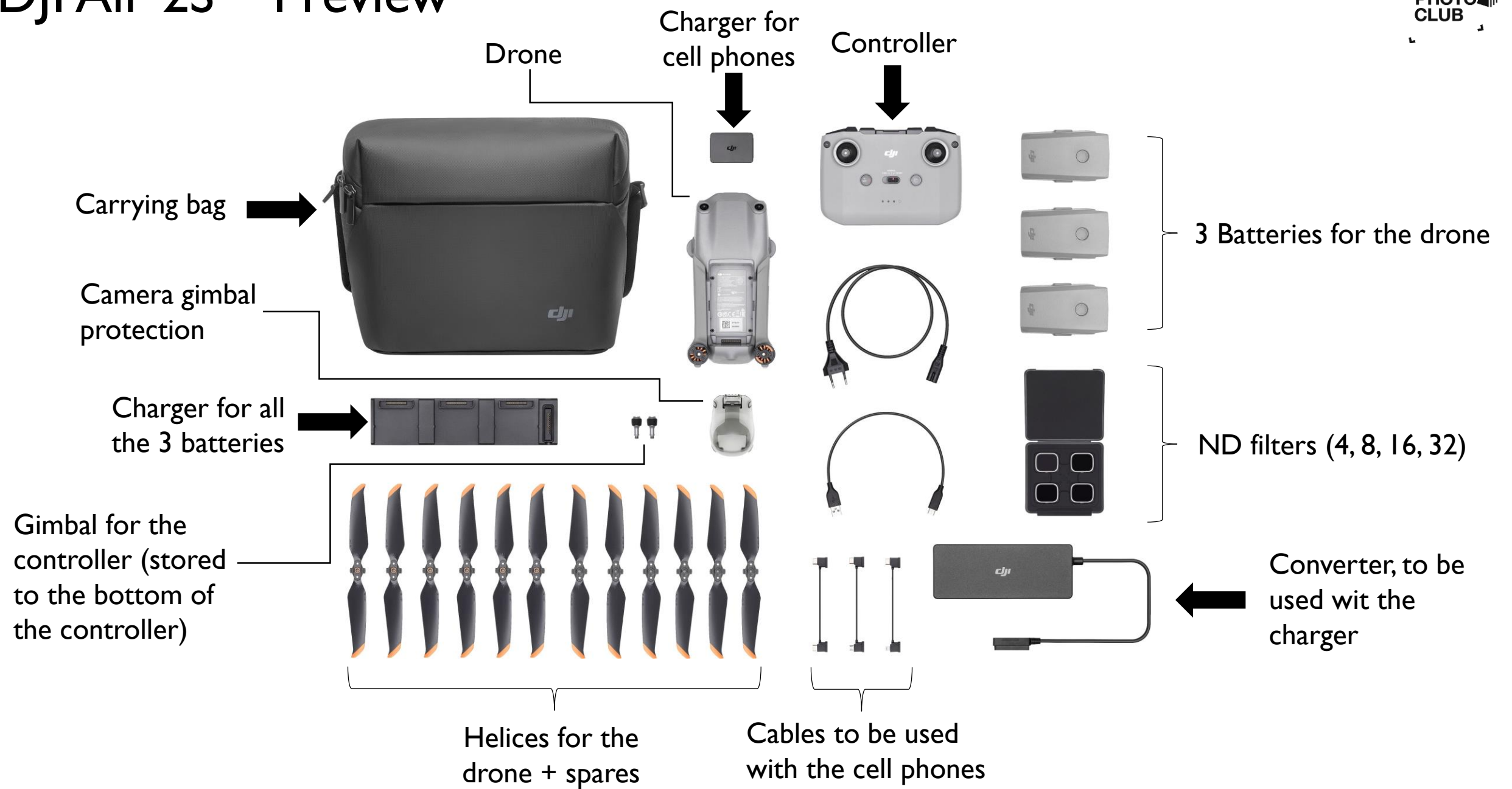


**Konstantinos IAKOVIDIS**

**CERN Photo Club**

**Topic: How to use the DJI Drone and  
rules you must follow**

# DJI Air 2S – Preview



# DJI Air 2S – Preview

The drone folded



Camera → 5.2k resolution

The drone unfolded

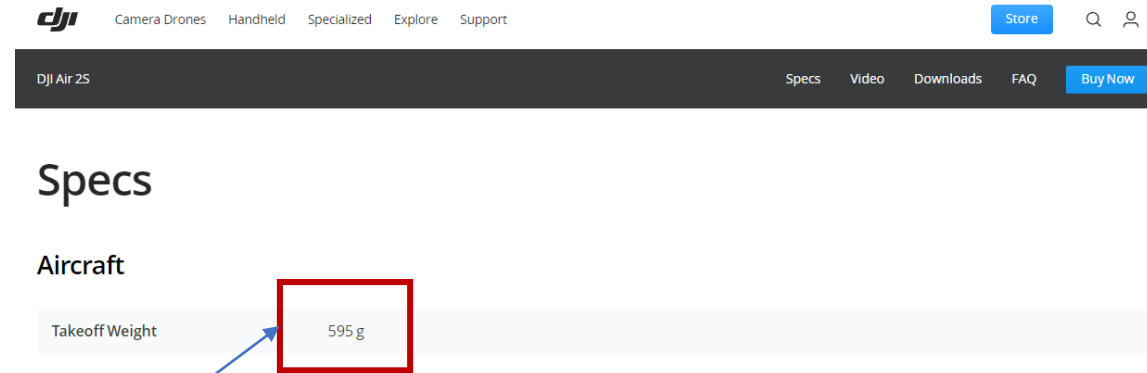


Camera protection  
**Remove before you  
switch on the drone!**



# DJI Air 2S – Specs

Specs can be found [here](#)



But the very important in our case is this...

...and tis is important because of the law and regulations...

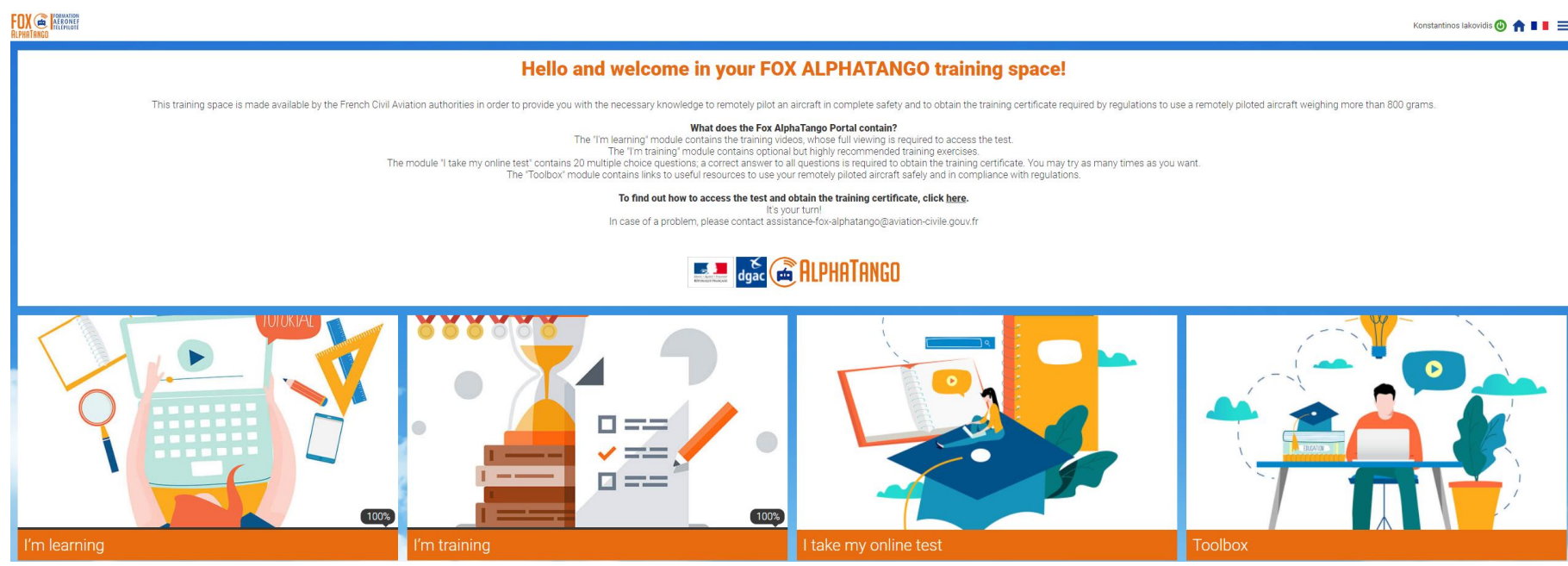
# Drone law and legislation

The legislation oblige all the people who want to fly an unmanned aircraft weights more than 250gr, to obtain an online license in order to be able to fly.

There are several ways to obtain a license in France! The easiest way is through AlphaTango website. You can find details → [here](#)

For information regarding Switzerland find the details → [here](#)

When you subscribe successfully you must go through the training and to successfully answer all the questions! Feel free to navigate through the sections and to read everything!

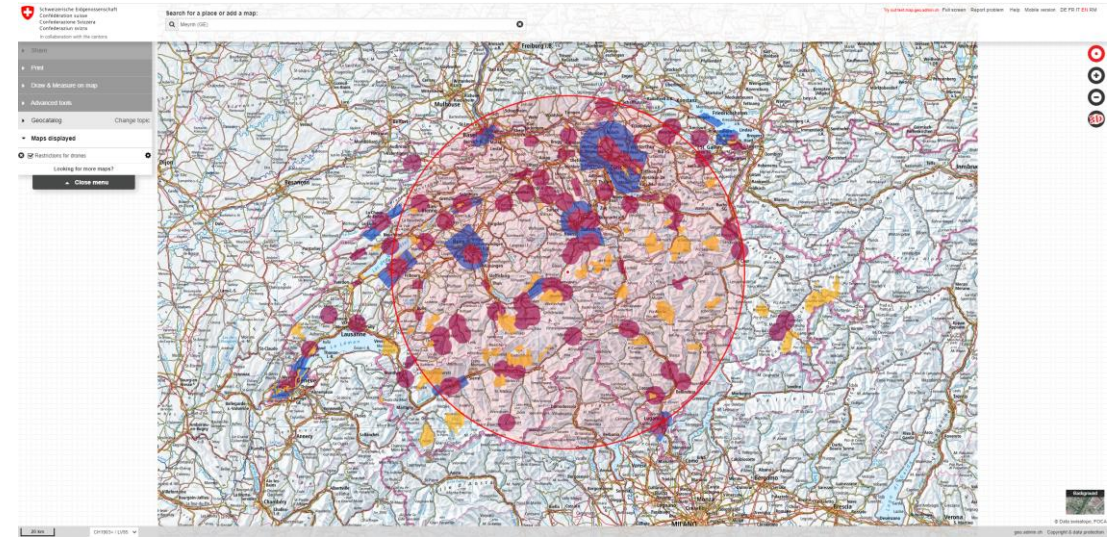
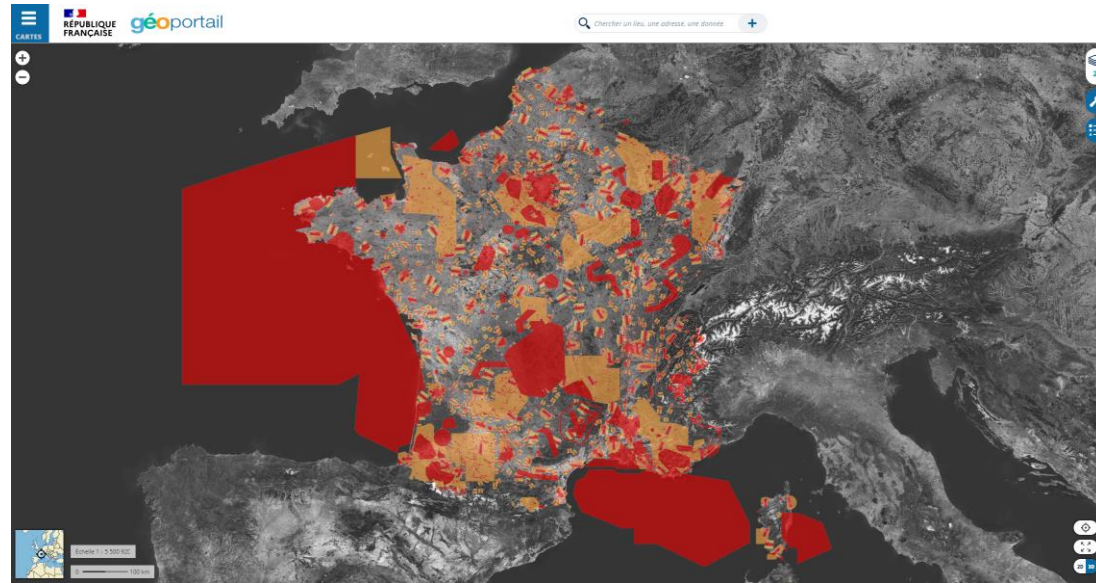


# Drone law and legislation

Very helpful and useful tools are the maps which are available showing where you can fly and in which height.

For France → [Here is the map](#)

For Swiss → [Here is the map](#)



There are maps available for each country! Check before you fly!

**Check ALWAYS what the restrictions are before you fly!  
It might cause you big troubles with the authorities!**

Other useful links → <https://www.finesseplus.org/flying-your-models-in-france-what-you-must-know/>

# Drone maps demo

For France → [Here is the map](#)

For Swiss → [Here is the map](#)

For Greece → [Here is the map](#)

# Drone law and legislation – Summary

Legislation in France and Switzerland – What you must know		
	France	Swiss
Is a license mandatory?	<b>Yes</b> (from 250gr)	<b>No</b> (up to 30kg)
Is the drone registration mandatory?	<b>Yes</b> , through AlphaTango	<b>No</b> (up to now)
Do I need insurance?	<b>YES!</b> It is mandatory all the unmanned aircrafts to be insured under official organizations	<b>YES!</b> For a drone weighing 500g or more, in Switzerland you must have liability insurance with cover of at least 1 million CHF
Where can I fly?	Away from people!	Away from people!
Can I fly FPV (first man view)?	<b>YES!</b> When there is a second person with you looking the aircraft	<b>YES!</b> When there is a second person with you looking the aircraft
Where can I complain?	No organization up to now! Only to the police!	No organization up to now! Only to the police!



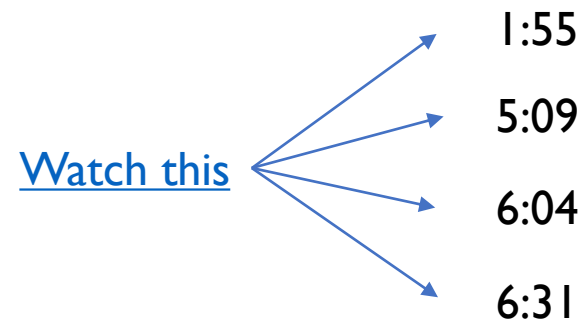
## ➤ Before your go to the field!

- RTFMBYF!!!! Very important!
- Practice, practice, practice!!! Flight simulators are available in the market!
- Checks the control of the unmanned aircraft. For drones, check the direction of the helices.
- Check if the place you want to fly is allowed for this activity.
- Create a plan of your videos and photos. Think the perspectives before you take off. Last minute corrections is okay.
- Charge your batteries! Having the batteries FULLY charged will make your flight pleasant and will last more. Also, you don't destroy the batteries.
- Charge your remote-control battery! (safety issues)
- Check the unmanned aircraft for potential marks or any damage. If you find any DON'T FLY.

## ➤ In the field

- Check the weather!!! Don't fly under rain, fog, lightning, snow or strong winds! Cold weather has an impact on your battery's performance!!! 37 km/h MAX
- Check the battery level always while you fly!
- Plan your flight in advance. This will save your time and your batteries. It is useless to take off and trying to find what you want to capture or what video you want to record.
- Calibration of the drone! Compass calibration, Return To Home altitude.
- GPS and satellites checks! Don't flight when you don't have enough connected satellites. More than 4 bars is suggested by the manufacturer.
- Take things slowly. Stay in a safe place without disturbing anyone.
- Hover for at least 30 seconds.
- Make sure the RTH function is working. After flying more than 10m away, press the RTH button. Your drone should start coming back. If not land immediately and set it up from the beginning.
- Don't fly towards the sun. It is **impossible** to see the aircraft. In case of a drone, it is possible when you look through the screen.
- Avoid obstacles and animals!
- Don't fly above people!
- Have always eye contact with the drone! If you were FPV glasses have someone always with you!
- Don't fly aggressively! Push the controls gently and get a feeling of the aircraft movements.

**Be always careful!**



**The end!**

**Questions?**