

Access to WorldView-1/-2/-3, GeoEye-1, QuickBird as ESA's Third Party Mission

Terms of Applicability

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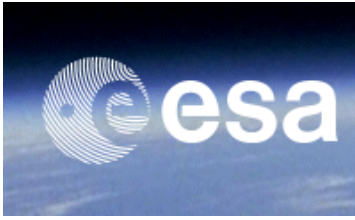
1 General

Within the Third Party Mission scheme, ESA provides to Earth Observation users data from non-ESA missions, so-called Third Party Missions, to complement the data from ESA EO missions and to support and build up the scientific user community for those data in Europe.

Since 2016, the Digital Globe Standard Satellite Imagery products from the sensors QuickBird, WorldView-1/-2/-3, and GeoEye-1 are part of the Third Party Missions Program.

Within the ESA CAT-1 TPM Scheme, ESA offers to the CAT-1 user community the following service provided by European Space Imaging (EUSI):

- Delivery to Category-1 Users worldwide on-demand QuickBird, WorldView-1/-2/-3, and GeoEye-1 products (archiving and/or new tasking products) for category-1 use
- Standard tasking option: new acquisition order finalized 3 days before sensing time
- Standard delivery option: product delivery within 1-3 working days after ordering/sensing time



2 Data Accessibility Conditions

The data available as part of the ESA TPM are the following:

Mission	Band Combination	Processing
WorldView-1/-2/-3, GeoEye, QuickBird	High Res Optical: Panchromatic / 4-Bands	STANDARD (2A) / ORTHO READY STANDARD (OR2A)
		ORTHO READY STEREO
		MAP SCALE ORTHO 1:12.000 Orthorectified
		MAP SCALE ORTHO 1:50.000 Orthorectified (only from Quickbird)
	High Res Optical: 8-Bands	STANDARD (2A) / ORTHO READY STANDARD (OR2A)
		ORTHO READY STANDARD STEREO
		MAP SCALE ORTHO 1:12.000 Orthorectified
	High Res Optical: SWIR	STANDARD (2A) / ORTHO READY STANDARD (OR2A)
		MAP SCALE ORTHO 1:12.000 Orthorectified

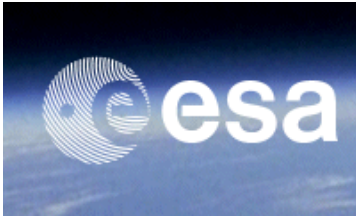
- 4-Bands being an optional from:
 - 4-Bands Multispectral
 - 4-Bands Pan-Sharpened
 - 4-Bands Bundle
 - Natural Color/Colored Infrared (3-Band pan-sharpened)
- 8-Bands being an optional from:
 - 8-Band Multispectral
 - 8-Band Bundle

For tasking, the cloud coverage constraint cannot be less than 15% and the off-nadir constraint cannot be less than 15°. Tasking order form shall be finalized at least 48h (business hours) before sensing time

Images are considered “archive data” only if the data is in the archive for more than 90 days after the acquisitions date (standard archive data). Data in the archive for less than 90 days after the acquisitions are considered as tasking products (fresh archive).

The minimum area of each single polygon composing the order is 25km². The minimum order sizes (sum of all areas composing the order) are:

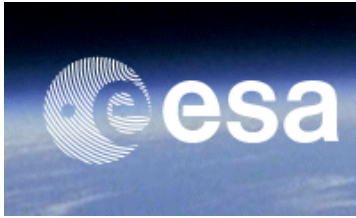
	NEW TASKING / FRESH archive (< 90 days)	STANDARD ARCHIVE (>= 90 days)
Data Processing Level	Minimum order size	Minimum order size
STANDARD (2A) / ORTHO READY STANDARD (OR2A)	100 km ²	25 km ²
ORTHO READY STEREO	100 km ²	100 km ²
MAP SCALE ORTHO 1:12.000 Orthorectified	100 km ²	100 km ²
MAP SCALE ORTHO 1:50.000 Orthorectified	N/A	100 km ²



The full archive is accessible at <http://www.euspaceimaging.com/imagery-search>

3 Data users

- Access to data can be provided by ESA to worldwide users, but European Space Imaging can introduce further limitation or even rejection of the order (In this case European Space Imaging will interact with users to find the best possible solution), based on applicable security regulations or feasibility study of the acquisition.
- No geographic restrictions on Area of Interests (AOI) unless ESA defines otherwise. But European Space Imaging can introduce further limitation or even rejection of the order (In this case European Space Imaging will interact with users to find the best possible solution)



4 Assignment and usage of quota

Assignment of quota

During the project submission, the user shall specify his need as a number of km² for tasking and/or archive between the available products. The user requests the Mission/Band Combination/Processing of interest and specifies the details:

Mission	Instrument	dataset	details
WorldView/GeoEye/ QuickBird	High Res Optical: Panchromatic/4-Bands/8-Bands	MAP SCALE ORTHO 1:50.000 Orthorectified (res 0.60m)	<ul style="list-style-type: none"> Produced from Quickbird ONLY ONLY available as standard archive ONLY available in Panchromatic and 4-Bands user specifies the number of km2 of "standard archive"
		STANDARD (2A) / ORTHO READY STANDARD (OR2A)	<ul style="list-style-type: none"> User specifies the band combination requested (Pan, 4-Bands, 8-Bands) User specifies the resolution requested (30, 40, 50/60cm) user specifies the AOI number of km2 per country(ies) user specifies the number of "tasking or fresh archive" km2 user specifies the number of "standard archive" km2
		ORTHO READY STEREO	<ul style="list-style-type: none"> User specifies the band combination requested (Pan, 4-Bands, 8-Bands) User specifies the resolution requested (30, 40, 50/60cm) user specifies the AOI number of km2 per country(ies) user specifies the number of "tasking or fresh archive" km2 user specifies the number of "standard archive" km2
		MAP SCALE ORTHO 1:12.000 Orthorectified	<ul style="list-style-type: none"> User specifies the band combination requested (Pan, 4-Bands, 8-Bands) User specifies the resolution requested (30, 40, 50/60cm) user specifies the AOI number of km2 per country(ies) user specifies the number of "tasking or fresh archive" km2 user specifies the number of "standard archive" km2
	High Res Optical: SWIR	STANDARD (2A) / ORTHO READY STANDARD (OR2A, res 7.5m)	<ul style="list-style-type: none"> user specifies the AOI number of km2 per country(ies) user specifies the number of "tasking or fresh archive" km2 user specifies the number of "standard archive" km2
		MAP SCALE ORTHO 1:12.000 Orthorectified	<ul style="list-style-type: none"> user specifies the AOI number of km2 per country(ies) user specifies the number of "tasking or fresh archive" km2 user specifies the number of "standard archive" km2

ESA, then, evaluates the scientific content of a submitted project proposal against the data requirements of the PI and a respective quota will be assigned to the project. ESA tries to support as many high-quality and innovative projects as possible within the quota limit available, therefore only a limited amount of products can be made available to each project.

The assigned quota is valid for one year after reception of the Final acceptance mail. This validity period can be superseded if clearly specified to the user.

Usage of quota

The PI (and Co-PIs if any) is allowed to order the products from European Space Imaging within the limit of the quota assigned by ESA.

The ordering is done directly through European Space Imaging by following the procedure received by EOHelp@esa.int after final acceptance of the project.

The PI (and Co-PIs if any) is not strictly constrained to order exactly the products corresponding to the quota assigned to his project.

In case the PI (and Co-PIs if any) intends to order something different than the quota (but within the list of available products above), he should take into consideration that the products are not equivalent between them. A quota for a certain amount of km² for one Mission/band combination/Processing/AOI doesn't consume the quota in the same way than the same amount of km² for a different Mission/band combination/Processing/AOI. PIs (and Co-PIs if any) willing to order something different than the quota (but within the list of available products above) are invited to contact European Space Imaging prior to submit the order in order to evaluate the impact on the quota.