

ONERA

THE FRENCH AEROSPACE LAB

Modane – Avrieux Centre (CMA)
Industrial and Research Wind Tunnels

Customer Booklet



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You will shortly visit us and we are pleased to put at your disposal this reception guide which we hope will give you all the practical information useful to organise to the best your trip.

1. HOW TO GET TO THE CMA

The ONERA centre of Modane-Avrieux (CMA) is situated in Savoie in the Maurienne Valley. The access to the CMA can be done by:

Train:

Take the train until the Modane station, then hire a car at AVIS at the station ticket office (please book in advance).

Plane:

You can arrive by Lyon airport (France), Geneva (Switzerland) or Torino (Italy) then hire a car (allow a minimum of 2 hours driving).

If you come from Torino and want to take the Fréjus tunnel, check that the access is open. The tunnel can be closed at night for works.

Road:

- Take the motorway A43 (from Chambéry) until Modane,
- Go through Modane then follow the road D1006 up to Villarodin,
- Turn right in the village,
- Drive downhill and follow the ONERA signs until the centre entrance.

You will find on page 19, the access map for the Modane – Avrieux centre as well as information for renting a car (page 17).

2. RECEPTION AT THE CMA

The access to the Modane Centre is controlled and every visit must be authorized in advance. Identity paper's visitors must be sent previously (48 hours minimum) to your contact at ONERA/CMA. If you are not from an EU country, please inform us at least one month before.

At the centre entrance, please present yourself to the guardroom to do the reception paperwork.

You will have to show your ID or your passport which will be exchanged with a badge « customer » or « visitor ». You will have to wear clearly this badge during your stay at CMA.

Then a guard will take you to your ONERA contact and your contact will come to get you and assist you on the site.

Your ID card – or your passport – will be returned to you at the guardroom when you leave the centre on the first day. At the end of your stay, you must return your badge at the guardroom.

3. GENERAL RULES

3.1. Circulation in the centre

You can circulate in the centre with your car. We ask you to respect the highway code, especially:

- The maximum speed limited at 40 km/h (24 miles/h),
- The use of the parking areas shown by : **P**

To help you to find your way, the Modane-Avrieux centre map will be given to you.

3.2. Hours

In case of co-working within ONERA, you will have to respect the timetable given by your ONERA Modane correspondent.

General opening hours:

- From Monday to Thursday : 8am – 4.30pm
- On Friday : 8am – 3.30pm

Maximal slots for the wind tunnels functioning (according to the tests):

- From Monday to Thursday : between 6am and 10.15pm
- On Friday : between 6am and 7.45pm

3.3. Smokers

It is strictly forbidden to smoke in all the centre's premises.

3. GENERAL RULES

3.4. Work, visits and deliveries

Work without the presence of ONERA staff:

Work without the presence of an ONERA staff is not allowed.

Material deliveries:

They take place during the centre's opening hours.

During the delivery, we must be aware of:

- The sender,
- The consignee,
- All information related to the delivery content.

A delivery which arrives outside the centre opening hours could be refused.

3. GENERAL RULES

3.5. Test zones

During your stay, you will have access only to the premises reserved for your activity. These premises will be given by your ONERA/CMA contact, as well as the lock codes for the various access doors.

You can only move outside the authorised areas with an ONERA contact.

3.6. Communication means

It is strictly forbidden to:

- Take photos or videos in all the centre premises,
- Phone or having a mobile turn on in the premises with a notice board indicating « no telephone » (mobiles are of course authorised in the rooms reserved for customers).

You must only:

- Use the fax machines at your disposal in the customers rooms,
- Use the computers lent by ONERA in the customers' rooms. They are linked to a special customer network in each wind tunnel. Your computers can be linked on customers' network but it is forbidden to connect any computer on the ONERA network.

Before your arrival, please inform your ONERA contact of your computer needs so they are ready at your arrival.

4. MEANS PUT AT DISPOSAL BY ONERA

4.1. Rooms reserved for customers

The following equipment is at your disposal:

- telephone,
- computers (customers belonging to ONERA departments can have access to their usual computer from the CMA ; please make a request beforehand),
- access to the customers' network, internet, mailbox,
- printers,
- fax machines.
- Attention please: the Internet access given by ONERA needs anti-virus or firewall. ONERA can't be responsible for any download from your computing equipments. It's strictly forbidden to connect the client network to other networks (particularly Internet) with equipments like smartphone or xG keys.

4.2. Kitchenette

In the wind tunnel S1 building, a kitchenette is at your disposal.

4.3. Staff canteen

You have access to the ONERA staff canteen in the centre.

A meal including starter, main course, cheese and desert will cost you around 12 €. Cash, cheque and credit card are accepted. Here are the canteen opening hours:

- from 11.15am to 1.00pm : everyday from Monday to Friday,
- from 6.45pm to 8.45pm : evenings, in case of irregular working hours and only if booked the day before prior 2.00pm.

5. PREVENTION AND PROTECTION MEASURES

The following general measures have to be taken into account.

Alert procedure in case of accident:

You just need to dial the French emergency number 18 from any internal telephone and to follow the instructions. You can also do the 04 79 20 21 06 from an external telephone or from your mobile.

In case of accident, you have to inform the medical staff of your company who will give the necessary regular information to the Insurance organisation (work accident declaration). Thank you also for taking ONERA informed with these actions.

Premises evacuation:

When you hear the alarm signal (siren, speaker, or on order), you must evacuate the premises and go to the nearest meeting point. Then follow the instructions which will be given.

The different meeting points are represented on the centre map. They are shown by this icon:



Fire security:

In case of fire, you can use, if you know, the extinguishers located in the concerned area, without taking risks.

Call straight away for help dialling 18 on an internal phone or the 04 79 20 21 06 from an external phone or from your mobile.

You will find on page 18 the general safety advises.

Use of tool machines:

To work on your mechanical pieces, you must make a request with the person in charge of the machine.

Use of lifting and handling machines:

To move on your mechanical pieces, you must make a request beforehand with the person in charge of the handling device and give authorisation certificates for driving travelling cranes (training for swing bridge – slinger) or elevating chariot (training fork lift truck operator).

5. PREVENTION AND PROTECTION MEASURES

The following measures are present to ensure your safety:

- Machine manipulation No manipulation on ONERA equipment is allowed.
You can only manipulate the models belonging to you, but with that authorisation of the installation manager. You must furnish the specific handling means if existing.
- Noise Hearing protection is supplied at the entrance of each building.
- Chemical products The FDS (security data files) of the products you supply must be transmitted previously to ONERA for authorisation.
- Handling The markings of the zones at risk must be respected.
- Shocks The angles and narrow profiles of models must be protected with foam (at your cost if you supply the model).
- Object falls Hard hats must be worn in certain zones (handling halls, underground, galleries). Please enquire at the concerned installation manager.
- Same level or high fall It's forbidden to keep opened a trap door, an absent guard, a very busy blocked circulation area zone. If any anomaly, please inform us.
- Locking To avoid being shut in, you must evacuate the concerned test vein at the alarm signal and go to the person in charge of the operation. You must also respect the instructions when the doors shut. If you stay locked in, push on the emergency stop buttons; your presence will be then signalled.
- Special tests Some safety studies must be done beforehand, jointly with ONERA, resulting on specific prevention and protection measures. The installation manager will ensure the good application of these measures.
(combustion of kerosene, laser use, pyrotechnic products implementation, ...)

6. ONERA TELEPHONE NUMBERS

CMA switchboard:

- from an internal telephone: 4 21 22
- from an external telephone: 04 79 20 21 06

Director of Modane Centre:

- Marième ALBERTINI:
 - from an internal telephone: 4 21 03
 - from an external telephone: 04 79 20 21 03
 - mobile phone number: 06 22 82 15 87

Director of DSMA department:

- Pascal CROZIER:
 - from an internal telephone: 4 20 77
 - from an external telephone: 04 79 20 20 77

GS Manager:

- Baptiste POUVESLE:
 - from an internal telephone: 4 20 20
 - from an external telephone: 04 79 20 20 20

GED Group Manager:

- Olivier GUILLERME:
 - from an internal telephone: 4 20 33
 - from an external telephone: 04 79 20 20 33

GT Manager:

- Christian CHARGY:
 - from an internal telephone: 4 21 35
 - from an external telephone: 04 79 20 21 35

Safety & Environment Manager:

- Nicolas ELOY:
 - from an internal telephone: 4 20 16
 - from an external telephone: 04 79 20 20 16

In case of accident:

- from an internal telephone: 18
- from an external telephone: 04 79 20 21 06

Medical services:

- Nurse room:
 - from an internal telephone: 20 19

7. PRACTICAL INFORMATION

7.1. Lodging

AUSSOIS:

Hôtel le Soleil ***:

- telephone: 04 79 20 32 42
- fax: 04 79 20 37 78
- web site: www.hotel-du-soleil.com
- E-Mail: hotel-du-soleil@wanadoo.fr
- booking: - on line on the web site
- dial 04 79 20 32 42

Hôtel les Mottets **:

- telephone: 04 79 20 30 86
- fax: 04 79 20 34 22
- web site: www.hotel-lesmottets.com
- E-Mail: info@hotel-lesmottets.com

Bed & Breakfast:
La Roche du Croué:

- telephone: 04 79 20 31 07
- web site: www.larocheducroue.com
- E-Mail: info@larocheducroue.com

AVRIEUX:

Bed & Breakfast:
La Grange:

- telephone: 04 79 20 37 09 / 06 80 82 30 81
- fax: 04 79 20 37 09
- web site: <http://www.la-norma.com/lagrang-avrieux/>
- E-Mail: avrieuxlagrange@orange.fr

BRAMANS:

Auberge les Glaciers:

- address: chef lieu 73500 Bramans
- telephone: 04 79 05 22 32
- fax: 04 79 05 23 16
- E-Mail: dupreglaciers@aol.com

7. PRACTICAL INFORMATION

7.1. Lodging

MODANE :

Hôtel le Perce neige **: - address: 14 rue Jean Jaurès
73500 Modane
- telephone: 04 79 05 00 50

Hôtel des Voyageurs **: - address: 16 place Sommeiller
73500 Modane
- telephone: 04 79 05 01 39

Hôtel du Commerce ***: - adress: 20 place Sommeiller
73500 Modane
- téléphone: 04.79.05.20.98

VILLARODIN :

Bed & Breakfast:

La Maison du Bois: Telephone: 04.79.05.97.31
Mobile: 06.98.61.09.70
Email: lamaisondubois@live.fr

Au Cœur des Alpes: Telephone: 04 79 20 49 32
Mobile: 06 77 77 53 46
Web site: www.chambres-dhotels-haute-maurienne.fr

7. PRACTICAL INFORMATION

7.2. Restaurants

AUSSOIS:

- L'Etagne (restaurant): 04 79 20 41 81
- Fort Marie-Christine (restaurant, bar): 04 79 20 36 44
- L'Avalanche (pancake, Italian restaurant): 04 79 20 33 83
- La Grignott' (fast food): 04 79 20 49 48
- La P'tite bouffe (pancake, Italian restaurant): 04 79 20 34 90
- Le Barillon (restaurant): 04 79 20 46 32
- L'Hôtel du Soleil (restaurant): 04 79 20 32 42
- Les Mottets (restaurant): 04 79 20 30 32 42
- Al Dente (italian restaurant): 04 79 05 13 81
- Le Delta (restaurant): 04 79 20 31 61

MODANE:

- L'Antalya (Turkish restaurant, bar): 04 79 05 09 36
- Il Pepuccio (Italian restaurant, bar): 04 79 05 23 46
- Le Petit Fourneau (restaurant): 04 79 05 33 17
- Le Caprice (restaurant): 09 52 02 46 14
- L'Echappée (restaurant): 04 79 05 20 54
- Pulcinella (Italian restaurant): 04 79 05 12 62

7. PRACTICAL INFORMATION

7.2. Restaurants

VILLARODIN :

- La Chaumière (restaurant) : 04 79 20 30 26

LA NORMA :

- L'Eterlou (restaurant) : 04 79 20 35 46
- Le Télémark (pancake) : 04 79 20 32 72
- Le Savoy (restaurant) : 04 79 20 35 66
- Le Dahu (restaurant) : 04 79 05 18 12

7. PRACTICAL INFORMATION

7.3. Tourist internet addresses

Here are few internet addresses which will allow to you to discover the Maurienne high valley:

- <http://www.cg73.fr>
- <http://www.hautemaurienne.com>
- <http://www.maurienne-tourisme.com>
- <http://www.aussois.com>
- <http://www.avrieux.com>
- <http://www.bramans-tourisme.com>
- <http://www.la-norma.com>
- <http://www.modane-valfréjus.com>
- <http://www.canton-de-modane.com>
- <http://www.orelle.fr/infos-pratiques.htm>

You can also find in Modane - Fourneaux' shops a newspaper called « Terra Modana ». A number of articles concerning the canton are published as well as the cinema programme « l'Embellie » at Fourneaux.

7. PRACTICAL INFORMATION

7.4. Car rental

Lyon Saint Exupéry Airport

To rent a car at Saint Exupéry Airport, go on web site <<http://www.lyon.aeroport.fr/>>

Modane railway station

Book at St Jean de Maurienne's AVIS agency (tel: 04 72 22 75 25).
The car keys have to be withdrawn at the Modane railway station counter.

During the winter period (from 1st November to the 15th April), we recommend you to rent a car with snow equipment.

Taxis are also at your disposal in front of the station.

***If despite the given information you encounter some problems to
organise your trip, please contact us on: 04 79 20 20 25***

General safety instructions



In case of emergency: **dial 18** (or an internal post) or dial 04.79.20.21.06 (from a mobile)

employees

INCENDIE

- Indicate the nature and the importance of the event, the place and the telephone number where you can be contacted.
- Use the appropriate extinguishers without waiting for the emergency aid to come.
- Prepare the arrival of the aid emergency services by clearing the access to the blaze.
- Cut the power with the aid of the emergency device.
- Call the employee of the area to avoid panic.

ACCIDENT

- Indicate the nature and the importance of the event, the place and the telephone number where you can be contacted.
- Call the first-aid workers of the area.
- If the injured person is unconscious or if he is suffering from neck or back pain, do not move him, cover him, **DO NOT MAKE HIM DRINK ANYTHING.**
- BURNS :
 - With fire, do not undress the person, put out and put him under a shower.
 - With chemical products, undress the person while washing under a shower.

EVACUATION

At the warning signal (sirene, speaker or on order)

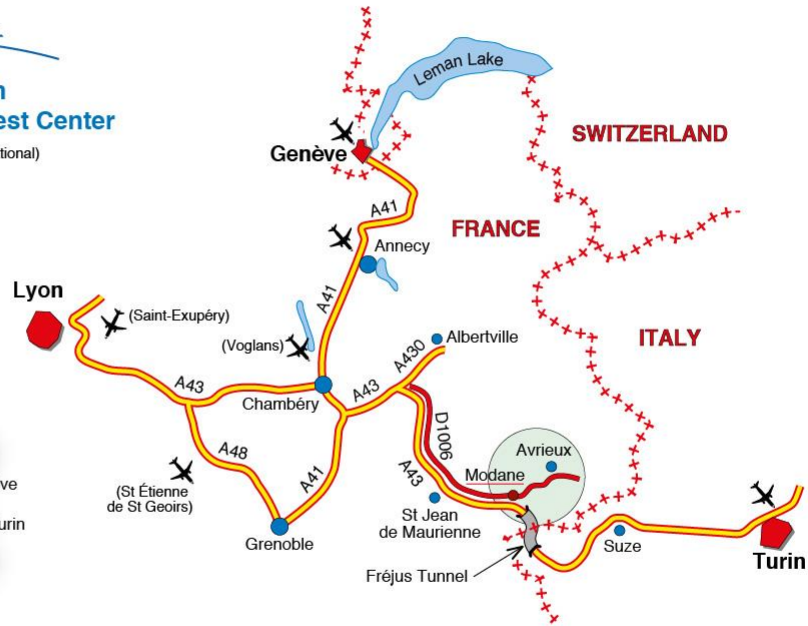
- Close the windows of your work place.
- Leave your room and shut the door.
- Walk towards the exit of the building by following the indications of the employees in charge of the evacuation.
- Joint the meeting point.
- Do not use the lifts and the goods lifts.
- Do not go back on your work place without having been asked for.

PARTICULAR ADVICES: open carefully the fire doors and close them behind you. If necessary, crouch down to reach the fresh air near the around.

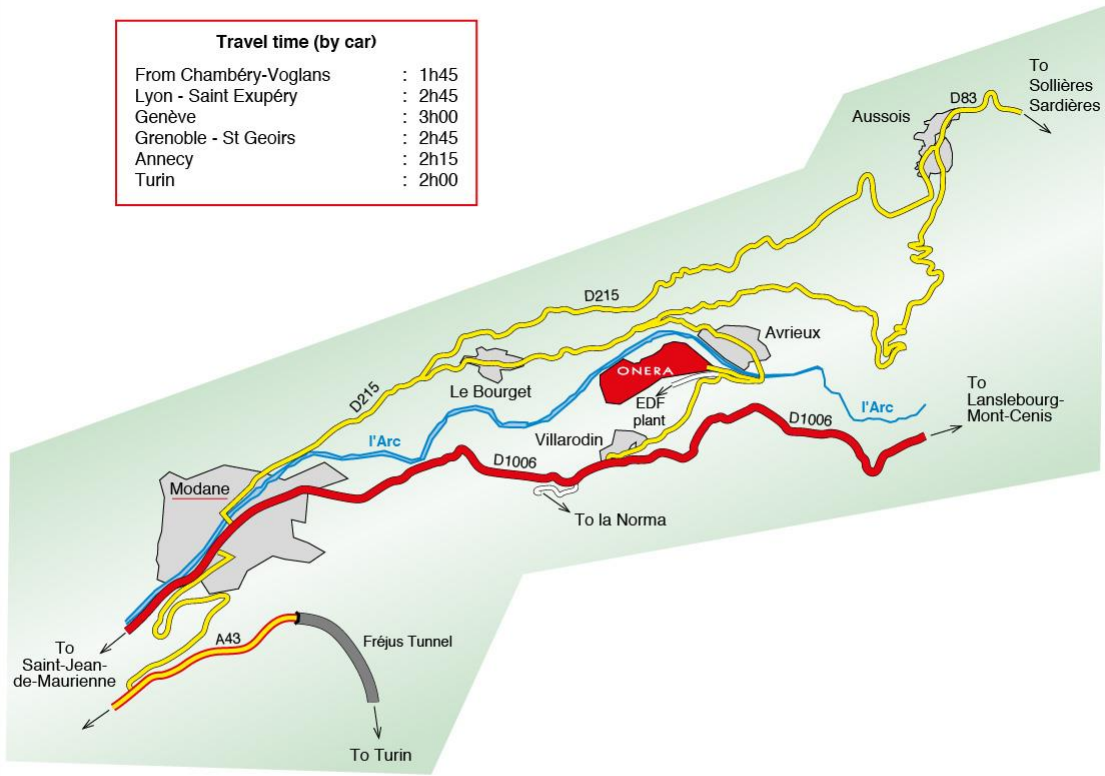
ONERA

How to reach the ONERA Modane test Center

MICHELIN maps N° 989 (national) or N° 89 (regional)



Travel time (by car)	
From Chambéry-Voglans	: 1h45
Lyon - Saint Exupéry	: 2h45
Genève	: 3h00
Grenoble - St Geoirs	: 2h45
Annecy	: 2h15
Turin	: 2h00



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 Tel : 04 79 20 21 22 - Fax : 04 79 20 21 68

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