

# EVENTS & VENUES



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BROADCASTERS  
HANDBOOK



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# Oslo - the Winter Capital

With its 600.000 citizens, Oslo is Norway's biggest city and has been the official capital of Norway since 1814. The city's history goes back to around the year 1000.

The combination of city life and easy access to outdoor activities makes Oslo a unique destination. Oslo is situated at the end of the Oslo Fjord, surrounded by woodland covered hills. Unlimited opportunities for winter activities lie very close to the city centre.

The winter capital Oslo is first and foremost associated with Ski Jumping at Holmenkollen, situated just 25 minutes from downtown Oslo. But in addition it can offer more than 2.600 kilometres of groomed cross-country tracks, some of which are flood-lit.

Oslo offers some 50 museums and many art galleries. Amongst the internationally known attractions are the Vigeland Sculpture Park, the Viking Ship Museum, the Munch Museum and the Holmenkollen Ski Museum. The medieval Akershus Castle and Fortress in downtown Oslo, completed in the 1300s, offers guided tours.

Newer attractions in Oslo include the Nobel Peace Centre and the Holocaust Centre. The Oslo Opera House in the old harbour area of Bjørvika opened in 2008 and immediately became an iconic landmark.

## **Facts about Oslo**

Total area - municipality of Oslo, total area: **454 sq.km.**

Inhabitants 2010: Municipality of Oslo: **600 000**

Norway in total: **4 908 100**

Population density approx. **1 200** per km<sup>2</sup>

Number of islands in the Oslo Fjord: **40**

Number of lakes within the city boundaries: **343**

Length of the Oslo Fjord: **100** km

For everything about Oslo and Oslo activities, go to **[www.visitoslo.no](http://www.visitoslo.no)**  
For more information about visitor services, see page 118-119.





# Official Events Programme

Per 1 February [subject to change]

**All times include flower ceremony after competition.  
2 minutes' transmission run-down will be added.**

<b>Date</b>	<b>Comp. time</b> Local	<b>nt. TX time</b> Local	<b>Event</b>
<b>Wed 23 Feb</b>	<b>18:00-19:00</b>	<b>17:55-19:00</b>	<b>Opening Ceremony, University Square</b>
<b>Thu 24 Feb</b>	<b>13:30-14:30</b> <b>15:00-17:00</b> 19:00-19:20 <b>19:30-20:00</b>	<b>13:20-14:30</b> <b>14:50-17:00</b> 19:00-19:20 <b>19:25-20:00</b>	<b>Cross-Country Sprint Free Qual L/M</b> <b>Cross-Country Sprint Free Fin L/M</b> Warm-up show, University Square <b>Medal Ceremonies, University Square</b>
<b>Fri 25 Feb</b>	11:30-12:30 <b>12:30-13:30</b> 14:00-15:00 <b>15:00-16:30</b> 19:00-19:20 <b>19:30-20:00</b>	11:20-12:20 <b>12:20-13:30</b> 13:50-14:50 <b>14:50-16:30</b> 19:00-19:20 <b>19:25-20:00</b>	Ski Jumping HS106 Trial M <b>Ski Jumping HS106 Qual M</b> Ski Jumping HS106 Trial L <b>Ski Jumping HS106 Ind L</b> Warm-up show, University Square <b>Medal Ceremonies, University Square</b>
<b>Sat 26 Feb</b>	09:00-10:00 <b>10:00-11:00</b> <b>11:30-12:30</b> <b>13:00-13:45</b> 14:00-15:00 <b>15:00-16:45</b> 19:00-19:20 <b>19:30-20:00</b>	08:50-09:50 <b>09:50-11:00</b> <b>11:20-12:30</b> <b>12:50-13:45</b> 13:50-14:50 <b>14:50-16:45</b> 19:00-19:20 <b>19:25-20:00</b>	Nordic Combined HS106 Ind Trial <b>Nordic Combined HS106 Ind</b> <b>Cross-Country 15km Pursuit L</b> <b>Nordic Combined 10km Ind</b> Ski Jumping HS106 Trial M <b>Ski Jumping HS106 Ind M</b> Warm-up show, University Square <b>Medal Ceremonies, University Square</b>
<b>Sun 27 Feb</b>	<b>12:00-13:30</b> 14:00-15:00 <b>15:00-16:45</b> 19:00-19:20 <b>19:30-20:00</b>	<b>11:50-13:30</b> 13:50-14:50 <b>14:50-16:45</b> 19:00-19:20 <b>19:25-20:00</b>	<b>Cross-Country 30km Pursuit M</b> Ski Jumping HS106 Team Trial M <b>Ski Jumping HS106 Team M</b> Warm-up show, University Square <b>Medal Ceremonies, University Square</b>
<b>Mon 28 Feb</b>	10:30-11:30 <b>11:30-12:30</b> <b>13:00-14:15</b> <b>15:00-16:15</b> 19:00-19:20 <b>19:30-20:00</b>	10:20-11:20 <b>11:20-12:30</b> <b>12:50-14:15</b> <b>14:50-16:15</b> 19:00-19:20 <b>19:25-20:00</b>	Nordic Combined HS106 Team Trial <b>Nordic Combined HS106 Team</b> <b>Cross-Country 10km Ind C1 L</b> <b>Nordic Combined 4x5km Team</b> Warm-up show, University Square <b>Medal Ceremonies, University Square</b>
<b>Tue 1 Mars</b>	<b>13:00-14:30</b> 19:00-19:20 <b>19:30-20:00</b>	<b>12:50-14:30</b> 19:00-19:20 <b>19:25-20:00</b>	<b>Cross-Country 15km Ind C1 M</b> Warm-up show, University Square <b>Medal Ceremonies, University Square</b>

<b>Wed 2 Mars</b>	10:00-11:00	09:50-10:50	Nordic Combined HS134 Ind Trial
	<b>11:00-12:00</b>	<b>10:50-12:00</b>	<b>Nordic Combined HS134 Ind</b>
	<b>12:15-14:00</b>	<b>12:05-14:00</b>	<b>Cross-Country Team Sprint CI Qual L/M</b>
	<b>14:15-15:15</b>	<b>14:05-15:15</b>	<b>Cross-Country Team Sprint CI Fin L/M</b>
	<b>16:00-16:45</b>	<b>15:50-16:45</b>	<b>Nordic Combined 10km Ind</b>
	17:00-18:00	16:50-17:50	Ski Jumping HS134 Trial M
	<b>18:00-19:00</b>	<b>17:50-19:00</b>	<b>Ski Jumping HS134 Qual M</b>
	19:00-19:20	19:00-19:20	Warm-up show, University Square
	<b>19:30-20:00</b>	<b>19:25-20:00</b>	<b>Medal Ceremonies, University Square</b>
<b>Thu 3 Mars</b>	<b>14:00-15:00</b>	<b>13:50-15:00</b>	<b>Cross-Country 4x5km Relay L</b>
	16:00-17:00	15:50-16:50	Ski Jumping HS134 Trial M
	<b>17:00-19:00</b>	<b>16:50-19:00</b>	<b>Ski Jumping HS134 Ind M</b>
	19:00-19:20	19:00-19:20	Warm-up show, University Square
	<b>19:30-20:00</b>	<b>19:25-20:00</b>	<b>Medal Ceremonies, University Square</b>
<b>Fri 4 Mars</b>	10:30-11:30	10:20-11:20	Nordic Combined HS134 Team Trial
	<b>11:30-12:30</b>	<b>11:20-12:30</b>	<b>Nordic Combined HS134 Team</b>
	<b>12:45-14:30</b>	<b>12:35-14:30</b>	<b>Cross-Country Relay 4x10km M</b>
	<b>16:00-17:15</b>	<b>15:50-17:15</b>	<b>Nordic Combined 4x5km Team</b>
	19:00-19:20	19:00-19:20	Warm-up show, University Square
	<b>19:30-20:00</b>	<b>19:25-20:00</b>	<b>Medal Ceremonies, University Square</b>
<b>Sat 5 Mars</b>	<b>12:00-13:45</b>	<b>11:50-13:45</b>	<b>Cross-Country 30km Mass St. Free L</b>
	14:30-15:30	14:20-15:20	Ski Jumping HS134 M Team Trial
	<b>15:30-17:15</b>	<b>15:20-17:15</b>	<b>Ski Jumping HS134 M Team</b>
	19:00-19:20	19:00-19:20	Warm-up show, University Square
	<b>19:30-20:00</b>	<b>19:25-20:00</b>	<b>Medal Ceremonies, University Square</b>
<b>Sun 6 Mars</b>	<b>13:00-15:30</b>	<b>12:50-15:30</b>	<b>Cross-Country 50km Mass St. Free M</b>
	<b>15:30-16:00</b>	<b>15:30-16:00</b>	<b>Medal/Closing Ceremony, Holmenkollen</b>

### Medal Summary

12 Cross-Country medal events [6 Men's, 6 Ladies']

5 Ski Jumping medal events [4 Men's, 1 Ladies']

4 Nordic Combined medal events

### Number of Expected Competitors

Cross-Country Men: 266

Cross-Country Ladies: 171

Ski Jumping Men: 90

Ski Jumping Ladies: 49

Nordic Combined: 75

# The Venues

With the NWSC in 2011, Oslo will for the fifth time gather the world's ski elite for a championship. World Championships have been held in Holmenkollen in 1930, 1966 and 1982, and Winter Olympic Games in 1952. The entire Holmenkollen arena has been rebuilt and upgraded to host the 2011 Championships.

The Holmenkollen National Ski Arena is a compact sports facility in the true sense of the word. Three sports facilities will be in use at the 2011 Nordic World Ski Championships: The Holmenkollen HS 134 Ski Jump, the Midtstubakken HS 106 Ski Jump and the Cross-Country stadium and the new track network stretching northward into the woods.

The Main Media Centre [MMC] and the International Broadcast Centre [IBC] is situated midway between the Cross-Country stadium and the Midtstubakken HS 106 Ski Jump.

The opening and closing ceremonies as well as the daily medal ceremonies will take place in downtown Oslo, at the University Square close to the Royal Castle and the National Theatre.

## How to Get There

The distance between downtown Oslo and Holmenkollen is approximately 9 kilometres, and it takes 20-25 minutes to go there by car.

During the FIS Nordic World Ski Championships, shuttle buses will be available to accredited members of the media to and from the city centre and Holmenkollen [next to the IBC/MMC].

There is also a public tram from the city centre to Holmenkollen. For further details, refer to the Transportation chapter in the Media Operations section, p. 126.

### **Daylight in Holmenkollen:**

Local time/CET = UTC/GMT +1

#### **23 February 2011:**

Sunrise 07:37

Sunset 17:28

Hours of sunlight: 09:51

#### **6 March 2011:**

Sunrise 07:05

Sunset 17:56

Hours of sunlight: 10:51

[Source: <http://sun.exnatura.org>]





New Holmenkollen HS134, Windscreen. Photo: Lars Aarønes

## **Holmenkollen Ski Jump**

Situated in the hillside above Oslo, with a magnificent view towards the city, the Holmenkollen Ski Jump is a prominent landmark and Norway's most popular tourist attraction.

Every year since 1892, Ski Jumping competitions have been taking place at Holmenkollen. Having been rebuilt or reconstructed 18 times throughout history, the new and spectacular Holmenkollen Ski Jump was officially opened in March 2010. The hill will also be used for summer jumping.

Holmenkollen has a unique permanent windscreen solution, which will protect the athletes from up to 50 per cent of the winds. The windscreen is about 10 meters high and is woven from high quality steel.

Two lifts bring the athletes up to the start house: One chair lift from the bottom of the Ski Jump and then a cabin lift following the in-run up to the start house.



There is a cafeteria in the start house, and on top of the tower, 165 m above ground level, there is a viewpoint with walls of glass.

#### **Facts about the New Holmenkollen Ski Jump**

- Use at the NWSC: Large hill competitions in men's Ski Jumping and Nordic Combined
- Competition days: 2, 3, 4 and 5 March
- Construction period: December 2008-February 2010
- First international event: FIS Continental Cup and World Cup, March 2010
- Hill size: HS 134/ K 120
- Spectator capacity: 35.000
- Official hill record as of January 2011: 139,5 [Andreas Kofler, AUT, WC 14 March 2010]
- Building materials: Tower/in-run in steel, spectator stands in steel and concrete
- Owner and constructor: City of Oslo
- Architects: JDS architects [Danish/Belgian architect firm]



## Midtstuen Ski Jump

The normal hill, HS 106, is built in close proximity to the large hill and has a spectacular view towards the city and the fiord. As opposed to the high-tech, striking look of the Holmenkollen ski jump, the Midtstuen hill is designed to blend in with its surroundings, and the natural landscape, including local rocks, has been used to a greater extent.

The hill has plastic coverage to be used also for summer jumping. There is a chair lift for transport from the bottom of the hill up to the jump tower.

Wind protection is based on shielding from existing vegetation and the surrounding forest.

South of the Midtstuen hill, five smaller training hills will be built after the NWSC for year-round use. There is also a water reservoir below the jump to be used for snow production.

### Facts about Midtstubakken

- Use at the NWSC: Normal hill competitions in ladies' and men's Ski Jumping and Nordic Combined
- Competition days: 25, 26, 27 and 28 February
- Construction period: August 2008-September 2010
- First international event: FIS Continental Cup, September 2010
- Hill size: HS 106 / K 95
- Spectator capacity: Approx. 15,000
- Owner and constructor: City of Oslo
- Architects: ØKAW Arkitekter AS and Grindaker AS Landskapsarkitekter

## Holmenkollen Cross-Country Arena

The Cross-Country arena, which is also designed for Biathlon competition, has been upgraded considerably for the 2011 championships. Innovations include five new bridges, new commentator booths, a royal grand stand and improved spectator facilities. In addition, the shooting range for biathlon is improved with wider stands and new targets.

Frognerseteren will be an important passing point during many Cross-Country events, and will have facilities for spectators including camping at assigned areas.

The ski tracks have been expanded and are now six and nine meters wide. Some areas have been given an extra two meters in width for scooters with TV-cameras.

The inner tracks [5km] have been asphalted and thus available for wheelchair users and roller skis during the summer. This leg will also have lighting.

### Facts about the Cross-country arena

- Use at the NWSC: Men's and ladies' Cross-Country events and Nordic Combined
- Competition days: All days 24 February-6 March except 25 February
- Construction completed March 2010
- First international event: FIS World Cup, March 2010
- Longest track loop: 10 km
- Spectator capacity, stadium: 27.000 [Sprint 18.000]
- Owner and constructor: City of Oslo
- Architects: Økaw

### Overview of Cross-Country Courses

Event	Course
Nordic Combined 10 km and 4 x 5 km Team	2.5 km Nordic Combined
5 km Individual Classic Qual. L	5 km Interval
10 km Individual classic Qual M	2 x 5 km Interval
Individual Sprint Free L	1.3 km
Individual Sprint Free M	1.5 km
15 km Pursuit L	[2.5 km Pursuit + 5 km Pursuit] + [2 x 3.75 km]
30 km Pursuit M	[3 x 5km Pursuit] + [4 x 3.75 km]
10 km Individual Classic L	10 km
15 km Individual Classic M	10 km + 5 km Interval
Team Sprint Classic L	2 x 3 x 1.3 km
Team Sprint Classic M	2 x 3 x 1.5 km
4 x 5 km Relay L	4 x 5 km Relay
4 x 10 km Relay M	4 x [2 x 5 km Relay]
30 km Mass Start Free L	5 km A + 3 x 8.3 km
50 km Mass Start Free M	6 x 8.3 km





## Medal Plaza - University Square

The University Square in downtown Oslo will be the scene of the official Opening Ceremony as well as the daily medal awards ceremonies. Norwegian landmarks, such as the Royal Palace, the Parliament, Oslo City Hall and the National Theatre, will form a spectacular setting for the performances.

The official Opening Ceremony will be taking place on Wednesday, 23 February at 18:00.

All medal presentations will take place in the evening at 19:30, with the exception of the last event on the final day, which will be part of the Closing Ceremony in Holmenkollen.

Every evening at 19:00, prior to the actual medal presentations starting at 19:30, there will be a warm up show with national and international artists.





Photo: Odd Kaldefoss/NRK.

Oslo University will celebrate its 200th anniversary in 2011, and for the occasion a modern stage will be erected in the square. The square can hold almost 6000 spectators and extra large projection screens will be set up to enable the crowds to follow the events also outside the square itself.

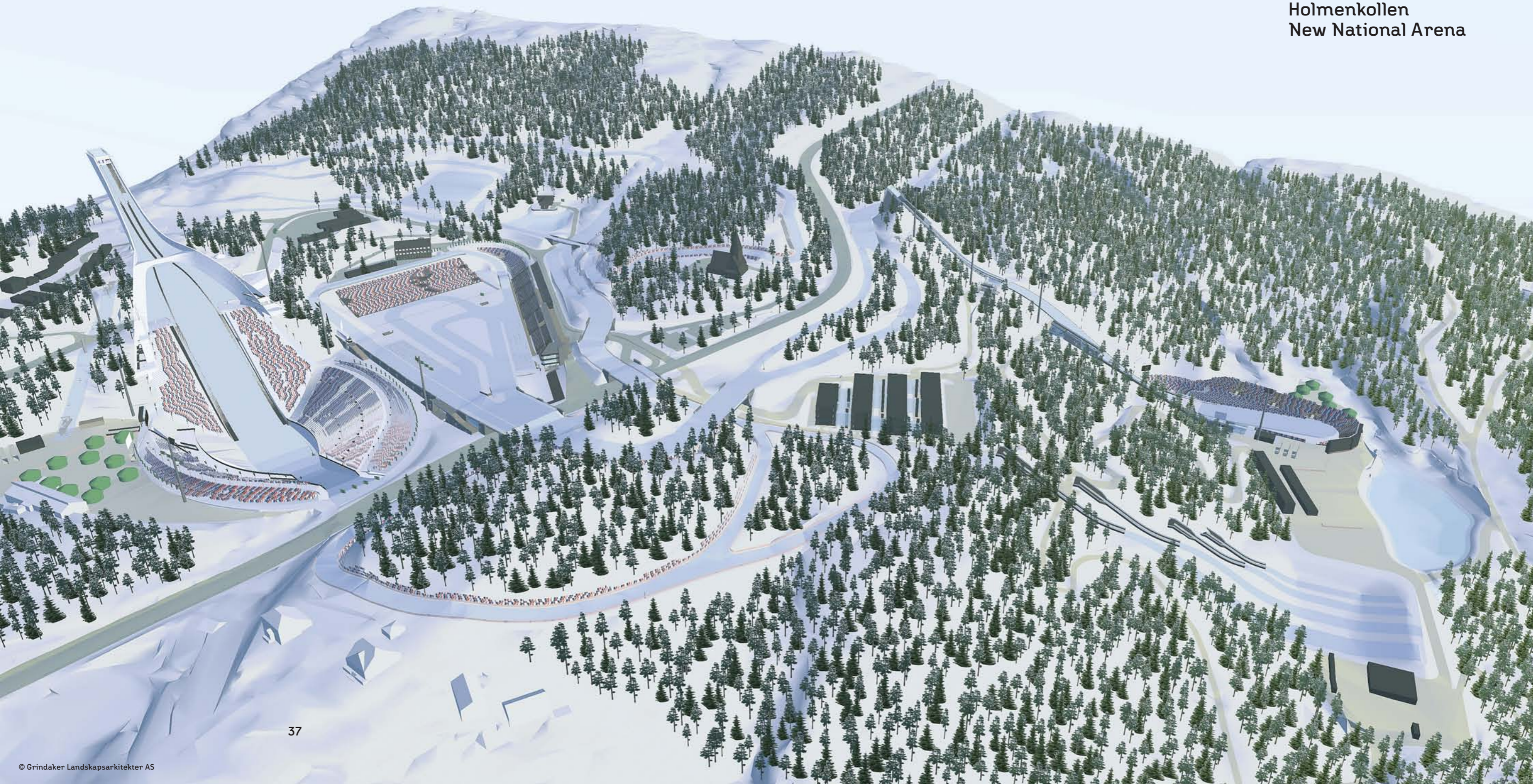
Oslo's main street, Karl Johan, will form the main axis of the area which will be car-free for the occasion. Along this axis, a series of sculptures in ice and snow, inspired by Edvard Munch, will be erected.



A special Nordic Park will be created, with refreshment tents as well as a market selling typical Norwegian products. The entire city core will be filled with public activities expected to attract large crowds every night.



Holmenkollen  
New National Arena



Holmenkollen  
New National Arena

Warm-up  
tracks

Team  
Cabins

Team  
Cabins

Coaches  
Stand

Judges  
Tower

Lift

Compound

Team  
Cabins

Royal  
Stand

Coaches  
Stand

Lift

Compound

Cross Country  
Stadium

HS134 Holmenkollen

Mixes Zone

Commentary Positions

Commentary  
Positions

Media  
Stop

Mixed Zone

Photo Stand

TV Studios

Coaches Stand

Judges Tower

HS106 Midtstubakken

Lift

Compound

Commentary Positions

Team Cabins

RTV Compound

MMC

IBC

Mixed Zone

