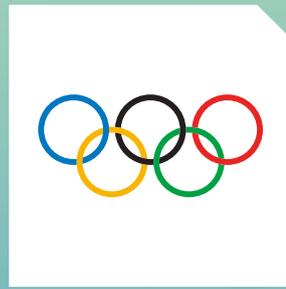


**GANGWON
2024**



**YOUTH
OLYMPIC
GAMES**

LUGE

SPORT EXPLANATORY BROCHURE



**GROW TOGETHER
SHINE FOREVER**



LUGE

SPORT EXPLANATORY BROCHURE: LUGE

I GANGWON 2024 WELCOMES YOU

You are about to take part in the 4th edition of the Winter Youth Olympic Games Gangwon 2024.

This document summarizes relevant information about the Luge events, venue and services. It represents the common source of information that will help you and your team plan and prepare, before heading to the Olympic Legacy of the Winter Olympic Games PyeongChang 2018.

Please note that there will be a follow-up to this brochure, as this document is meant to explain the higher-level plans, whereas more detailed information will be found in the Gangwon 2024 Sports E-Guide which will be published in December 2023. The Gangwon 2024 will be able to deliver new, innovative and smarter Youth Olympic Games, generating impact and sustainability in terms of economic and social development.

We look forward to welcoming you to the city of Pyeongchang, Gangneung, Jeongseon, Hoengseong, and Gangwon State, for two weeks of competition, learning and sharing.

I KEY DATES

| DATES | TOPIC | ACTIVITY |
|---------------|-----------------------------|---|
| 13 JANUARY | Youth Olympic Village (YOV) | Soft Opening of YOV Gangneung (YVG) |
| 15 JANUARY | Youth Olympic Village (YOV) | Official Opening of YOV Gangneung (YVG) |
| 16-19 JANUARY | Official Training (SPT) | Official Training – Luge Singles, Doubles |
| 19 JANUARY | Ceremonies (CER) | Opening Ceremony (GOV) |
| 20-21 JANUARY | Competition (SPT) | Competition |
| 22 JANUARY | Official Training (SPT) | Officials Training – Luge Team Relay |
| 23 JANUARY | Competition (SPT) | Competition |
| 1 February | Ceremonies (CER) | Closing Ceremony (GOP) |

COMPETITION PERIOD

The Competition Period for Luge is 15 January to 23 January for nine (9) days in total (including Official Training). The competition will take place at the Alpensia Sliding Centre, located in the PyeongChang, Alpensia Sports Park.

COMPETITION SCHEDULE

| UNOFFICIAL TRAINING | | OFFICIAL TRAINING | | | MEDAL EVENT | | | |
|-------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|--------------------------------------|--------------------------------------|
| DAY 1 | DAY 2 | DAY 3 | DAY 4 | DAY 5 | DAY 6 | DAY 7 | DAY 8 | DAY 9 |
| January 15 | January 16 | January 17 | January 18 | January 19 | January 20 | January 21 | January 22 | January 23 |
| 08:00-12:00 LUGE SINGLE | 08:00-10:00 LUGE SINGLE W | 08:00-10:00 LUGE SINGLE M | 08:00-10:00 LUGE SINGLE W | 08:00-10:00 LUGE SINGLE M | 08:00-10:00 LUGE SINGLE W | 08:00-10:00 LUGE SINGLE M | 10:00-12:00 LUGE TEAM RELAY | 10:30-12:00 LUGE TEAM RELAY |
| 12:30-16:00 LUGE DOUBLE | 10:00-11:30 LUGE DOUBLE M | 10:00-11:30 LUGE DOUBLE W | 10:00-11:30 LUGE DOUBLE M | 10:00-11:30 LUGE DOUBLE W | 10:30-12:00 LUGE DOUBLE M | 10:30-12:00 LUGE DOUBLE W | | |

CEREMONIES

For more detailed information regarding Opening, Closing, and Victory Ceremonies, as well as Farewell Parties, please refer to [the CER chapter of the Chefs de Mission \(CdM\) Guide](#).

TEAM CAPTAIN MEETING(TCM)

The first Team Captain Meeting (TCM) for Luge will be held on 15 January at 5:00 pm at the Alpensia Sliding Centre.

The meeting will take place in the TCM Technical Room (2nd floor) of the Finish House. The following TCMs will take place at the same place on 19 January, a day before the first competition; 21 January, a day before the Official Training of Team Relay; and 22 January, a day before the Team Relay event.

The complete TCM schedule will be published as an appendix after DCAS is completed.

SPORT INFORMATION DESK (SID)

The Sport Information Desk (SID) will be operated at the competition venue and the Youth Olympic Village Gangneung (YVG).

At the Youth Olympic Village Gangneung (YVG),

| | |
|----------------------------|---|
| Operating period: | 13 January to 3 February |
| Operating hours: | 13, 14 Jan 08:00-20:00, 15 Jan-2 Feb 07:00-21:00, 3 Feb 07:00-12:00 |
| Operating location: | NOC Service Centre (R5) at the Youth Olympic Village Gangneung (YVG) |
| Access: | Chefs de Mission, Team Officials, Additional Team Officials, and NOC Assistants |

Information provided:

- Official start lists and results, competition and training schedules, and schedule updates.
- Booking and monitoring official training, TLM schedules, and communications from IFs and competition management.
- Weather reports and information, specific venue information or services, etc.

At the Alpensia Sliding Centre, the SID will be located in the Race Office on the first floor of the Finish House. The SID Crews will provide general sport information for the Luge and assist with basic requirements and inquiries.

I QUALIFICATION SYSTEM

You will find information about the qualification system in the Luge Qualification System qualification system on [NOCnet](#).

I EVENTS

There will be seven (7) Speed Skating events in total:

| Women's Event | Men's Event | Mixed Team Event |
|---------------|-------------|------------------|
| SINGLEs | SINGLEs | TEAM RELAY |
| DOUBLEs | DOUBLEs | |

I COMPETITION FORMAT

During Gangwon 2024, there will be five (5) events in Luge. All these competitions will take place at the Alpensia Sliding Centre. The competition formats are the following.

LUGE START PROCESS

- In all disciplines, starting from a start ramp is required, and one person is permitted to assist an athlete in the start ramp.

- The signal to start is carried out acoustically and optically at the same time, and the athlete may only start if the green light is visible. The start must take place within 30 seconds after the "Track is Clear" notice for singles and within 45 seconds after the "Track is Clear" notice for doubles. The start is valid if the athlete has left the start handles within this time with a push and has put the sled in motion (a flying start is not allowed).
- In the event of a suspension during a competition (with the exception of a determined sweeping interval in case of snowfall), the next starter must be given two (2) minutes preparation time before the "Track is Clear" signal is given.
- The following must be confirmed at the start:
 - Blade temperature
 - Start numbers
 - Weight checks of competitors and sleds (in the case of youth competitions, the weigh checks can be carried out at the start)
 - The measurement results at the start must be noted in the official records.

LUGE EVENTS

- During Youth Winter Olympic Games Gangwon 2024, there will be five (5) gold medals in total in the Luge events.
- Men's Singles
 - Total sum of the times recorded by the athletes in the two runs on the day of competition, to the nearest 1/1,000th of a second
- Women's Singles :
 - Total sum of the times recorded by the athletes in the two runs on the day of competition, to the nearest 1/1,000th of a second
- Men's Doubles :
 - Total sum of the times recorded by a pair of male athletes in the two runs on the day of competition, to the nearest 1/1,000th of a second. The fastest total time determines the winner.
- Women's Doubles :
 - Total sum of the times recorded by a pair of female athletes in the two runs on the day of competition, to the nearest 1/1,000th of a second. The fastest total time determines the winner.
- Team Relay :
 - In the following order of Women's Single, Men's Single, and Doubles, all three sleds of one team start one after the other. As soon as the starter reaches the touch pad, the next starter may start as the gate opens. The total sum of the times for the Team Relay is determined for the ranking.

ABOUT LUGE

- Luge events consist of women's singles and doubles, men's singles and doubles, and team relay. In all events, the athletes must navigate a curve of more than 1,000 metres of frozen ice. With average speed of 100 to 120 km per hour, the athletes feel a tremendous amount of gravity as they travel down the curve, up to almost G4-5 (four to five times the force of Earth's gravity). Each luge athlete starts one by one and are ranked by their time, which is measured to the 1,000th of a second. The sum of all runners is calculated and the fastest cumulative time determines the winner.

LUGE TRACKS

- Luge tracks refer to an ice stream that luge athletes runs down, which uses concrete or wood, as well as soil; as its foundation, and ice in winter. The surface temperature of the track's inside is maintained at -3°C in the shade.
- The track is 1,000 to 1,500 metres long, with an elevation difference of 110 to 130 metres, and an average gradient of 9 to 11%, and it is built on a northern slope with 13 to 16 curves. The track layout includes left and right curves, hairpin curves, S-curves, and labyrinths to give a variety. The curves are mainly U-shaped, and the walls are at least 50 cm high to prevent sleds from falling out.

RULES

EQUIPMENT RULES

- Luge Sled
 - The sled consists of a pod seat on which an athlete can lie down and the steel blades that are attached to Kufens(runners).
 - The pod is made of carbon, and the blade is made of steel, which stretches out to bend upward to form the Kufens.
 - Because the sleds have no brakes, steering may be supplemented by applying pressure to the kufens(runners), creating more friction between the blades and the icy track. Near the finish line, the gradient of the Outrun will help the sleds slow down safely.
 - The sled must be 1.2 meters long, 51cm wide, and 20cm high, and weigh 23kg for singles and 27 kg for doubles.
 - Due to the nature of the luge race, a safety helmet and visors are mandatory, and athletes whose race suit weighs more than 4kg will be disqualified.
 - As the sled's speed can reach up to 100-120 km/h during the race, the rules for sleds, which are safety equipment in case of a rollover, must be adhered to those for the safety of athletes.

COMPETITION RULES

- If two or more athletes record the same time, measured up to the 1/1,000th of a second at the finish, they are awarded the same place without a rerun.
- In the second run all athletes start in reverse order of the result from the first run.
- The start order of the 2nd heat is the reverse order of the result of 1st heat.

INTERNATIONAL FEDERATION

| | |
|-------------------------------|--|
| FIL: | Federation International Luge |
| President: | Einars Fogelis (LAT) |
| Vice Presidents: | Philipp Trattner (AUT), Claire Del Negro(USA), Armin Zoggeler(ITA), Thomas Schwab(GER), Sorin Buta(ROU), Jieun Park(KOR), Geoff Balme(NZL) |
| Secretary General: | Dwight Bell (USA) |
| GW2024 Contact Person: | Christoph Schweiger (AUT) |
| Event Delegate: | Hans-Juergen Koehne (Ger) |
| Address: | Nonntal 10, 83471 Berchtesgaden, Germany |

VENUE INFORMATION

| | |
|-------------------------------------|---|
| Gangwon 2024 Venue Name: | Alpensia Sliding Centre (ASL) |
| Seating Capacity: | 1,000 grandstand seats with standing room for 6,000 |
| Distance from YOV Gangneung: | 36 km (36 min by bus) |
| Address: | 470, Solbong-ro Daewallyeong-myeon, Pyeongchang-gun, Gangwon State, Republic of Korea |

The Alpensia Sliding Centre is a legacy venue that was used during the Olympic Winter Games PyeongChang 2018. Completed in 2017, it was used as the competition venue for sliding events during multiple Olympic test events in 2017 and PyeongChang 2018.

SPORT EQUIPMENT STORAGE

There will be temporary containers in an outdoor area near the Alpensia Sliding Centre Finish House. The containers will be utilized for the storage and maintenance of the Luge equipment.

ATHLETES' LOUNGE

The Athletes' Lounge will be located on the first basement floor of the Gangneung Oval. It will open daily according to the official training and competition schedules. All competitors can use the lounge for two hours before and one hour after both the official training and the competition. The detailed operation schedule will be re-announced once confirmed.

The following services will be available:

- Chairs, tables, Olympic sponsored soft drinks, bottled water, hot soup, fruits, cookies, and energy bars

I SECURITY

SECURITY MANAGEMENT AT COMPETITION VENUES

Certain part of some competition venues will be designated as restricted areas. Such restricted areas as well as their surrounding areas will be patrolled by security staff or relevant organizations. To enter the venue, visitors are requested to present their YOAC or valid admission tickets.

- Safety of the surrounding areas of the venues
 - Police mobile unit will be dispatched to patrol on regular basis and maintain the order.
 - Police stations and fire stations in the region will be ready for emergency dispatches at all times.
- Restricted and prohibited items
 - Please refer to the list of prohibited and restricted items in [the SEC chapter of the CdM Guide \(Annex 1\)](#).

SECURITY AT OTHER EVENTS AND VENUES

The security will be provided for all events and venues of Gangwon 2024.

- The maintenance of public, both inside and outside of the venue, will be monitored to ensure the safety of spectators during the Opening and Closing Ceremonies.
- Relevant organizations, such as the police and fire brigade will conduct regular patrols at the NOC Hotels. A direct communication channel will be established between the NOC Hotels and the Gangwon 2024 SEC Team.
- Fire facilities will be inspected in advance, and fire truck and ambulances will be stationed in the nearest possible location to promptly respond to any emergencies.

I MORE INFORMATION

For more information on the Gangwon 2024 Winter Youth Olympic Games, please refer to [the CdM Guide](#) and your contact at [Gangwon 2024 NOC Services](#).