

VFR on Lario

the new "free" project for Flight Simulator 2004 (FS9)

Introduction

The idea came from the affection of Como Lake (just called Lario too), jewel of the north of Italy, appreciated for centuries all over the world.

This project adds to existing Como's sceneries (some of them by us) without pretension to compete, but only to give fans the chance of visual flight as closed as possible to reality.

The project

It provides complete coverage of the entire area of Como Lake and surrounding mountains, with textures (images) of the soil type fotoreal multi-seasonal and night, along with special elevations greatly close to reality.

Seventeen separate sceneries, as shown in the side picture, make up the project in its complexity. Except for possible future variations and adding, the emission program is shown in the upper left part of the picture.



Availability

All the sceneries are published in the AVSim portal library, free for all : on the following "Contents in details" are indicated the direct links for the direct download.

The project is "*completely free and without any profit*", created for those who have the pleasure to use it. Moreover, other than strictly personal use are not permitted, unless specific consent of the authors.

Project frame

The sceneries are installed on the basis of terrain elevations of *Italian Coast Lines, Release 2 08/08/2004* (free itcoast2.zip e ITAC2_P1.zip) in addition to the realistic free elevations SRTM (*Shuttle Radar Topography Mission*), which was to be updated the FS9 default meshes. Such elevations are fully integrated on the new Western Europe Mesh by Daniele Lanfranchi, but ARE NOT compatible for the moment with different other ones (i/e. UTx, UTE, etc)

All the photorealistic images are regularly checked and matched to the structure of the lake coasts, to avoid the annoying problem of "water uphill".

The sceneries use several free object libraries, in addition to many other special and dedicated objects, made by us with software "*discreet GMax 1.2*".

After the use of the ground photoreal textures (that disables all objects self-generated, as you know), buildings, objects and trees are restored by using a dedicated self-generation, made with software "*MS FS2004 Autogen SDK*".

For the best performance, the authors suggest to use the excellent packages of Zinetek, for water, weather and night (<http://secure.simmarket.com/zinertek-tech.mhtml>) and to enjoy the flight with a wonderful Carenado airplane. (<http://secure.simmarket.com/carenado.mhtml>)

General contents

Flight spaces

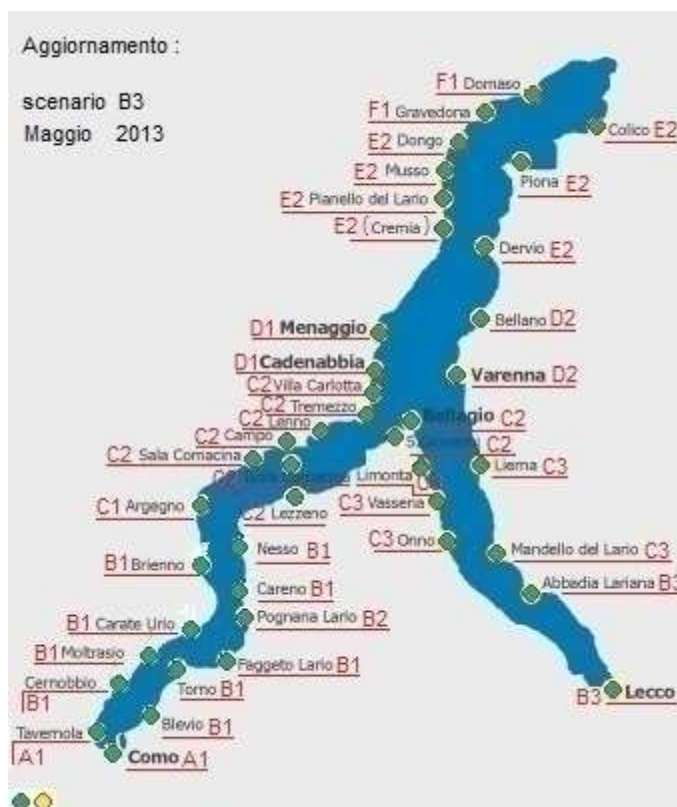
The project includes the water runway of the international Como Idroscalo airport with AeroClub Como (LILY), in addition with some others fictive places on the ends and in the middle of lake. (Lecco, Bellagio, Dervio e Colico).

It is enclosed the further presence of the runway for gliders of Verzaglio, and the flight paragliding spaces from Monte.

Navigation Moorings

In each of the 17 single sceneries are represented all the expected 42 boarding piers of Como Lake Navigation (NLC), placed in several locations on the lake edges. The picture on side indicates their names and the scenery code where they are placed.

Furthermore and relating to the navigation, a lot of minor docks and boats are present.



A significant number of NLC boats, for Motorboats, Hydrofoils, Steamers and Ferries are present inside the sceneries, some of them with motion.

Finally, the sceneries are completed with a AI seaplanes virtual traffic.

<http://library.avsim.net/download.php?DLID=177643>

And 'provided further, before long, the availability of the boats made of Navigation on Lake Como and already present in the sceneries, so they can also be in free shipping directly controlled by the user.

https://dl.dropboxusercontent.com/u/38829151/FS9/VFRsullLario_navigazione.WMV

Contents in detail

Scenery A1 (1°) – *(published December 2011)*

It covers the end of the western branch of the lake and includes the Como municipality, with several monuments and buildings (Cathedral, Social Theatre, Cavour square, Yacht Club e Canottieri Lario buildings, Volta's temple, War memorial monument, Baradello castle, old wall and tower, Volta's Battery monument, Volta's lighthouse, villa Olmo, cable railway Como-Brunate (with motion), villa Geno fountain, hangar and office of AeroClub Como with water runway for seaplanes, Foranea dam, pier NLC and Tavernola's shipyard, set on minor piers and docks. A few static seaplanes are placed on lake, together with several NLC (some in motion) and several minor boats.



<http://library.avsim.net/download.php?DLID=181345>



Scenery B1 (2°) – *(published January 2012)*

Includes the south part of the lake western branch and includes some Cernobbio's buildings (villa Erba and Convention Center, villa d'Este, Akzo Nobel building), the piers of NLC on the portion of lake in the scenery (Cernobbio, Moltrasio, Carate Urio, Brienno, Nesso, Careno, Faggeto Lario, Torno, Blevio), villa Oleandra (Laglio), villa Pliniana (Torno) and some others buildings (Brienno e Torno). Some boats of NLC are included (one with motion), together with minor others.

<http://library.avsim.net/download.php?DLID=181371>

<http://library.avsim.net/download.php?DLID=181964>

Scenery C1 (3°) – *(published February 2012)*

It covers the central portion of the western branch of the lake and extends to Intelvi valley. It includes the Argegno's community with some dedicated buildings, the NLC pier, the cableway Argegno-Pigra and the community of Intelvi valley, in addition of a small and unique museum of "Financial Police and Smuggling" in Erbonne. On coast lake there are minor docks and boats.

<http://library.avsim.net/download.php?DLID=181432>



Scenery B2 (4°) – *(published March 2012)*

I will include a small portion of western part of the lake and the mountain area of mountains Bollettone and Palanzone, between the two branches of Lario. The NLC pier of Pognana Lario is enclosed. Where the lake, some minor docks and boats are present.

<http://library.avsim.net/download.php?DLID=181463>

Scenery C2 (5°) – *(published April 2012)*

It covers the initial part of the western branch of the lake, including the Comacina island and the mountain area of Monte San Primo between the two branches. It includes the NLC piers of Sala Comacina, Comacina island, Campo, Lenno, Tremezzo, Bellagio (2), S. Giovanni, Lezzeno; it includes several dedicated buildings as Taverna Bleu hotel (Sala Comacina), S. Maria e S. Giacomo churches, villa Balbiano (Ossuccio), church and pier of S. Michele (Colonno), villa del Balbianello (Lenno), hotel Villa Marie, S. Lorenzo Church, villa La Quiete, Grand Hotel, villa Carlotta, hotel La Darsena, Pub motor ship Bisbino (Tremezzo), villa Melzi, villa Giulia, buildings Carillon e lungolago Manzoni, hotels Excelsior, Du Lac, Metropole (Bellagio). Two NLC ferry (moted on the way Bellagio-Cadenabbia) are placed together with other minor boats and docks placed alongside the coast, including platforms for seaplanes arrival.

<http://library.avsim.net/download.php?DLID=181432>



Scenery D1 (6°) – *(published May 2012)*

It covers the western part of the lake and the hinterland, which connects the valley to Lugano lake. It includes docking NLC Cadenabbia and Menaggio, there are several buildings as such church of S. Rocco (Griante), NLC ticket office, memorial to the Bowler and Britannia hotel (Cadenabbia), Villa La Gaeta (San Siro), old building Guardia di Finanza, boarding square and Grand Hotel Menaggio (Menaggio). The motor Orione is present along Menaggio dock; along the lake, smaller boats and piers are present.

<http://library.avsim.net/download.php?DLID=181588>



Scenery D2 (7°) – *(published July 2012)*

It covers the east area of the central part of the lake, with the mountains of Vandrognio, Parlasco and the Esino Lario pass. The NLC piers of Varenna and Bellano are included, in addition of some dedicated buildings as Vezio castle (Perledo), villa Monastero, S.Giorgio church, marina, piers, hotel Olivedo, and some villas (Varenna), Tommaso Grossi square with pier and light fountain, S.Nazaro-Celso and S.Rocco-Sebastiano churches, Cantoni old cotton mill, group of houses by the lake (Bellano).

There are also included four viaducts between the tunnels of the freeway 36, with moted traffic. Hydrofoil G. Marconi at Bellano pier together with other minor boats and docks alongside the lake coast; a moted traffic of motorboats is placed between Varenna's piers.

<http://library.avsim.net/download.php?DLID=181602>

Scenery E2 (8°) – *(published November 2012)*

It affects the upper area of the lake, called Alto Lario, with the related inland with Legnoncino and Legnone mountains.

It includes the NLC piers of Dervio, Piona and Colico (east side), Crema, Pianello del Lario, Musso and Dongo (west side), further of dedicated buildings, as S.Tommaso of Canterbury church and fortification (Corenno), Cistercian abbey (Piona), pier and dock (Colico), S.Stefano church, factory bulidings and airpollution control machinery (Dongo) Rezzonico's castle (S.Siro).



This scenery includes several Dervio's details, among which: Boldona's park office and stand, railway station, NLC shipyard, Pontile piers with Concordia steamer, dock bay with small floating pier and compass of the lake, S. Peter and Paul church and houses front of lake, hydro power station, Municipality and some other buildings, Castello's tower, windsurf school, windsurfers and kitesurfers on the lake, cross and Madonna on top of Legnoncino mountain. There are also included two viaducts between the tunnels of the freeway 36, with moted traffic. Catamarans Città di Como and Tivano at Colico/Dongo piers together with other minor boats and docks alongside the lake coast; a moted regata of catamarans is placed in the lake between Pianello and Dervio.

<http://library.avsim.net/download.php?DLID=181639>



Scenery F1 (9°) – *(published December 2012)*

It covers the area on the far north of the lake, with the adjoined mountains.

It includes the NLC piers of Domaso and Gravedona (east coast). Some dedicated buildings are included, as Lusardi's Fort (Montecchio), St. Stefano and S. Miro churches, the oratory, villa Giulini's ruins (Sorico), St. Bartolomeo church (Peledo), villa Camilla (Domaso), Palazzo Gallio, St. Maria del Tiglio e St. Vincenzo churches (Gravedona).

several camping areas, other minor boats and docks are placed alongside the lake coast.

<http://library.avsim.net/download.php?DLID=173901>

Scenery F2 (10°) - *(published January 2013)*

It includes the mouth of the river Adda at the beginning of the Valtellina, the Pian di Spagna and Mezzola lake with the Mera river. Dedicated models are in, such as the Space Center of Telespazio and the center of Nature Reserve (Pian di Spagna), the Passo's Bridge (Mera river, Sorico) and the old steamer, now abandoned, Plinio (Verceia); several boats and docks are located lakeside as well as other smaller bridges across rivers and streams.



<http://library.avsim.net/download.php?DLID=174767>



Scenery E1 (11°) - *(published February 2013)*

It includes the hilly and mountainous area on the western parts of Alto Lario, with the peak of Vastoma and the Bregagno mountain. The scenery covers the area from Mount Stabiello (NW) to Germasino (NE), from Malè (SW) to Santa Maria (SE), and includes the church of San Bernardo (on a mountain ridge above Musso), as well as buildings and trees, autogenerated / from library, duly spreaded across the scenario.

<http://library.avsim.net/download.php?DLID=175122>

Scenery C3 (12°) - *(published April 2013)*

It covers the initial part of the east branch of Lario together with hinterland with mountains of the northern Grigna and St. Martino, from Limonta (NW) to Northern Grigna mountain (NE), from Onno (SW) to Grignetta mountain (SE).

It includes the NLC piers of Lierna and Mandello del Lario (eastern shore), Limonta, Onno and Vassena (western shore), in addition of some specific buildings as the small church and Museum of Cycling (Ghisallo), the villa at pier (Limonta) and the freeway overpass (Mandello del Lario).

Alongside the coast minor docks and boats are present

<http://library.avsim.net/download.php?DLID=176766>



Scenery B3 (13°) - *(published May 2013)*

It includes the southern part of the eastern branch of the lake and, in the eastern inland, the Pian dei Resinelli mountains and, in the western inland, the Canzo's Horns and the Malascarpa Stone. The NLC piers of Mandello del Lario, Abbazia Lariana, Lecco (east coast) and Onno (west one) are included, in addition of some dedicated buildings, as the Moto Guzzi rowing club (Mandello), the monument to Antonio Stoppani, the St.Nicolao church



and bell tower, the Social theater with Garibaldi's monument, the war memorial, the Rowing club building and the Kennedy bridge (Lecco); are included two NLC piers (Abbadia Lariana and Lecco) and a motorboat Ninfea of the NLC navigation; from Mandello to S. Martino mountain several sections of the freeway SS36 are included, with overpasses and tunnels. Some other minor boats and docks are placed alongside the lake coast.

<http://library.avsim.net/download.php?DLID=177442>

Scenery B4 (14°) –

(published September 2013)

It includes the extreme south-east area near to the end of the lake, with the related mountains of which the Resegone, the Two Hands mount and the Zoccone Horn. Specific buildings are included (Lecco), as the Meridiana shopping center, the Azzone Visconti old bridge, the Alessandro Manzoni monument, some italian trains in the railway station and several sections of the highway SS36 with overpasses and tunnels. <http://library.avsim.net/download.php?DLID=179318>



Scenery A4 (15°) - *(published September 2013)*

It includes the area south of the end of Lario eastern branch, with the small lakes of Garlate and Olginate, in addition to the Mount Barro. It extends from Pescate (NW) to Fracchio, Valsecca, Gromo (NE), from mountains around S. Genesio hamlet (SW) to Careggia, Opreno (SE); specific Oggiono weir is included.

<http://library.avsim.net/download.php?DLID=179780>

Scenery A3 (16°) –

(published October 2013)

It includes the eastern lower area of the Lario two branches, with the small lakes of Annone and Pusiano, on high Brianza area. This scenery covers the area from Corneno-Galliano-Carella-Mariaga (NW) to Valmadrera (NE), from Costa Masnaga (SW) to Colle Brianza, Nava (SE); specific buildings are included as overpasses of highway SS36 at inlet of Barro mountain and Cross at Cornizzolo mountain.



<http://library.avsim.net/download.php?DLID=180385>



Scenery A2 (17°) – *(published November 2013)*

This last scenery includes the central lower area of the Lario two branches, with Pusiano and Alserio lakes on high Brianza area, from the mountains over Albese con Cassano/Albavilla (NW) to Segrino small lake (NE), from Verzago/Alzate Brianza (SW) to Tabiago/Cibrone, Costa Masnaga (SE). Inside Verzago area is placed the AVL airport for gliders (LILB - Aeroclub Volovelistico Lariano)

<http://library.avsim.net/download.php?DLID=180929>

Authors, Collaborators and Credits

The idea born of love towards Como Lake of [Aldo Della Vedova](#) (*scenery developer experienced on 3D objects*), already experimented in some single Lario's scenery. But it is only after the meeting with [Daniele Lanfranchi](#) (*terrain photoreal and meshes specialist*) that the project really born and take shape. The team settles quickly, reinforced at the beginning by [Diego Caligiuri](#) and now by [Gian Mario Verga](#), *caring of autogen and placing library models*.

Also, as mentioned in the General Content, the project includes a virtual seaplanes AI traffic, developed with the support of [Gianluca Giovannini](#) (*AI traffic and AFCAD specialist, father of Phoenix Team*).

Finally, authors want to give many thanks to the persons who have contributed to both direct aid with helpful suggestions or the availability of programs used:

- *Renato Galter*, of Volo Virtuale Torino
- *Harry Urban*, of Euroairport2011
- *GianP*, of VoloVirtualeTorino for TreePlanter explanation use
- *Professeur Gmax*, for the useful Gmax tutorials
- *Luis Sá*, for SBuilder use availability
- *Arno Gerretsen*, of FSDeveloper for the great support on SDK applications.
- *Carenado's staff*, to authorize the use of its aircraft
- *David Rowberry*, to authorize the use of its A.I.R. glider
- *Mario Noriega*, to authorize the use of its aircraft Nardi FN-333 Riviera
- *Helmuth Hauck*, for Generic Building e AgenT tutorials
- *Phil Crowther*, to authorize the use of its First Class Destroyer
- *CapitanKarl of Tuttovola's team*, to authorize the use of its Deltaplano
- *Wolfgang Faber and Erwin Welker*, to authorize the use of Steamship Prinz Henrich

For the Ones who WANT to be grateful !

As mentioned above, this work is accessible to all for free, although anyone can well imagine that it is the result of much time spent with diligence and competence.

Neither the author nor the team members ask anything, but if anyone wants to somehow be grateful, we include below an address among many that need help:

ITALIAN LEAGUE MULTIPLE SCLEROSIS O.N.L.U.S

<http://www.lism.it/index.php/ita/Sostieni-LISM/Dona-on-line>

"We can also help They to fly with us"

Photo gallery

You can find on below some images taken directly from the scenarios.

Scenery A1



Tavernola, NLC yard



Como, Villa Geno. fountain on the lake



Como Villa Olmo



Como, Idroscalo AeroClub Como



Como, Volta's temple and War memorial monument



Como, Cavour square and Cathedral



Como, Como-Brunate cable railway starting



Como, old Walls and Towers



Como, Volta's Battery monument



Como, view from Voltiano Lighthouse



Como, view from Nord-West



Como, view from South-West



Como, Cavour square



Como, front lake

Scenery B1



Cernobbio, Akzo Nobel buiding



Cernobbio, villa Erba – Convention Center – NLC pier



Cernobbio, Villa d'Este



Moltrasio, NLC pier



Carate Urio, NLC pier



Laglio, Villa Oleandra



Brienno, NLC pier



Nesso, NLC pier



Careno, NLC pier



Faggeto Lario, NLC pier



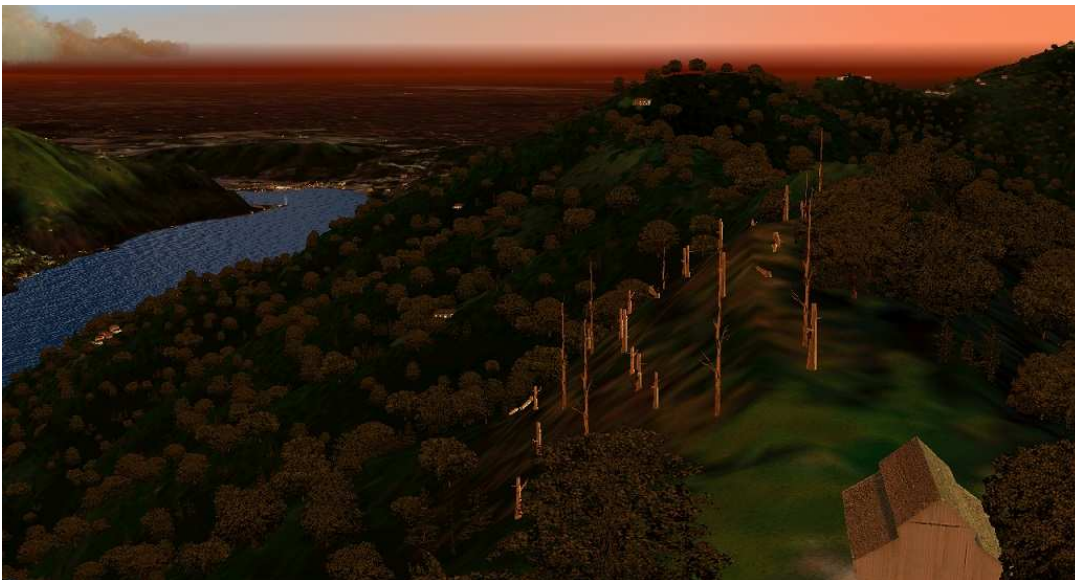
Torno, NLC pier



Blevio, NLC pier



Cernobbio, view from lake



view from mountains over Moltrasio



Torno, Villa Pliniana

Scenery C1



Aregno, lake front



Aregno, square Roma buildings



Aregno, Telo torrent, marina and SS. Trinità church



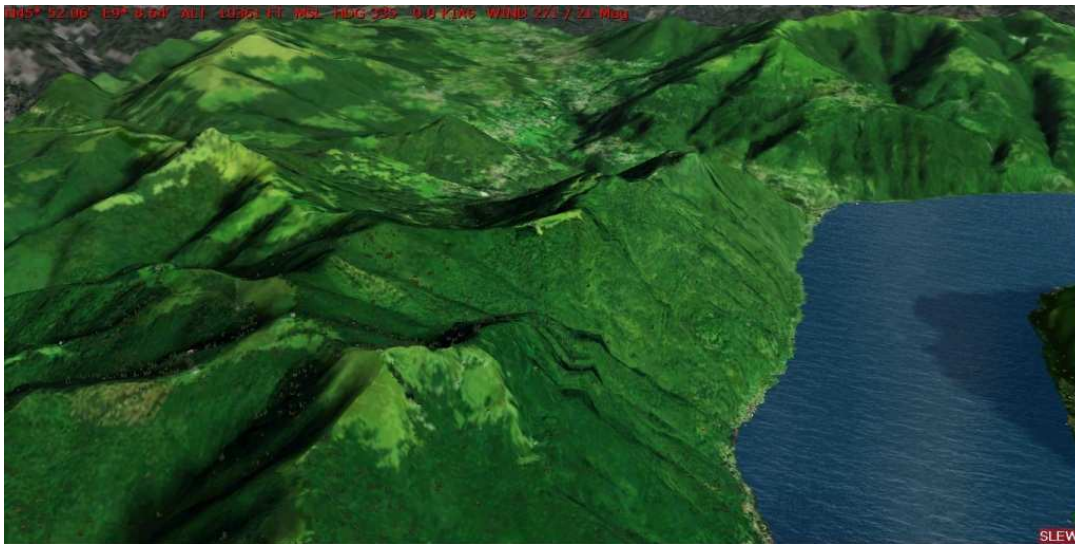
Argegno, cableway departure station for climbing to Pigra



Pigra, view from cableway departure station for descent to Argegno



Erbonne, "Financial Police and Smuggling" museum



Aerial view



View from Pigra



"Crotto dei Platani" restaurant

Scenery B2



Pognana Lario – Navigazione Lago di Como pier



Monte Careno



Asso



Canzo



Caglio and Sormano



Overview



Cycling race at the al "Sormano's wall"



Asso, view



Canzo e Asso, landscape

Scenery C2



Colonno – parish Church and pier



Sala Comacina – pier and Taverna Bleu hotel



Isola Comacina - landscape



Ossuccio –S. Maria and San Giacomo churches



Ossuccio – villa Balbiano and Campo's pier



Lenno – villa of Balbianello



Lenno – pier NLC



Tremezzo – villa La Quiete



Tremezzo – parish Church and Ville Marie hotel



Tremezzo – pier NLC and La Darsena hotel



Tremezzo – Grand Hotel, villa Carlotta e Pub motor ship Bisbino



Bellagio – landscape with piers, hotels and villas



Bellagio – villa Melzi



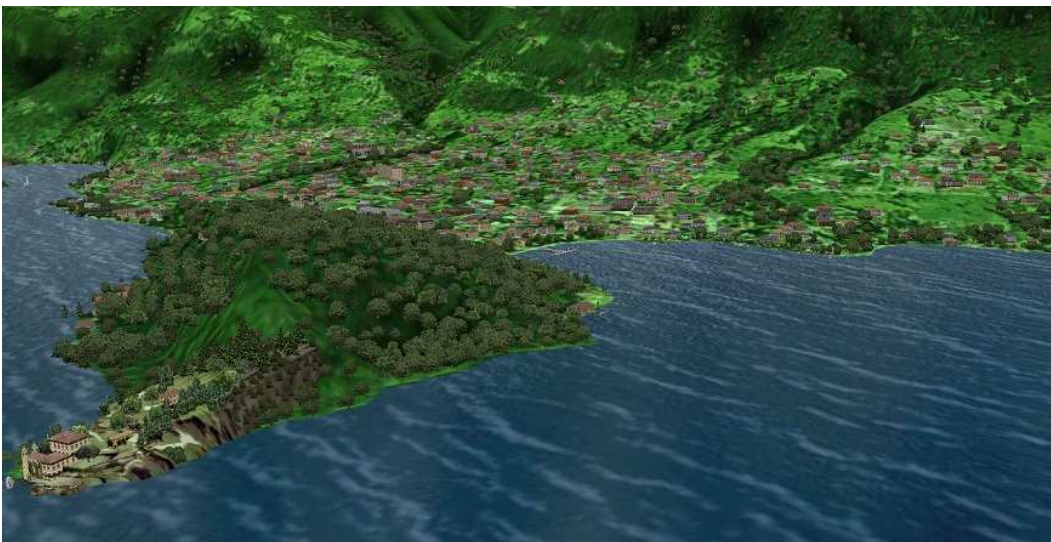
San Giovanni – pier NLC



Lezzeno – pier NLC



Comacina Island, view



Lenno and Balbianello's headland, view



Tremezzo, view



Bellagio, view



General overview

Scenery D1



Cadenabbia – ferry piers NLC



Griante – S. Rocco church



Menaggio – boarding square for ferry piers NLC



Nobiallo – marina



San Siro – villa La Gaeta



Acquaseria – old disused jetty



Piano Porlezza – little Piano's lake and camping



Menaggio, view



Piano's lake, view



General landscape

Scenery D2



Fiumelatte – landscape and viaduct



Varenna – villa Monastero



Perledo –Vezio's castle



Varenna – hystorical downtown facing the lake



Varenna – ferry/pier NLC and Olivedo hotel



Bellano – landscape



Bellano –Pioverna mouth and Sailing Club



Bellano –NLC pier



Bellano – fountain lights



Bellano –Tommaso Grossi square



Bellano – buildings facing the lake



Bellano – freeway 36 interchange



Vendrognò - landscape



Valsassina - landscape



Varenna, veduta



Bellano, veduta



passo di Esino dal Castello di Vezio, veduta

Scenery E2



Dervio – landscape



Dervio – NLC shipyard



Dervio – dock bay and NLC pier



Dervio – railway station



Corenno Plinio – Castle, S.Tommaso di Canterbury Church and houses front the lake



Piona –NLC pier and Cistercian Abbey



Colico – Docks and NLC piers



Dongo – landscape, with S. Stefano church and NLC pier



Musso – NLC pier



Pianello del Lario – NLC pier



Crema – old disused NLC pier



S. Siro – landscape with Rezzonico's castle



Colico, view

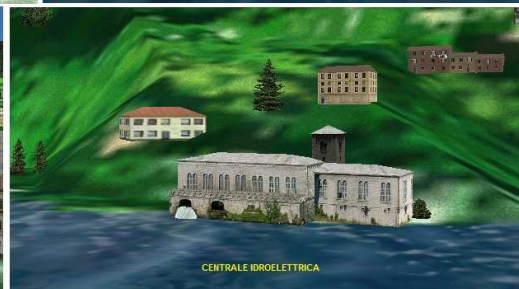
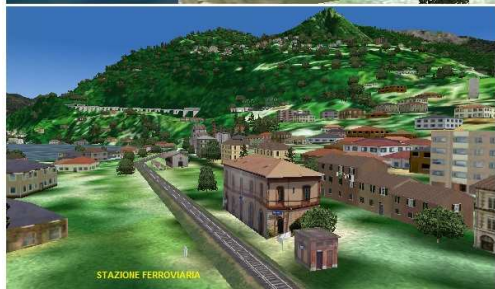


Colico, railway station



Legnoncino, Legnone mountains and Valvarrone valley, view

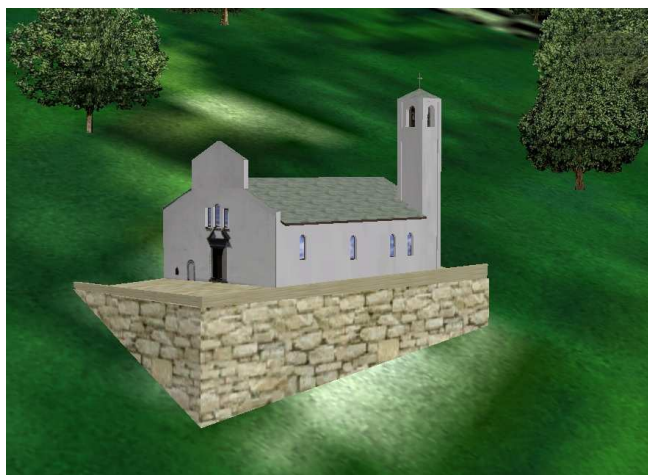
Dervio – other details



Scenery F1



Montecchio Nord - Lusardi's Fort



Sorico - San Miro church



Sorico – Santo Stefano Church and oratory



Sorico – Villa Giulini ruins



Peledo – San Bartolomeo church



Domaso – Villa Camilla town hall



Domaso – pier NLC



Brenzio – TV transmitters



Gravedona – Palazzo Gallio



Gravedona – Santa Maria of Tiglio and San Vincenzo churches



Gravedona – pier NLC

Scenery F2



Sorico – Passo's Bridge



Pian di Spagna – Nature Reserve center



Pian di Spagna –Telespazio Space Center



Pian di Spagna – Nature Reserve (fall)



Pian di Spagna – Nature Reserve (winter)



Verceia – old steamer Plinio, now abandoned

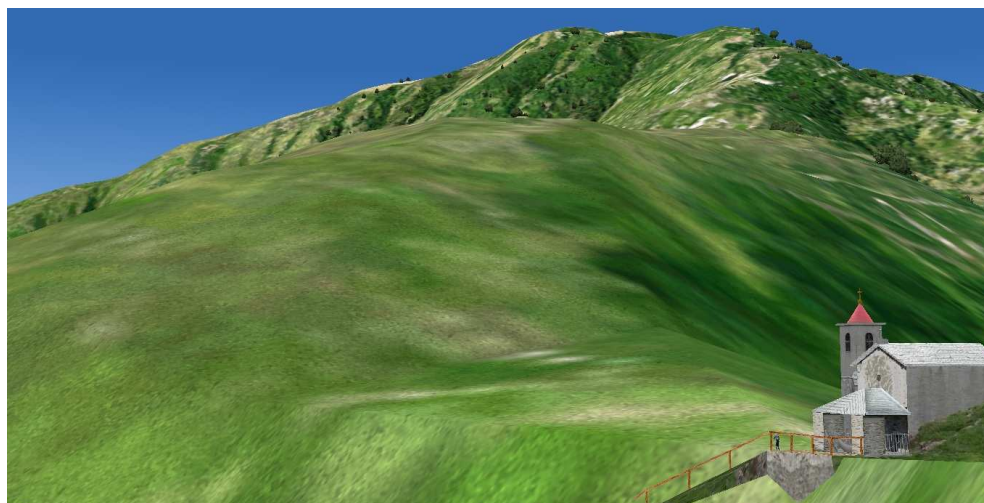


Mezzola lake – landscape from Val Chiavenna

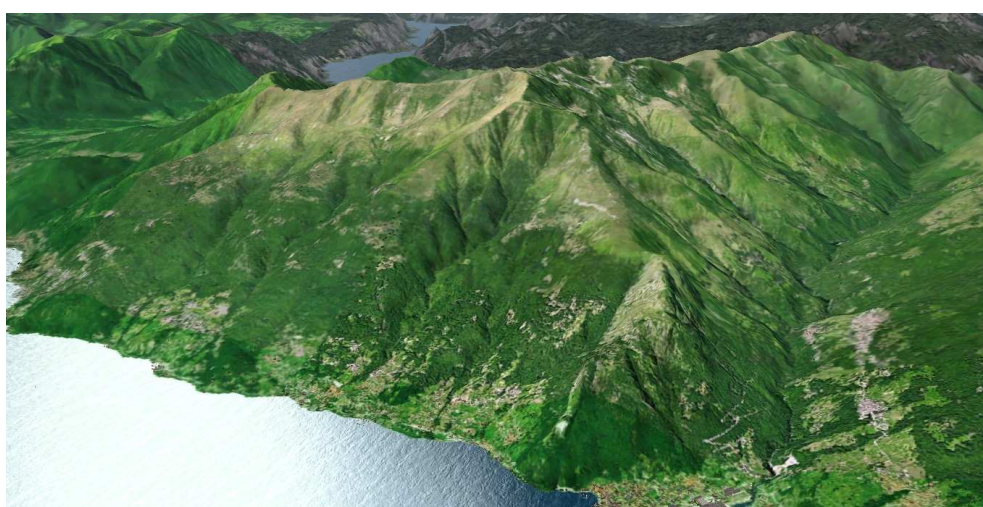
Scenery E1



Bregagno mountain, view from Dervio



Musso –San Bernardo’s little church



Overview

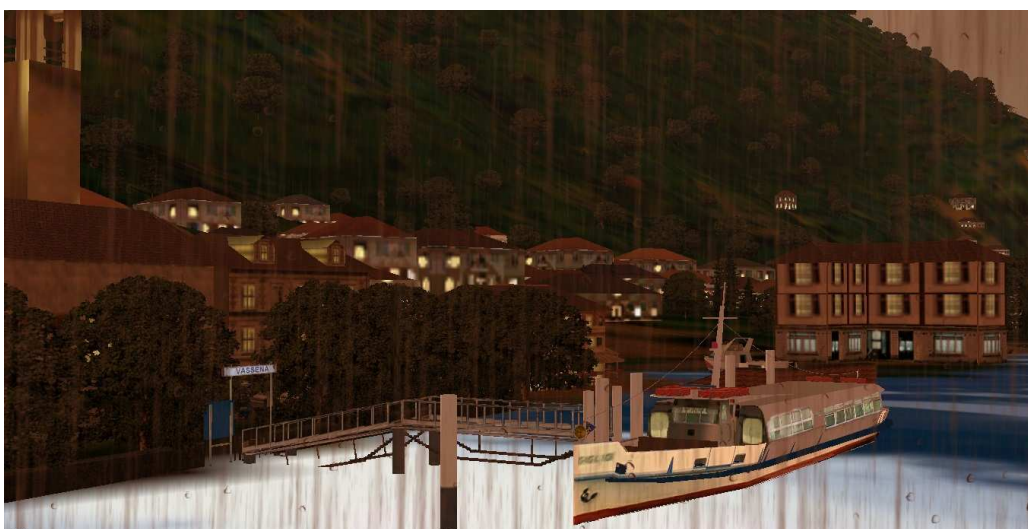
Scenery C3



Limonta – pier NLC



Onno – pier NLC



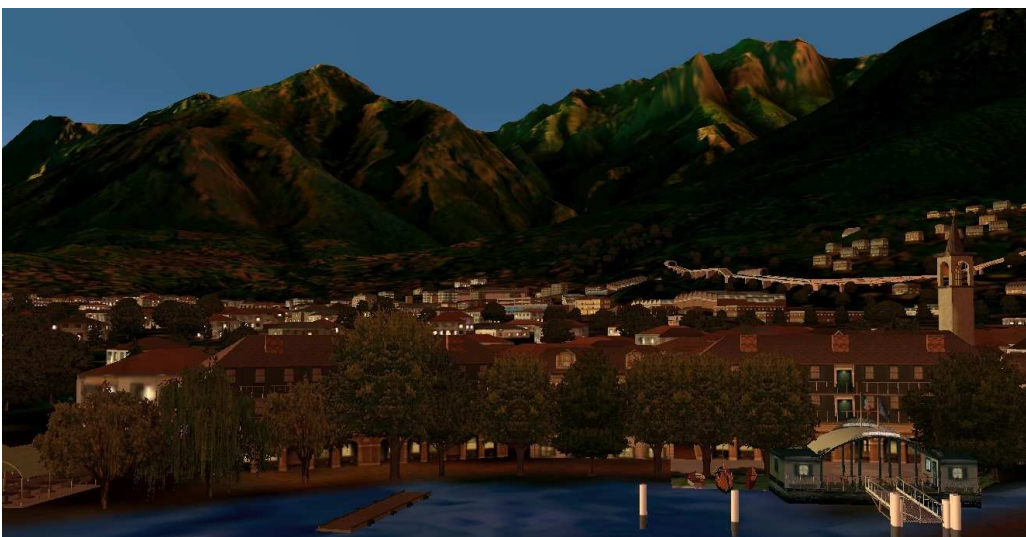
Vassena – pier NLC



Small church e Museum of Cycling - Ghisallo



Lierna – pier NLC



Mandello del Lario – pier NLC



Overpasses and tunnels of SS36 freeway



Overpass interruptions (Mandello del Lario) ... waiting for scenery B3



Overview

Scenery B3



Landscape of the final part of Lecco's branch, view from south



Mandello del Lario, Rowing Club Moto Guzzi



Abbadia Lariana, NLC pier



Highway SS36



Lecco, Antonio Stoppani square and monument



Lecco, NLC pier and (on background) S. Nicolao church and bell tower



Lecco, Social Theater and Giuseppe Garibaldi's monument



Lecco, War Memorial



Lecco, Rowing Club headquarter



Lecco, Kennedy bridge



Malgrate and Valmadrera overview



Grigna and Grignetta mountains landscape, view from residence Kosmopolitan

Scenery B4



Nord Overview from S.Martino mountain



South overview from Garlate small lake



Lecco, Alessandro Manzoni monument



Lecco, old bridge



Lecco, overpass SS36 from Barro mountain



Lecco, La Meridiana shopping center



Lecco, steel factory



Lecco, railway station



trains

Scenery A4



General overview



View from south of Garlate lake



Olginate, adjustment weir



View from the north



View from the south

Scenario A3



Civate – view from inlet of highway 36 to Barro mountain



Civate – view from Nord



Isella, Annone lake



Dolzago – sports center



Calvenzana – industrial area



View from South



View from the cross of Cornizzolo mountain

Scenery A2



South Overview



Verzago – AVL (Aeroclub Volovelistico Lariano) airport landscape



Verzago – AVL elidersi airport



Verzago – AVL runway, south view



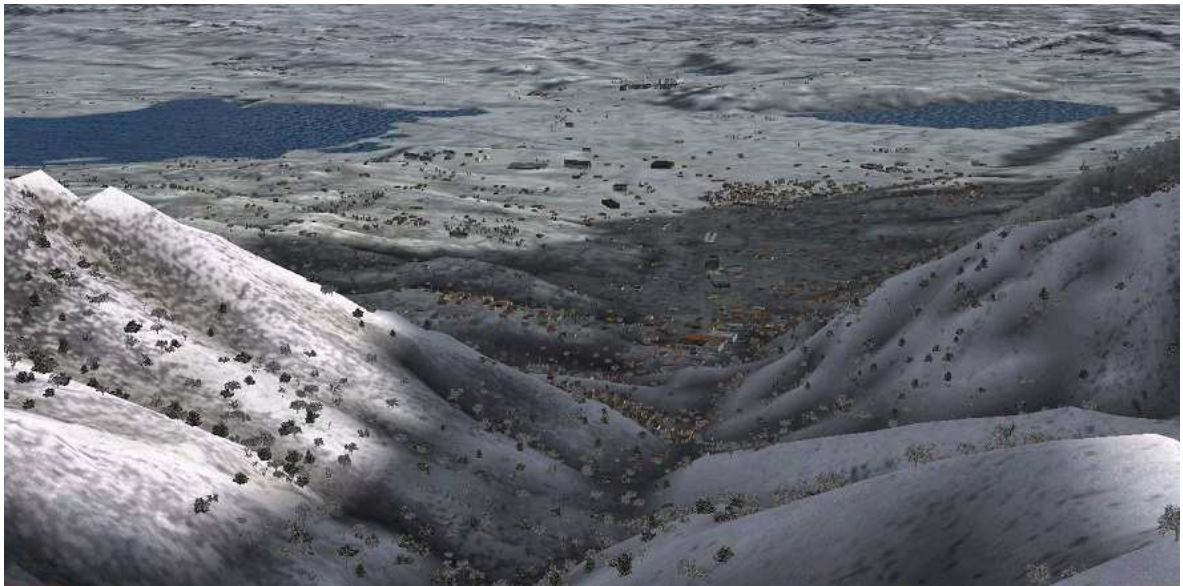
Verzago – AVL airport, hangar



Merone, cement plant



Erba, exhibition center



North overview

Started November 2011 ...



... accomplished a November 2013

**Have your nice simulated flights on Lake Como, and if you can just,
visit it live!**

<http://www.youtube.com/watch?v=DU0mISMpqDI>
<http://www.youtube.com/watch?v=5YakCFPDbos>