Francis Pierron: FTLRS use of the ADS/B Receiver for a Virtual Radar System to provide Radar like visualization to protect aircraft.

Dan O’Gara: Haleakala Observatory use of the Laser Traffic Control System (LTCS) analyzing system pointing information for operations deconfliction to be a good neighbor with other telescope users.

Martin Ploner: Zimmerwald use of the Skyguide and FLARM taking advantage of a government ATC system to protect civil and military aircraft and the transponder FLARM to protect gliders aircraft.
In-Sky Laser Safety

**Johann Eckl:** WLRS currently using a radar system but developing/moving to the ABSD GNSS based surveillance system and a transponder for aircraft protection.

**Kalvis Salminsh:** Riga use of the web based [flightradar24](https://flightradar24.com) combined with online mapping tools and airport information to analyze air traffic patterns.

**In Summary**

- Hazards include physical damage as well as disruption of flight operations
- Perform air traffic analysis for all types of aircraft
- Protection system needs to address all aircraft within the reach of the laser
- ILRS should consider setting guidelines/goals for aircraft safety