



# Space for Olympic Games ESA Webinar

Swiss Timing Use Cases


# Wireless Connectivity

- ❖ Remote areas are of particular interest
- ❖ Supported by 5G, satellite communication or other
- ❖ Fast deployment, low-cost and low-latency (in the range of 100ms)
- ❖ Infrastructure can be owned by the organizing committee and/or the host broadcaster, or it could be a public network with prioritization for Swiss Timing to guarantee an adequate level of service (SLA) during competitions with crowds.
- ❖ Synchronized with timekeeping system

# Universal Tracker

- ❖ Miniaturized wearable used as an active transponder and positioning tracker
- ❖ Interest for alpine skiing, cross country skiing, cycling road and rowing
- ❖ Positioning precision in the 1m range, desired value within 10cm
- ❖ Low-power and low-latency (within 10ms) for real time applications
- ❖ Communication range of min 1 km
- ❖ Adaptable and configurable communication module in order to comply with frequency regulation world-wide
- ❖ Flexible form factor to follow International Federations safety constraints
- ❖ Synchronized with timekeeping system

# 3D Venue and Course Animation

 Tools and assets for the generation of updated 3D maps and animations to present competition venues and courses, providing an overview to the fans.



Source: [https://youtu.be/VKOpD3A\\_GPY?t=180](https://youtu.be/VKOpD3A_GPY?t=180)



# Questions?

**Thank you  
for your attention!**

