## Cosmo main questions from and for WGs (1/5

- Orbital strategy (WGs Geophysic, risks, cartography, .
  - Is there a different phasing than the nominal one at 16 days (for calibration in the beginning of life)
  - what will be the relative positioning of the satellites
  - are they different missions or relative positioning planned
  - what about tandem modes or other "close" modes (minimum distance?)
  - what is the ground track specification or orbit tube
- Acquisition strategy (all WGs)
  - when there is some spare room for programming, is there a civil "background mission" in a dedicated mode?
- Pointing and positioning: (WGs Geophysic, cartography, ...)
  - what are the main precision caracteristics (satellite / product)
    Specs/expected performances
  - Are the satellites Yaw steered (Specs/expected variation on Az Doppler ?)
  - is there an help on line to chose interferometric pairs (orbit availability ? precisions/time of deliveries ?)
- On board acquisition reactivity time constants (all WGs)
  - between different modes
  - between Right / Left acquisition
  - between spotlight modes

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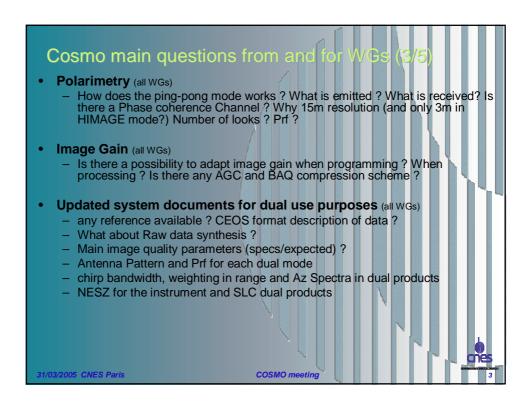
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## Cosmo main questions from and for WGs (2/5)

- Routine / Emergency programming (all WGs)
  - civil users programming constraints
- Data availability (all WGs)
  - when the first modes will be calibrated (nb of months after launch)
  - which ones will be available first?
- Ordering (all WGs)
  - How can we chose acquisition in the archive or program it?
    Any software available, like ESA DESCW, Radarsat SwathPlanner?
- SCANSAR: (WGs Geophysic, risks)
  - can the bursts be synchronised?
  - Number of sub-swaths
- SPOT LIGHT: (all WGs)
  - is the meter resolution available for each incidence angle or is it an average value (at which angle then) or a slant range value?
  - Is it a metric SLC image or is there 1m multi look product
- STRIPMAP/SPOTLIGHT (all WGs)
  - how many different incidence angle are available?

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	SpotLight 2	StripMap	Polarim.	ScanSAR Wide	ScanSAR Huge	
Incidence	de 20° à 59,5°					
Swath	10 km	40 km	40 km	100 km	200 km	
Résolution	1 m	3 m	15 m	30 m	100 m	
Looks	1	3	?	? sub swaths nb?	? sub swaths nb?	
Nes0 instr.			de -24 à -22	8 8 8	sub swaths nb?	
Nes0 image		-19 dB (at what incidence Angle?)				
Préc. Radiom		1 dB				
Dynamique		< 6	5 dB (point t	arget ?)		
Ambiguités	????			????		
Azimut	-2218 dB		-2	220 dB		
Distance	-2220 dB					
ISLR			< -12 dB	?		
PSLR		18	< -22 dB	?		
Polarisation	HH ou VV	1	HH et/	ou VV, HV, VH	1	
Cross-Polar.			-25 dB ?			
Erreur de Localisation			4 m (instrun	nent)		

