ASI

COSMO-SkyMed & SAOCOM-Europe

Ake Rosenqvist summary of information provided by Luigi Dini, ASI
COSMO-SkyMed (1\textsuperscript{st} & 2\textsuperscript{nd} Generation)

- X-band wavelength, capacity for full polarimetry (QP)

- NOTE: Cosmo Data Policy is not open. Only research groups that apply to an open call will be granted with CSK products and will be able to access them.

SAOCOM-1A/B over Europe Exclusivity Zone

• L-band wavelength, capacity for full polarimetry (QP)

• Acquisitions only over the ASI Area of Exclusivity (Europe):

• Current observation strategy is very straightforward:
  • acquiring in interferometric mode in stripmap dual pol, VH-VV, both in asc. & desc. with 2 beams (s3 and s4), every 16 days.
  • SAOCOM duty cycle limits → South and central Europe covered, Scandinavia excluded

• Exceptions:
  • Turkey: HH-HV (instead of VH-VV) with 3 beams (s3, s4, s5), every 24 days
  • South of Italy (below Rome latitude): 3 beams (s3, s4, s5) every 24 days

• SAOCOM data access over the ASI Area of Exclusivity: not openly accessible but through research proposals to ASI. For details: https://www.asi.it/en/earth-science/saocom/