

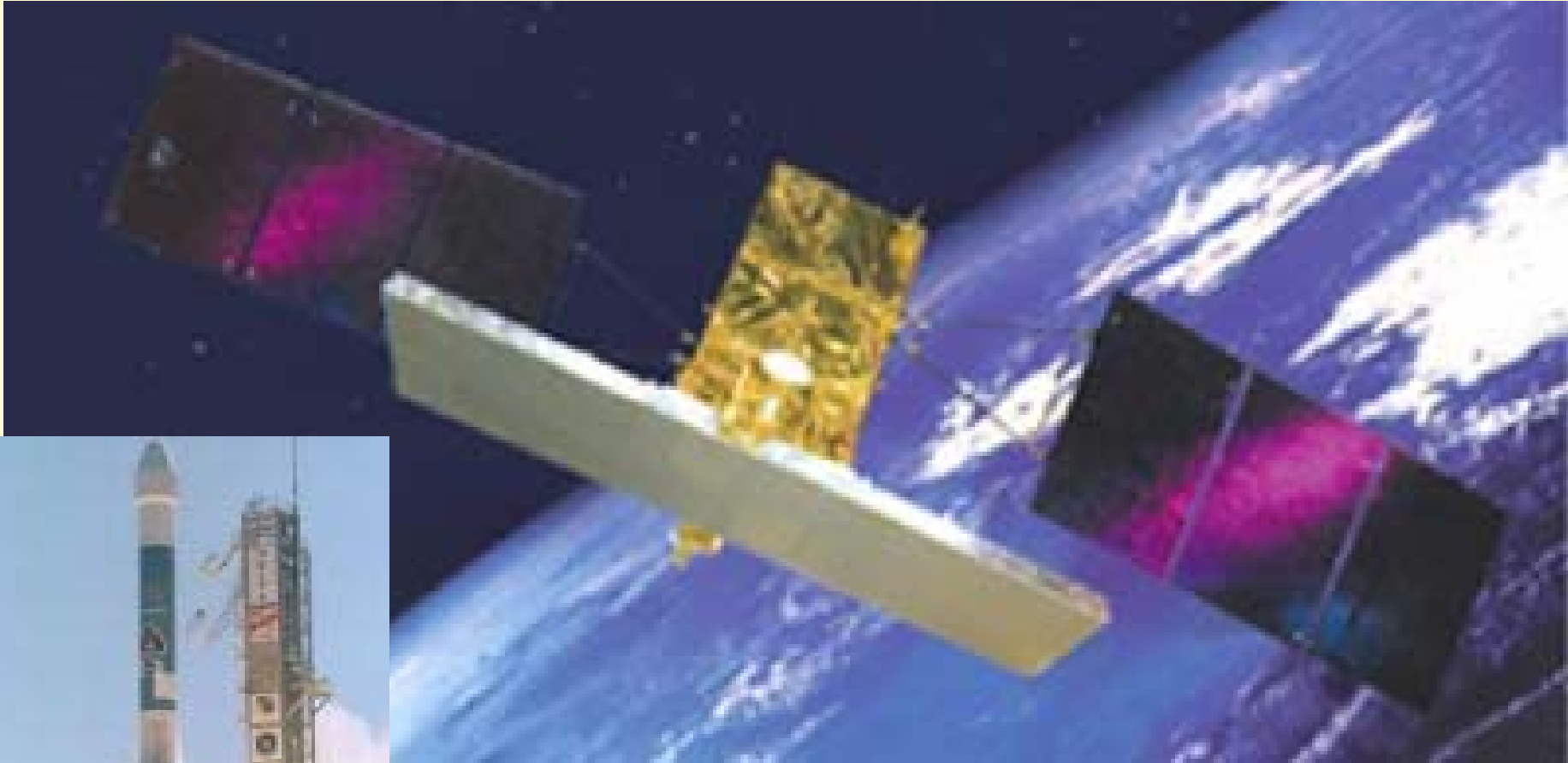
# ASI Report on Debris Mitigation at the 25<sup>th</sup> IADC

- Two Italian satellites were launched in orbit since the last IADC (April 2006):
  - AGILE (360 kg), using an Indian PSLV C-8 launcher from Sriharikota, into an equatorial orbit (h = 523 x 553 km, inc = 2.47 deg)
  - COSMO-Skymed 1 (1700 kg), using a Delta-II launcher from Vandenberg, into a sun-synchronous frozen orbit (h = 622 x 626 km, inc = 97.86 deg)
- No Italian satellite or upper stage decayed from orbit in the meantime

# ASI Report on Debris Mitigation AGILE Launch



# ASI Report on Debris Mitigation COSMO-Skymed 1 Launch



# ASI Report on Debris Mitigation at the 25<sup>th</sup> IADC

- At present, 13 Italian satellites (4 in GEO, 1 in MEO, 8 in LEO) and 2 spent upper stages (1 in LEO/MEO, 1 in MEO) are in orbit
- No imminent reentry is foreseen
- Next launches:
  - COSMO-Skymed-2 (1700 kg), using a Delta-II launcher from Vandenberg (CA), into a sun-synchronous, circular, 620 km orbit
  - SICRAL-1B (2596 kg), in geostationary orbit (Ariane 5, Delta IV or Proton)