

# Aerial Robotics Working Group

November 8th 2023 Scientific/presentation meeting

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# The Agenda

- Announcements
- Presentation by Ramon about Pixhawk
- Topic for next meeting
- Conclusion

#### **Announcements**

- 3D planning is making a headstart! Lot of chatter in #cwg-aerial on discord.
- PX4 summit talks are now online on youtube: <a href="https://www.youtube.com/@PX4Autopilot">https://www.youtube.com/@PX4Autopilot</a>
- UAV Simulation review paper:
  - 'Survey of Simulators for Aerial Robots' Dimmig et al. (2023)
  - Submitted to RA-L but available already on Arxiv <a href="https://arxiv.org/abs/2311.02296">https://arxiv.org/abs/2311.02296</a>

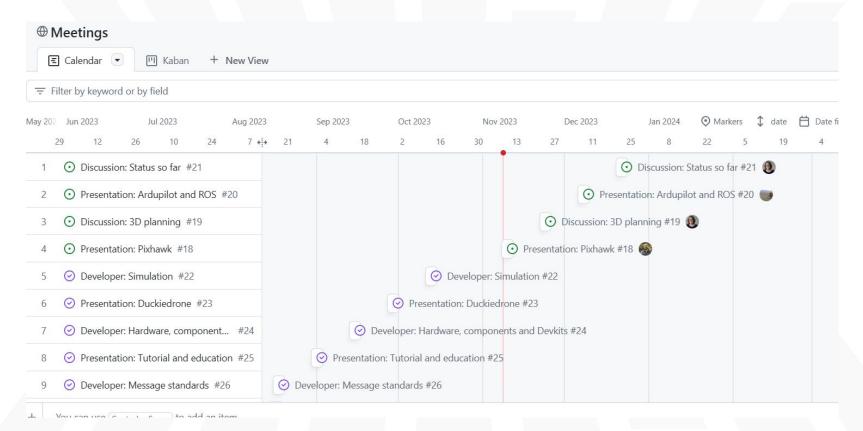
Presentation by Ramon!



### **Topics next meeting**

- Autonomy stacks for UAVs (Done)
- Non-Autonomy Packages for UAVs -> renamed to aerial suite
- Aerial robotics simulation (Done)
- Message standards for UAV (Done)
- Communication for swarms of UAVs (done)
- Safety and management systems
- Tutorials and education (done)
- Legality and airspace access
- Hardware, Components, and Dev Kits (done)
- Aerial Vehicle Types
- Planning in 3D
- Any more...?

## Upcoming meeting in github projects (??)



#### **Next meeting**

Developer/Discussion meeting about 3D planning

- Wednesday 22th of November at 3 pm UTC (!!)
  - Not changed on google calendar yet...
  - Let's not have the time bug bite us again!

Github organization for this working group: <a href="https://github.com/ROS-Aerial">https://github.com/ROS-Aerial</a>

- Aerial robotics landscape: Add a info page if you like
- Community: Add yourself as member

Wanna do a presentation? Email to <u>kimberly@bitcraze.io</u> & <u>rroche@linuxfoundation.com</u>