CENTRO DE INVESTIGACIONES DEL PATRIMONIO COSTERO - CIPAC

CENTRO UNIVERSITARIO DE LA REGIÓN ESTE – CURE

UNIVERSIDAD DE LA REPÚBLICA URUGUAY - UDELAR

TUTORIAL: CREATING MASKS IN PHOTOSHOP TO IMPORT IN PHOTOSCAN

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Team:

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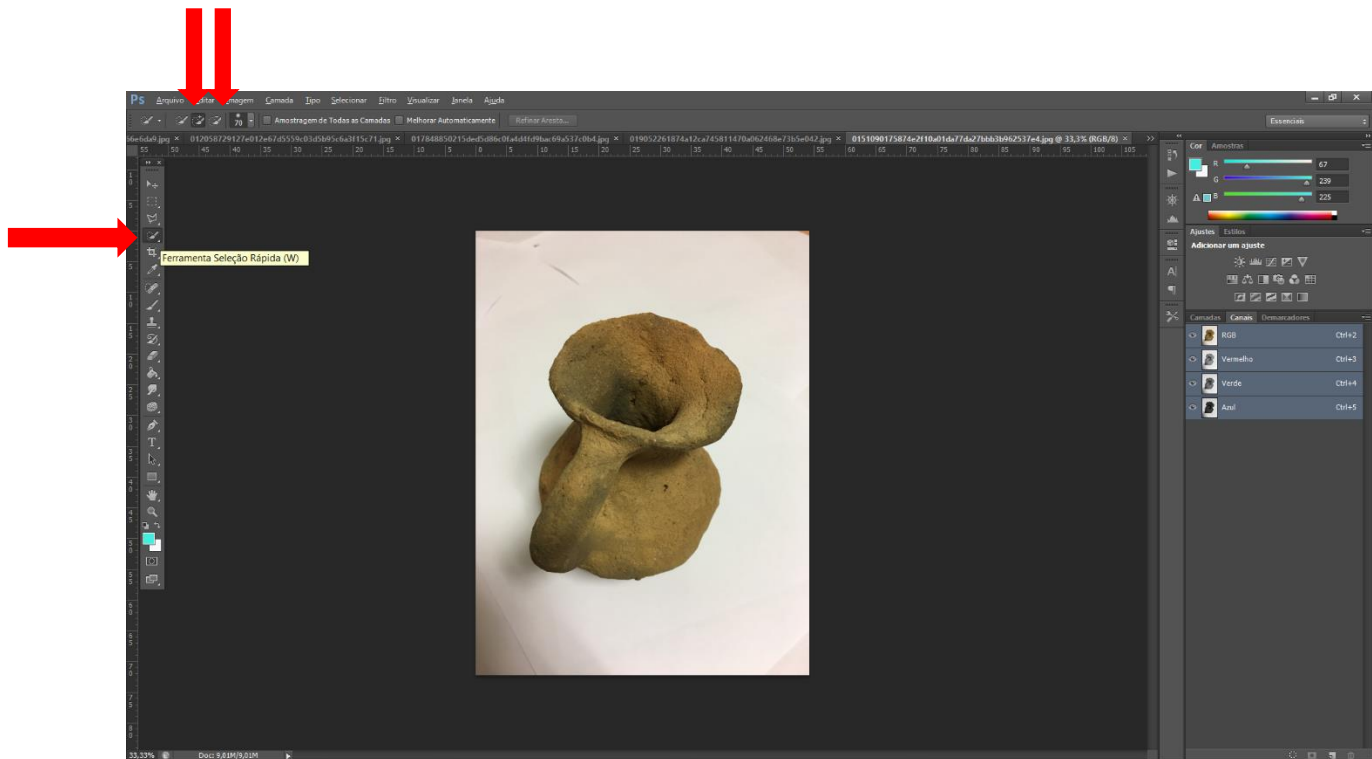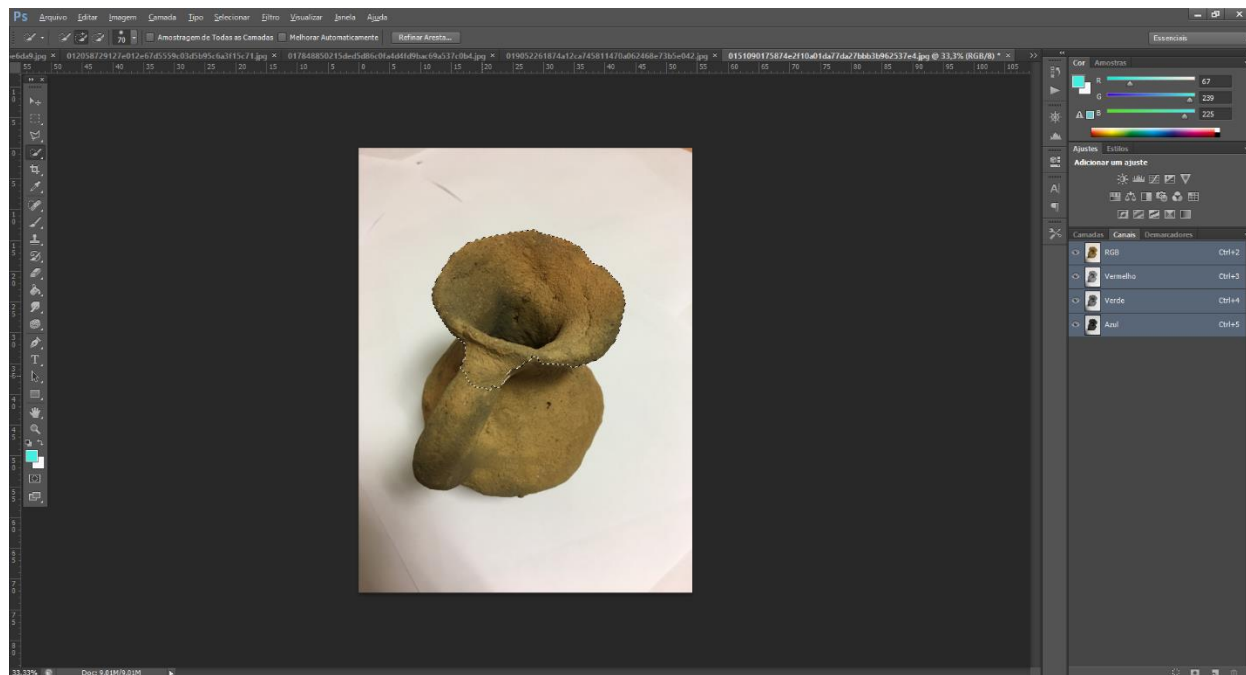
http://cipac.cure.edu.uy

To refer this tutorial:

FERREIRA, Samila & TORRES, Rodrigo. Centro de Investigaciones del Patrimonio Costero. Tutorial: Creating masks in Photoshop to import in Photoscan. Centro Universitario de la Región Este (CURE). Maldonado, 2017.

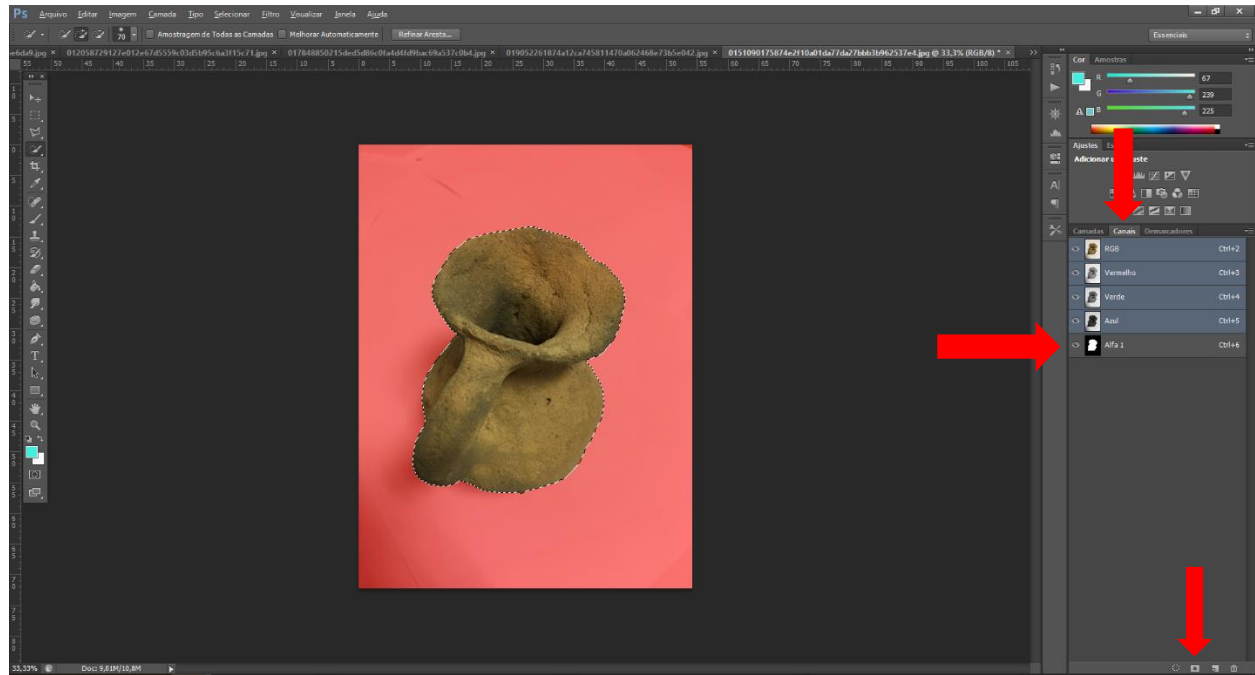## TUTORIAL: CREATING MASKS IN PHOTOSHOP TO IMPORT IN PHOTOSCAN

1. Open the photos on Photoshop that will be used to processing in Photoscan. On the left sidebar choose the "**Quick selection tool**". On the superior bar choose **(+)** to expand the selection and **(-)** to reduce the selection.
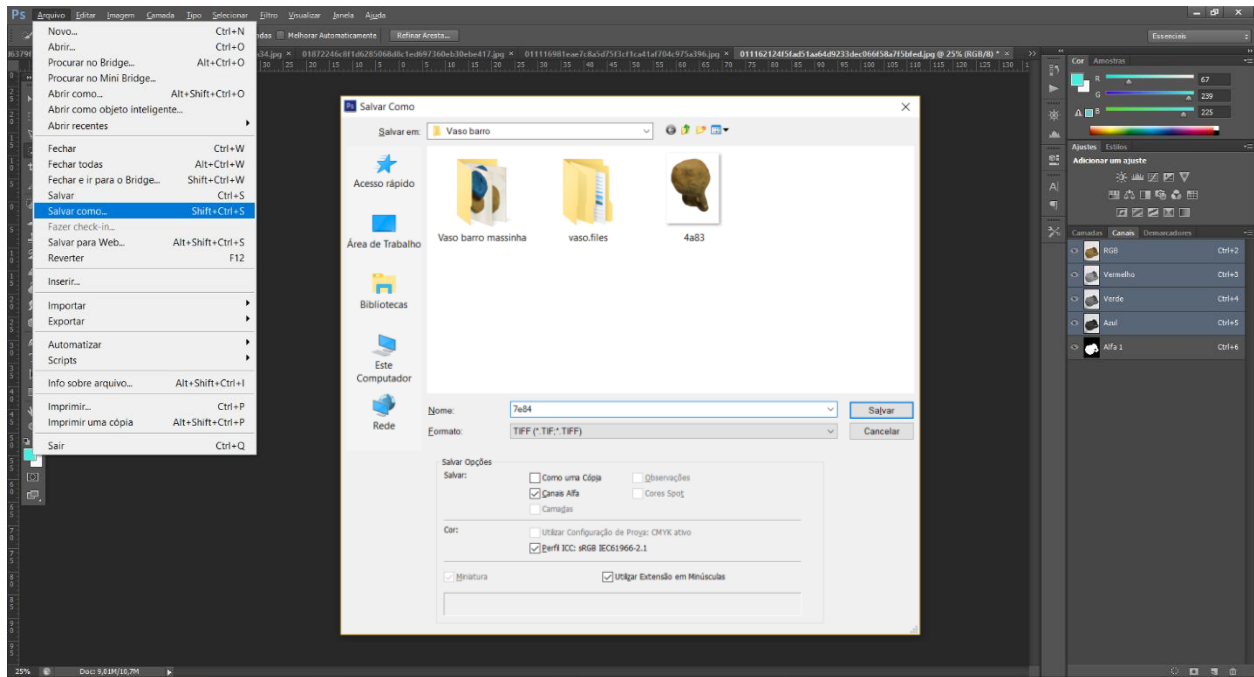
2. Select only the object which shall be inside a dotted surface. Be careful and precise with the borders!
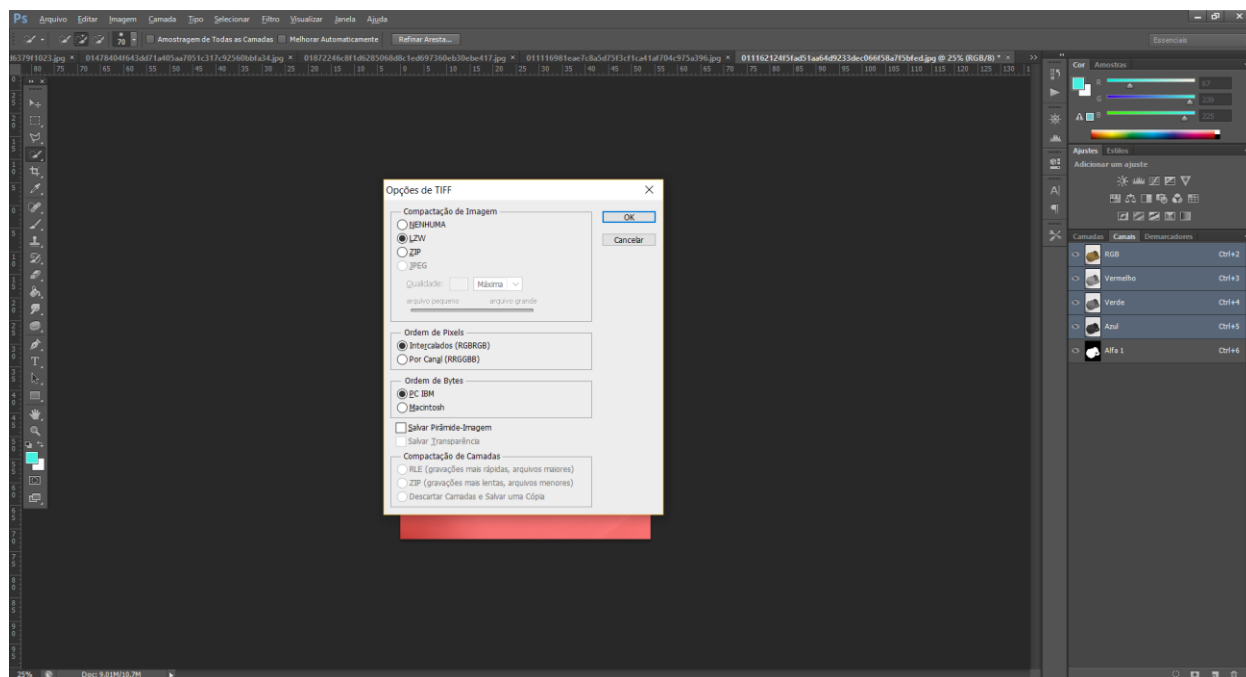
3. On the right sidebar click on **"Channels".** Scrool down and click over **"save selection as channel"** and select the **"Alpha 1"** channel as shown in the print screen.
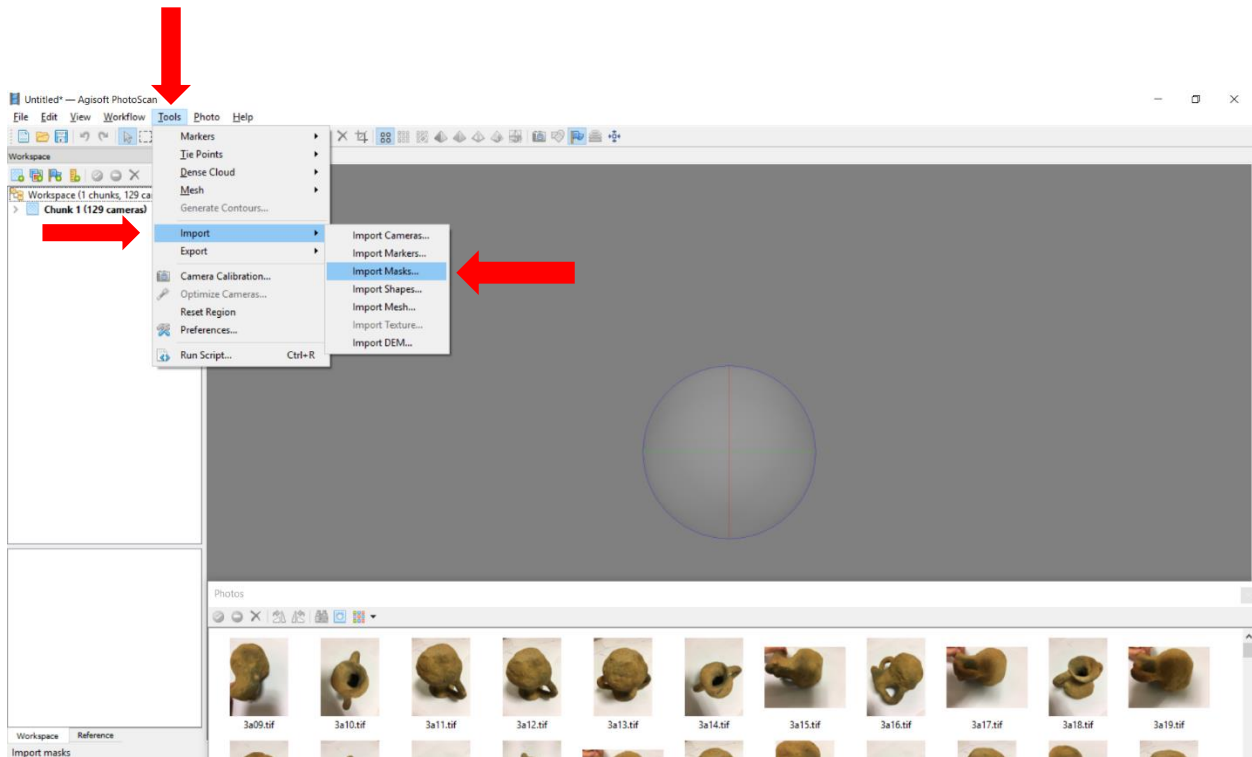
4. Save Alpha channel in File > Save as > TIFF format > Check Alpha channel and Save.
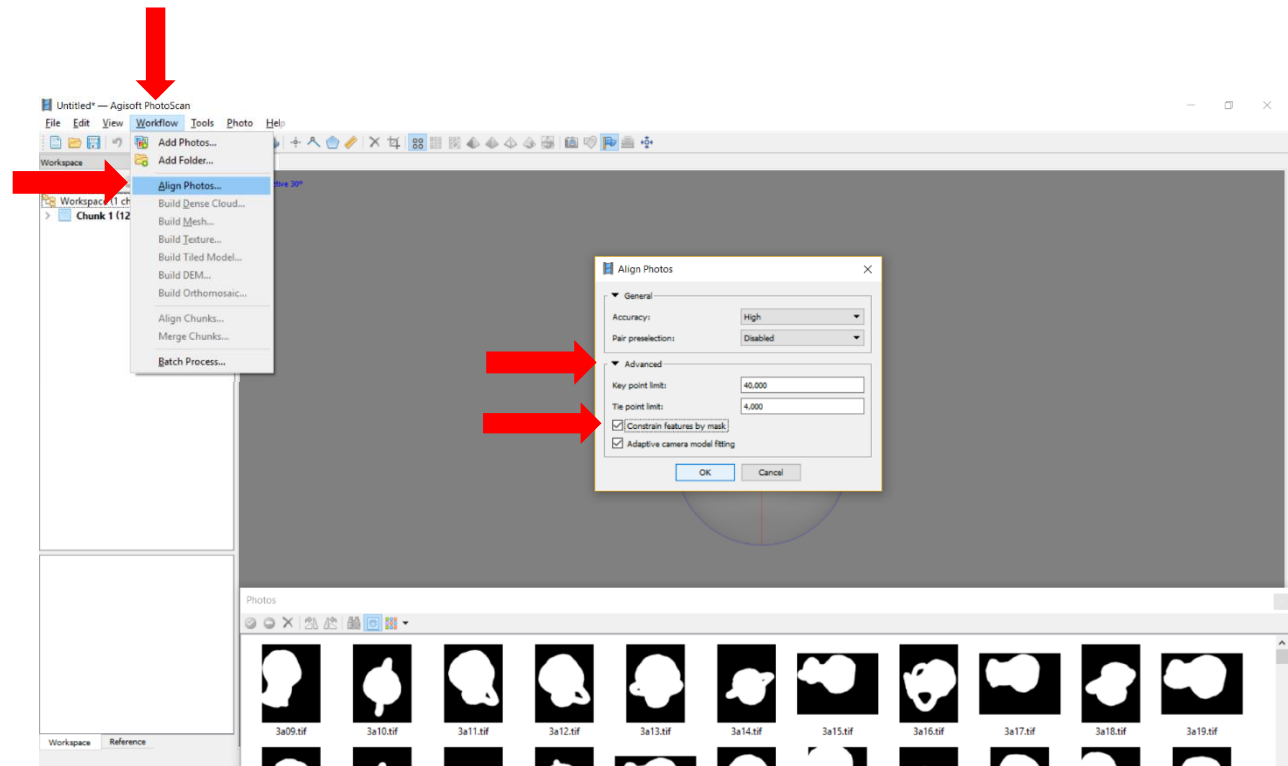
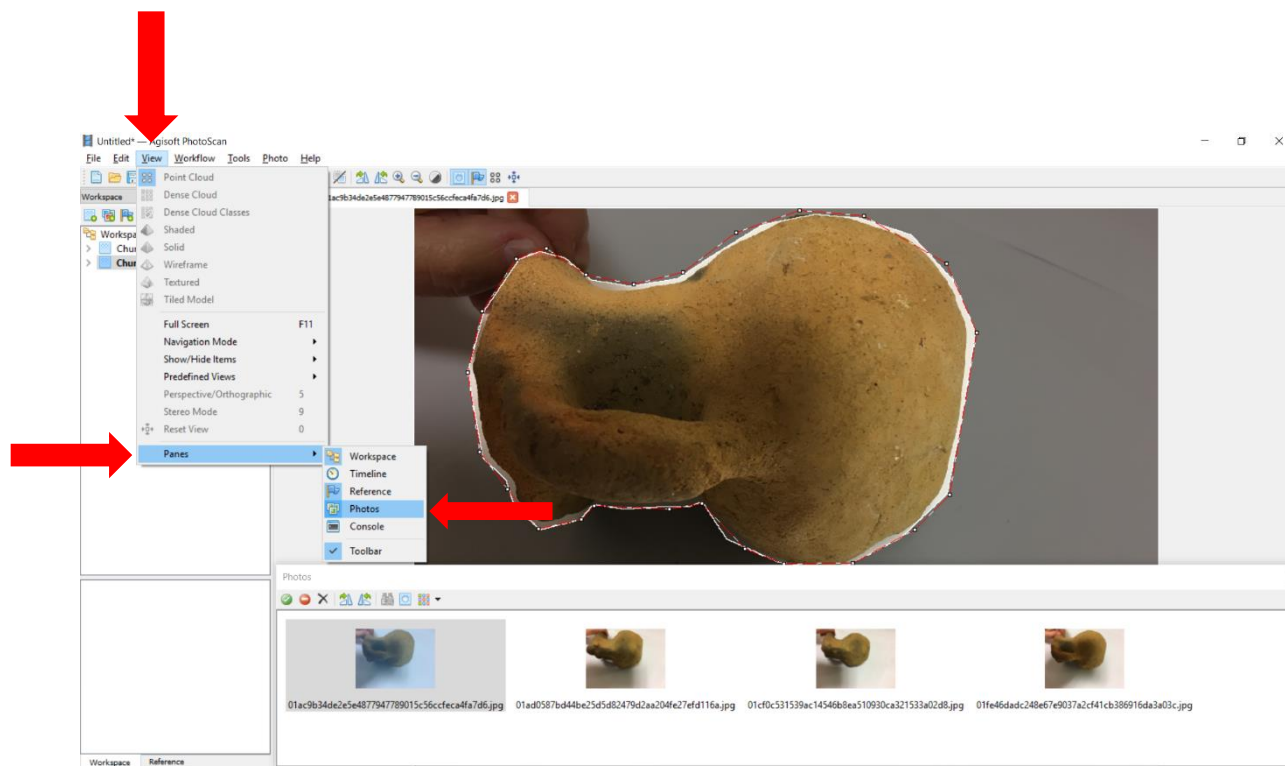5. Save TIFF options and OK (keep the standards from the screen).

6. To import the masks from Photoshop to Photoscan. Right click (mouse) on "**Chunk 1**" and click on "**Add Photos**". Select all the pictures saved as .TIFF and open. After that go in **Tools > Import > Import Masks**.
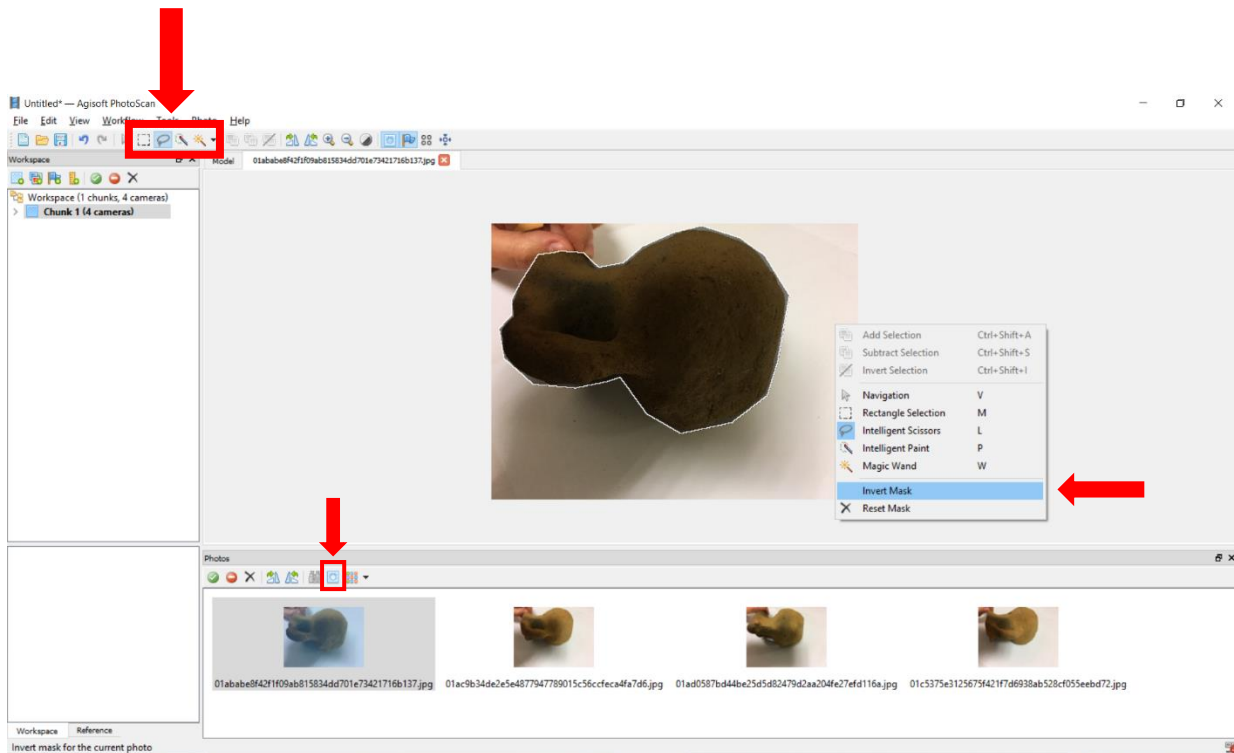
7. Go in "**Workflow**" > "**Align Photos**", open Advanced and select **"Constrain features by mask"**.
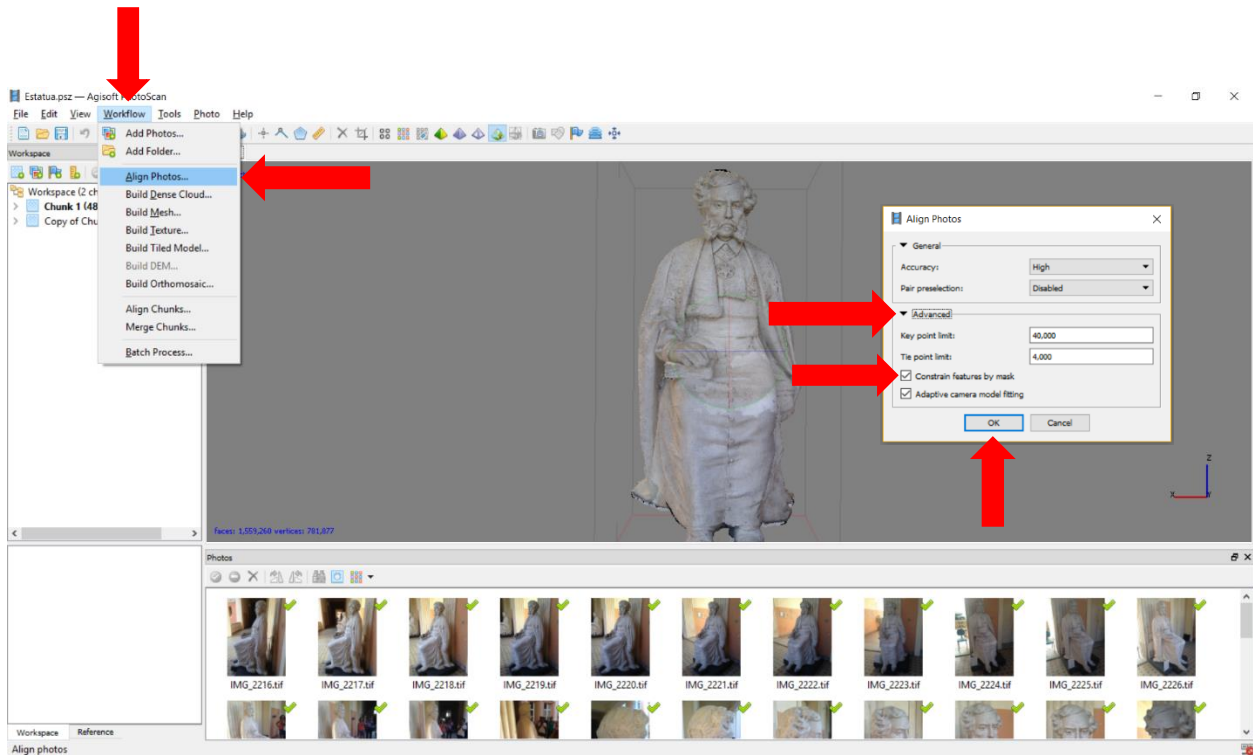
8. To mask the object using the Agisoft Photoscan. Add the photos and open the photos pane in **View** > **Panes** > **Photos**.

9. Contour the object using the selection tools: **Rectangle selection, Intelligent Scissors, Intelligent Paint or Magic Wand**. After selecting the object, right click (mouse) and choose **"Invert Mask".** The object must turn in evidence while the background should be darker. To check if the photo has been masked go in the photos superior bar and select **"Show Masks".**
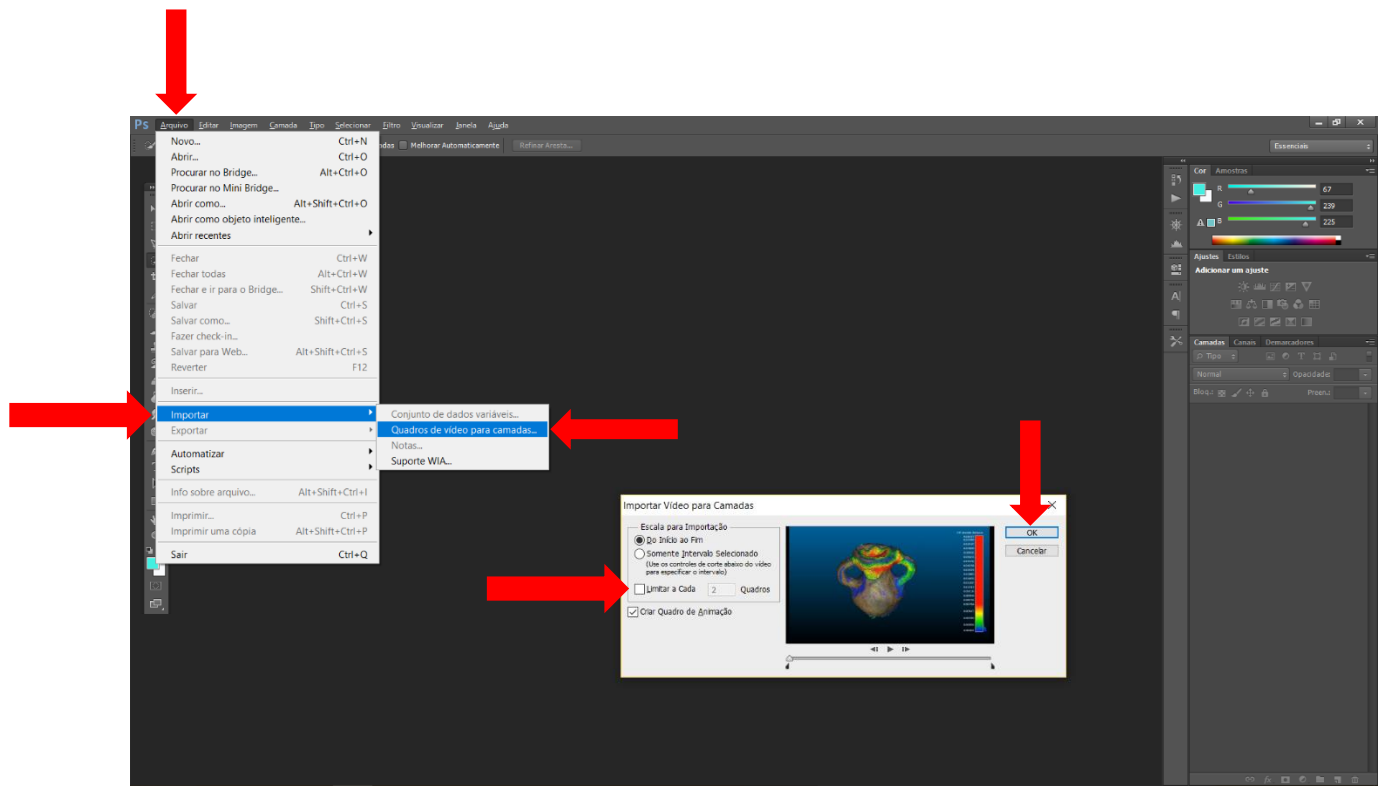
10. After the process of masking all photos follow the same steps to add masks to the processing. Select "**Workflow**" > "**Align Photos**", click on Advanced, select **"Constrain features by mask"** and OK.

CONVERTING VIDEOS IN PICTURE FRAMES IN PHOTOSHOP

1. File > Import > Video frames to layers. On the tab that will pop out on the screen, delimit the frames according with the video total duration (i.e. on this video of 40 seconds it was broken in 10 frames and generated 50 layers).

2. To save the layers in pictures go in **File > Scripts > Export layers to files.** Define a prefix to the pictures, define the file format (ex. JPEG) and choose the quality "12". Click on execute.