

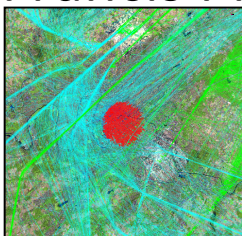


In-Sky Laser Safety

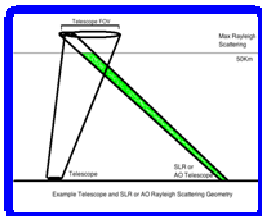
Donovan, Appleby, Pierron



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.

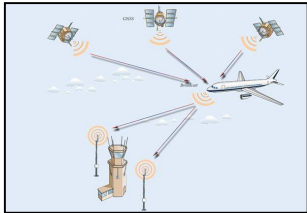
Martin Ploner:



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:



WLRN currently using a radar system but developing/moving to the ABSD GNSS based surveillance system and a transponder for aircraft protection.

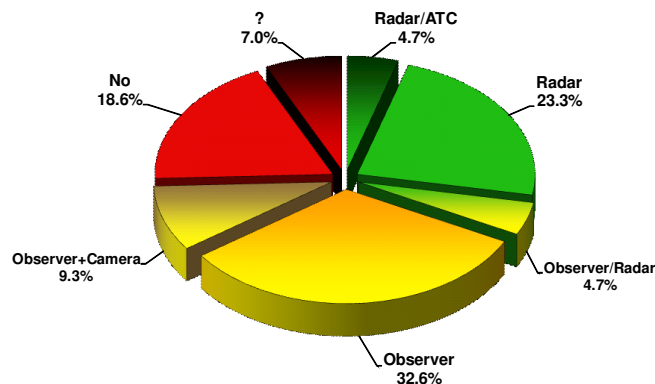
Kalvis Salminsh:



Riga use of the web based **flightradar24** combined with online mapping tools and airport information to analyze air traffic patterns.

In Summary

Aircraft Detection Method



- *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 with in the reach of the laser*
- *ILRS should consider setting guidelines/goals for aircraft safety*

19/05/2011

LW 17, Kottzing

2