibly damaged
- Local pipeline or line, Possibly damaged
- Possibly damaged

Transportation Grading

- Road, Destroyed
- Road, Damaged
- Road, Possibly damaged
- Railway, Damaged
- Railway, Possibly damaged
- Highway, No visible damage
- Local road, No visible damage
- Track, No visible damage
- Railway, No visible damage
- Airfield and Heliport, No visible damage

Administrative Boundaries

- Municipality

Hydrography

- Lake, River

Event: On 29 October 2024 at 14:30 UTC, an extraordinary rainfall event affected the Valencia region. High water levels in rivers caused flooding in Ribera Alta, Horta, La Plana de Utiel and Letur river. On 31 October 2024, extraordinary precipitation caused flooding in the Castellon Province area. Copernicus EMS Rapid Mapping is requested to provide emergency mapping of flood extent, Monitoring and classification damages emergency mapping.

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PROGRAMME OF THE EUROPEAN UNION

Copernicus
Europe's eyes on Earth

Loriguilla
Manises
Riba-roja de Túria
Quart de Poblet
Aldaia

N
0 0,07 0,15 0,3 km
WGS 1984 UTM Zone 30N 1:6.000

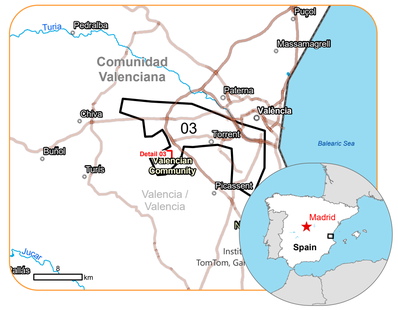
GLIDE number: 2024-000199
Int. Charter Act. ID: 1054

GDACS ID: FL 1102983
Product version: 1

EMSR773 - AOI03
Flood in Spain
HORTA SUD

Situation as of 31/10/2024 10:22 UTC

Grading - Detail map 03



Crisis Information

- Dike breach
- Flooded Area
- Flood trace

Built Up Grading

- Damaged

Facilities Grading

- Damaged

Transportation Grading

- Road, Destroyed
- Road, Damaged
- Road, Possibly damaged
- Local road, No visible damage
- Track, No visible damage

General Information

- Area of Interest

Event: On 29 October 2024 at 14:30 UTC, an extraordinary rainfall event affected the Valencia region. High water levels in rivers caused flooding in Ribera Alta, Horta, La Plana de Utiel and Letur river. On 31 October 2024, extraordinary precipitation caused flooding in the Castellon Province area. Copernicus EMS Rapid Mapping is requested to provide emergency mapping of flood extent, Monitoring and classification damages emergency mapping.

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PROGRAMME OF THE EUROPEAN UNION

Copernicus Europe's eyes on Earth

N
0 0,05 0,1 0,19 km
WGS 1984 UTM Zone 30N 1:3.000

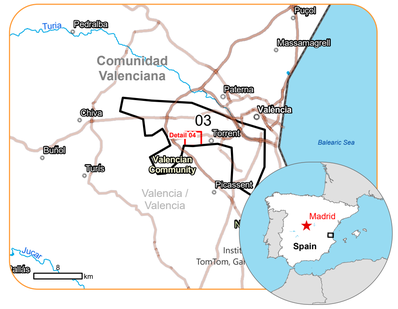
GLIDE number: 2024-000199
Int. Charter Act. ID: 1054

GDACS ID: FL 1102983
Product version: 1

EMSR773 - AOI03
Flood in Spain
HORTA SUD

Situation as of 31/10/2024 10:22 UTC

Grading - Detail map 04



Crisis Information

- Flooded Area
- Flood trace

Built Up Grading

- Damaged
- Possibly damaged

Facilities Grading

- Long-distance pipeline or line, Possibly damaged
- Possibly damaged

Transportation Grading

- Road, Destroyed
- Road, Damaged
- Road, Possibly damaged
- Railway, Damaged
- Railway, Possibly damaged
- Highway, No visible damage
- Main road, No visible damage
- Local road, No visible damage
- Track, No visible damage
- Railway, No visible damage
- Not Analysed

Administrative Boundaries

- Municipality

Hydrography

- Lake, River

Event: On 29 October 2024 at 14:30 UTC, an extraordinary rainfall event affected the Valencia region. High water levels in rivers caused flooding in Ribera Alta, Horta, La Plana de Utiel and Letur river. On 31 October 2024, extraordinary precipitation caused flooding in the Castellon Province area. Copernicus EMS Rapid Mapping is requested to provide emergency mapping of flood extent, Monitoring and classification damages emergency mapping.

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PROGRAMME OF THE EUROPEAN UNION

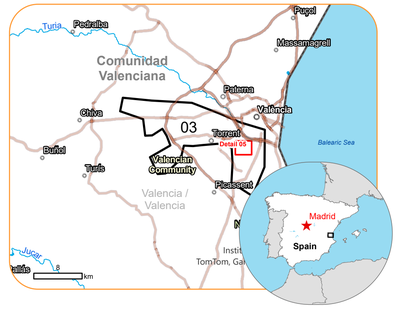
GLIDE number: 2024-000199
Int. Charter Act. ID: 1054

GDACS ID: FL 1102983
Product version: 1

EMSR773 - AOI03
Flood in Spain
HORTA SUD

Situation as of 31/10/2024 10:22 UTC

Grading - Detail map 05



Crisis Information

- Flooded Area
- Flood trace

Built Up Grading

- Destroyed
- Damaged
- Possibly damaged

Facilities Grading

- Long-distance pipeline or line, Possibly damaged
- Local pipeline or line, Possibly damaged
- Damaged
- Possibly damaged

Transportation Grading

- Road, Damaged
- Road, Possibly damaged
- Railway, Possibly damaged
- Bridge, elevated highway, tunnel and subway, Damaged
- Bridge, elevated highway, tunnel and subway, Possibly damaged
- Main road, No visible damage
- Local road, No visible damage
- Track, No visible damage
- Railway, No visible damage
- Subway, No visible damage

Administrative Boundaries

- Municipality

Placenames

- Placename

Hydrography

- Lake, River

Event: On 29 October 2024 at 14:30 UTC, an extraordinary rainfall event affected the Valencia region. High water levels in rivers caused flooding in Ribera Alta, Horta, La Plana de Utiel and Letur river. On 31 October 2024, extraordinary precipitation caused flooding in the Castellon Province area. Copernicus EMS Rapid Mapping is requested to provide emergency mapping of flood extent, Monitoring and classification damages emergency mapping.

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N
0 0,05 0,1 0,2 km
WGS 1984 UTM Zone 30N 1:4.000

PROGRAMME OF THE EUROPEAN UNION

Copernicus
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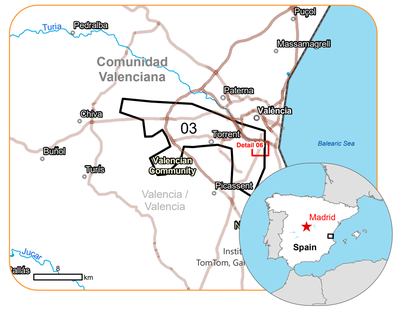
GLIDE number: 2024-000199
Int. Charter Act. ID: 1054

GDACS ID: FL 1102983
Product version: 1

EMSR773 - AOI03
Flood in Spain
HORTA SUD

Situation as of 31/10/2024 10:22 UTC

Grading - Detail map 06



Crisis Information

- Flooded Area
- Flood trace

Built Up Grading

- Damaged
- Possibly damaged
- Long-distance pipeline or line, Possibly damaged
- Local pipeline or line, Possibly damaged
- Damaged
- Possibly damaged

Transportation Grading

- Road, Possibly damaged
- Highway, No visible damage
- Main road, No visible damage
- Local road, No visible damage
- Track, No visible damage

General Information

- Area of Interest

Administrative Boundaries

- Municipality

Placenames

- Placename

Hydrography

- Lake, River

Event: On 29 October 2024 at 14:30 UTC, an extraordinary rainfall event affected the Valencia region. High water levels in rivers caused flooding in Ribera Alta, Horta, La Plana de Utiel and Letur river. On 31 October 2024, extraordinary precipitation caused flooding in the Castellon Province area. Copernicus EMS Rapid Mapping is requested to provide emergency mapping of flood extent, Monitoring and classification damages emergency mapping.

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PROGRAMME OF THE EUROPEAN UNION

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N
0 0,05 0,1 0,2 km
WGS 1984 UTM Zone 30N 1:4.000

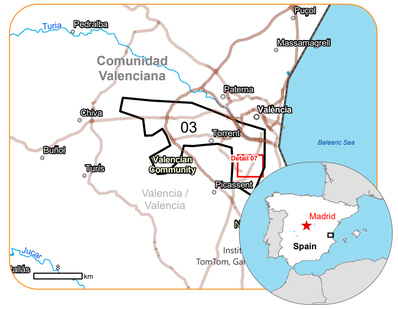
GLIDE number: 2024-000199
Int. Charter Act. ID: 1054

GDACS ID: FL 1102983
Product version: 1

EMSR773 - AOI03
Flood in Spain
HORTA SUD

Situation as of 31/10/2024 10:22 UTC

Grading - Detail map 07



Crisis Information

- Flooded Area
- Flood trace

Built Up Grading

- Damaged
- Possibly damaged
- Long-distance pipeline or line, Possibly damaged
- Local pipeline or line, Possibly damaged
- Damaged
- Possibly damaged

Transportation Grading

- Road, Destroyed
- Road, Possibly damaged
- Railway, Possibly damaged
- Highway, No visible damage
- Main road, No visible damage
- Local road, No visible damage
- Track, No visible damage
- Railway, No visible damage

General Information

- Area of Interest
- Not Analysed

Administrative Boundaries

- Municipality

Placenames

- Placename

Hydrography

- Lake, River

Event: On 29 October 2024 at 14:30 UTC, an extraordinary rainfall event affected the Valencia region. High water levels in rivers caused flooding in Ribera Alta, Horta, La Plana de Utiel and Letur river. On 31 October 2024, extraordinary precipitation caused flooding in the Castellon Province area. Copernicus EMS Rapid Mapping is requested to provide emergency mapping of flood extent, Monitoring and classification damages emergency mapping.

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N
0 0.07 0.15 0.3 km
WGS 1984 UTM Zone 30N 1:6.000

PROGRAMME OF THE EUROPEAN UNION

Copernicus
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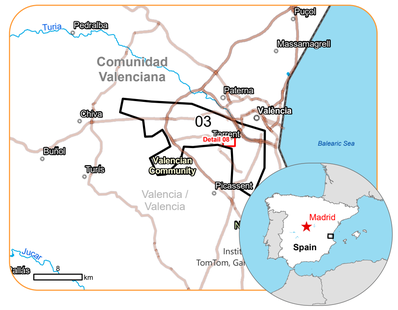
GLIDE number: 2024-000199 GDACS ID: FL 1102983
Int. Charter Act. ID: 1054 Product version: 1

EMSR773 - AOI03
Flood in Spain
HORTA SUD

Situation as of 31/10/2024 10:22 UTC

Grading - Detail map 08



Crisis Information

- Flooded Area
- Flood trace

Built Up Grading

- Destroyed
- Damaged
- Possibly damaged
- Long-distance pipeline or line, Possibly damaged
- Local pipeline or line, Possibly damaged
- Possibly damaged

Transportation Grading

- Road, Destroyed
- Road, Damaged
- Road, Possibly damaged
- Bridge, elevated highway, tunnel and subway, Damaged
- Bridge, elevated highway, tunnel and subway, Possibly damaged
- Highway, No visible damage
- Main road, No visible damage
- Local road, No visible damage
- Track, No visible damage
- Subway, No visible damage

General Information

- Area of Interest
- Not Analysed

Administrative Boundaries

- Municipality

Placenames

- Placename

Hydrography

- Lake, River

Event: On 29 October 2024 at 14:30 UTC, an extraordinary rainfall event affected the Valencia region. High water levels in rivers caused flooding in Ribera Alta, Horta, La Plana de Utiel and Letur river. On 31 October 2024, extraordinary precipitation caused flooding in the Castellon Province area. Copernicus EMS Rapid Mapping is requested to provide emergency mapping of flood extent, Monitoring and classification damages emergency mapping.

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PROGRAMME OF THE EUROPEAN UNION

Copernicus
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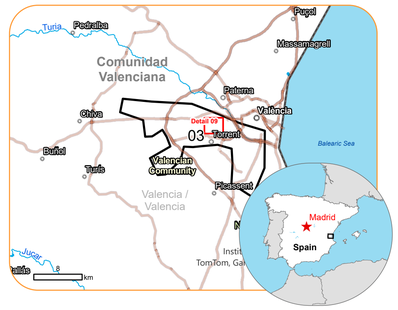
GLIDE number: 2024-000199
Int. Charter Act. ID: 1054

GDACS ID: FL 1102983
Product version: 1

EMSR773 - AOI03
Flood in Spain
HORTA SUD

Situation as of 31/10/2024 10:22 UTC

Grading - Detail map 09



Crisis Information

- Flooded Area
- Flood trace

Built Up Grading

- Possibly damaged
- Possibly damaged

Transportation Grading

- Road, Damaged
- Road, Possibly damaged
- Railway, Possibly damaged
- Main road, No visible damage
- Local road, No visible damage
- Track, No visible damage
- Railway, No visible damage

Administrative Boundaries

- Municipality

Placenames

- Placename

Hydrography

- Lake, River

Event: On 29 October 2024 at 14:30 UTC, an extraordinary rainfall event affected the Valencia region. High water levels in rivers caused flooding in Ribera Alta, Horta, La Plana de Utiel and Letur river. On 31 October 2024, extraordinary precipitation caused flooding in the Castellon Province area. Copernicus EMS Rapid Mapping is requested to provide emergency mapping of flood extent, Monitoring and classification damages emergency mapping.

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PROGRAMME OF THE EUROPEAN UNION

Copernicus
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N
0 0,05 0,1 0,2 km
WGS 1984 UTM Zone 30N 1:4.000

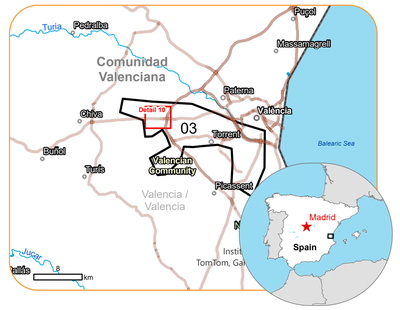
GLIDE number: 2024-000199
Int. Charter Act. ID: 1054

GDACS ID: FL 1102983
Product version: 1

EMSR773 - AOI03
Flood in Spain
HORTA SUD

Situation as of 31/10/2024 10:22 UTC

Grading - Detail map 10



Crisis Information

- Flooded Area
- Flood trace

Built Up Grading

- Damaged
- Possibly damaged

Facilities Grading

- Long-distance pipeline or line, Possibly damaged
- Damaged
- Possibly damaged

Transportation Grading

- Road, Destroyed
- Road, Damaged
- Road, Possibly damaged
- Railway, Damaged
- Railway, Possibly damaged
- Highway, No visible damage
- Main road, No visible damage
- Local road, No visible damage
- Track, No visible damage
- Railway, No visible damage

Administrative Boundaries

- Municipality

Placenames

- Placename

Event: On 29 October 2024 at 14:30 UTC, an extraordinary rainfall event affected the Valencia region. High water levels in rivers caused flooding in Ribera Alta, Horta, La Plana de Utiel and Letur river. On 31 October 2024, extraordinary precipitation caused flooding in the Castellon Province area. Copernicus EMS Rapid Mapping is requested to provide emergency mapping of flood extent, Monitoring and classification damages emergency mapping.

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PROGRAMME OF THE EUROPEAN UNION

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N
0 0,07 0,15 0,3 km
WGS 1984 UTM Zone 30N 1:6.000

EMSR773 AOI: 03 Horta sud Grading

Consequences within the AOI							
	Unit of measurement		Destroyed	Damaged	Possibly damaged*	Total affected**	Total in AOI
Flood trace		ha					3.533.2
Flooded area		ha					645.8
Dike breach		No.					3
Estimated population	Number of inhabitants					~ 60.000	~ 390.000
Built-up	Residential Buildings	No.	0	73	31	104	4.403
	Office buildings	No.	0	14	1	15	363
	Administrative	No.	0	0	0	0	9
	Institutional	No.	0	2	0	2	11
	Police station	No.	0	0	0	0	8
	Fire station	No.	0	1	0	1	2
	Wholesale and retail trade buildings	No.	0	49	6	55	152
	Industrial buildings	No.	1	161	23	185	624
	Reservoirs, silos and warehouses	No.	0	6	14	20	55
	Public entertainment buildings	No.	0	0	1	1	14
	Museums and libraries	No.	0	0	0	0	5
	School, university and research buildings	No.	0	4	5	9	101
	Hospital or institutional care buildings	No.	0	1	0	1	9
	Non-residential farm buildings	No.	0	1	2	3	29
	Buildings used as places of worship and for religious activities	No.	0	0	0	0	20
	Historic or protected monuments	No.	0	0	0	0	1
	Other buildings not elsewhere classified	No.	0	1	1	2	4
	Building point	No.	2	2.237	217	2.456	2.772
	Hotel buildings	No.	0	1	1	2	10
	Communication buildings, stations, terminals and associated buildings	No.	0	1	0	1	30
	Unclassified	No.	34	706	309	1.049	20.905
Transportation	Airfield runways	ha	0	0	0	0	260.6
	Helipad	ha	0	0	0.1	0.1	0.2
	Airfield runways	km	0	0.2	0.02	0.2	9.8
	Highways	km	0.1	24.5	16.2	40.8	202.3
	Primary Road	km	0	0.1	1.2	1.3	28.7
	Secondary Road	km	0	1.9	7.6	9.5	73.9
	Local Road	km	0.3	44.4	208.4	253.1	1.028.0
	Cart Track	km	4.0	33.6	102.5	140.1	556.1
	No Driveway	km	0.6	3.4	78.2	82.1	82.1
	Railway Yard	km	0	0	1.8	1.8	8.3
	Subway	km	0	0.5	4.3	4.7	22.1
	Long-distance railways	km	0	3.8	9.5	13.4	126.2
Facilities	Settling Basin	ha	0	1.7	10.3	12.0	12.7
	Constructions for mining or extraction	ha	0	31.0	0	31.0	31.0
	Power plant constructions	ha	0	4.0	0	4.0	4.0
	Sport and recreation constructions	ha	0	18.9	137.3	156.2	271.4
	Long-distance pipelines, communication and electricity lines	km	0	0	31.4	31.4	82.2
	Local pipelines and cables	km	0	0	11.2	11.2	39.0
Land use	Other	ha				1.655.4	6.244.5
	Heterogeneous agricultural areas	ha				859.6	3.452.1
	Arable land	ha				801.1	1.393.8
	Permanent crops	ha				662.8	5.046.4
	Pastures	ha				83.1	380.0
	Open spaces with little or no vegetation	ha				63.9	67.2
	Shrub and/or herbaceous vegetation association	ha				53.3	397.2
	Forests	ha				0	8.5

* Presence of damage proxies and proximitywith destroyed/damaged asset
** Sum of all damage classes

Data Access:
All data displayed on the map(s), as well as the Physiography and Land Use - Land Cover layers, are available in the Crisis Information Package and the Base Layer Package (for reference data).
The table above is available in editable format in the Crisis Information Package.
All products and data are also available for download on the portal.

Access to the portal

Estimated Population:
Estimated population is based on Copernicus Global Human Settlement Layer (GHSL) dataset.
Additional population datasets and analysis are available in the summary table.

Data Sources:
Base Vector Layers: OpenStreetMap © OpenStreetMap contributors (2024), Wikimapia.org, GeoNames 2015,
Corine Land Cover (CLC) 2018, EuroBoundaryMap 2017 ©EuroGeographics.
Inset Maps: JRC 2013, GISCO 2010 © EuroGeographics, Natural Earth 2012, CCM River DB © EUJRC2007, GeoNames 2015.
Digital Terrain Model (2m) © Spain National Data (2015).

PROGRAMME OF THE EUROPEAN UNION