Symposium DSAC

L’Information Aéronautique
Example of on board applications

**ROPS Runway Overrun Prevention System**

A technology designed to monitor continuously total energy and aircraft landing performance vs. runway end, from short final up to aircraft stop.

Need for accurate runway data
AIP content and actual measurement - LFBO Toulouse

Satellite imagery better than 1m absolute accuracy

- **RW14L : TORA/LDA = Difference of 24m**
  - TORA/LDA AIP (3000 m) is *shorter* than the reality (3024 m)

- **RW32R : TORA/LDA = Error of 24m**
  - TORA/LDA AIP (3000 m) is *shorter* than the reality (3024 m)

Safe: the deviation of the AIP is conservative with respect to intended operational use.
Short term information update

Landing shift
Short term information update – Extract FCOM

Landing shift

LANDING RUNWAY SHIFT

When the flight crew clicks on the LDG SHIFT button, the following landing runway shift panel appears.

The flight crew can shift the runway threshold and / or the runway end.

The flight crew can shift the threshold and / or end of only one runway of the database.

When the flight crew validates the runway shift with the return button, the map data panel displays the runway shift
From SRTM to World DEM

Technology contribution for better terrain and obstacle data