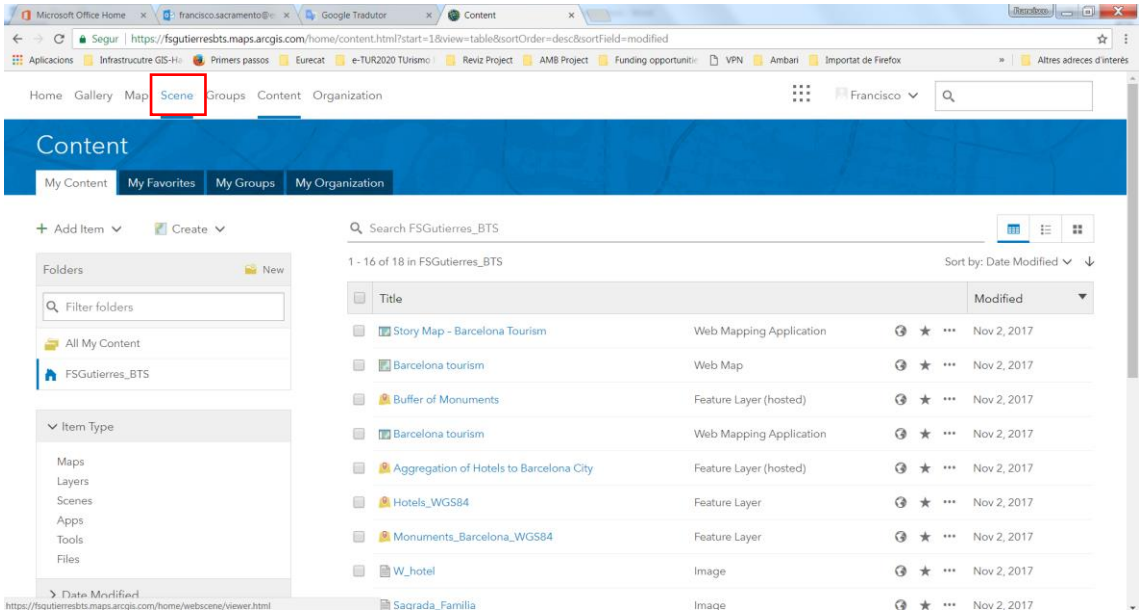
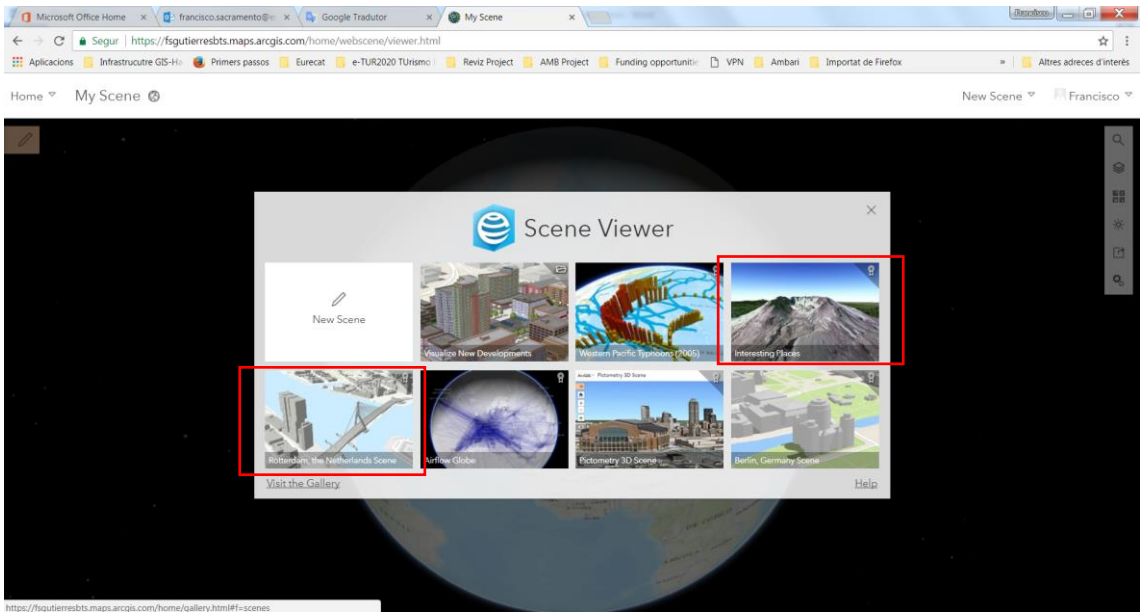
Exercise 1.4 – 3D Scene Viewer

Create a 3D Scene

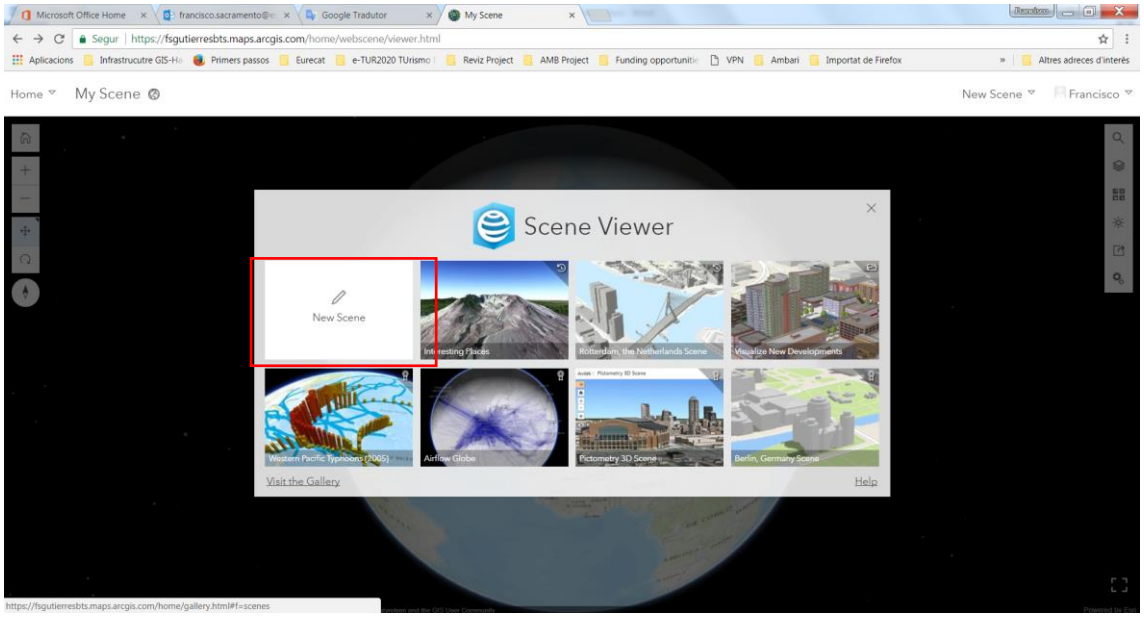
1. In the initial menu of your ArcGIS Online account click on the button "Scene".



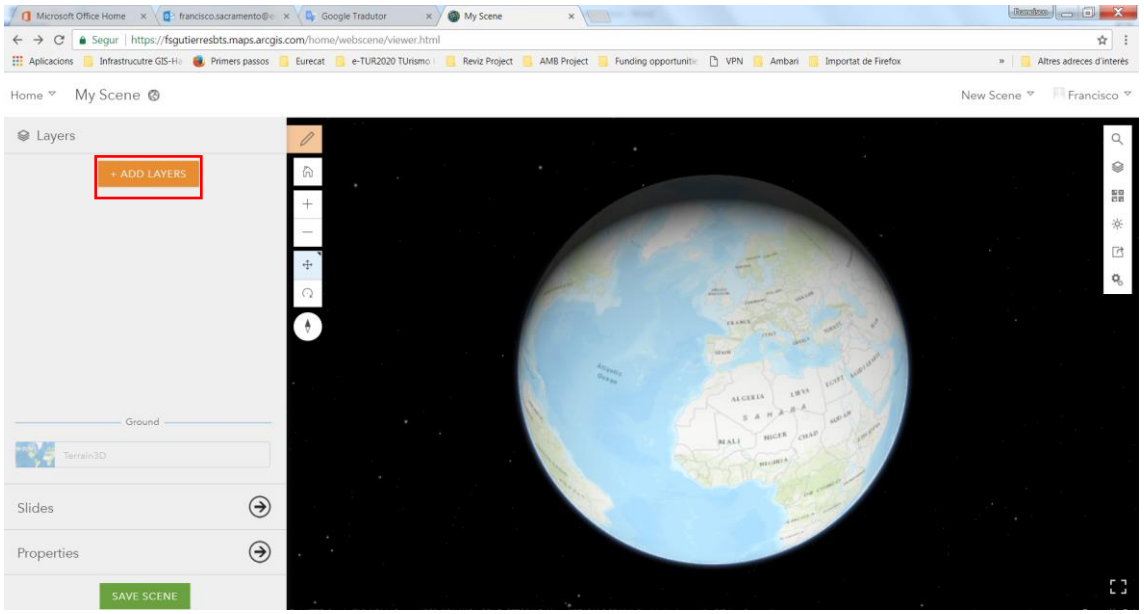
2. Explore the examples, for example, “Rotterdam, the Netherlands Scene” and “Interesting Places”.



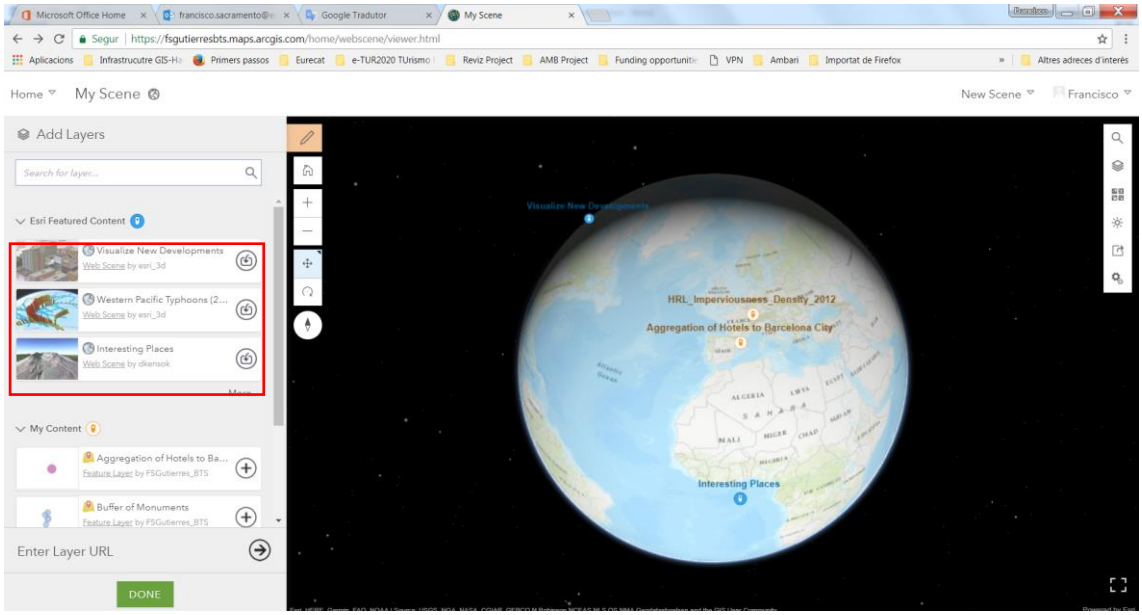
3. Create a “New Scene”.

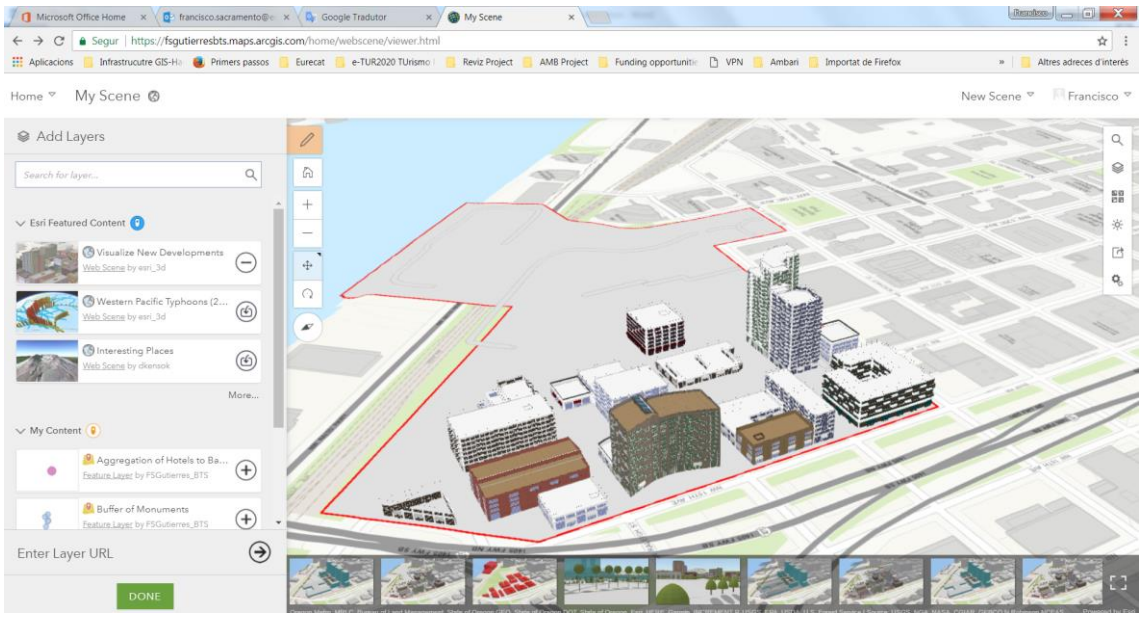


4. In the Scene viewer that was opened click on the "Add Layer" button.

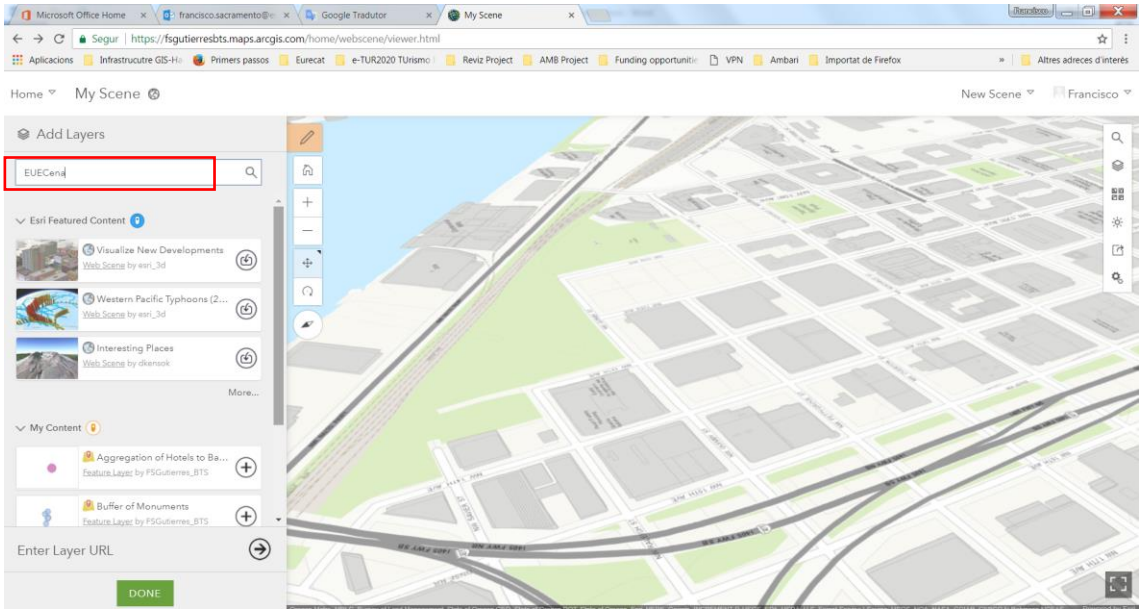


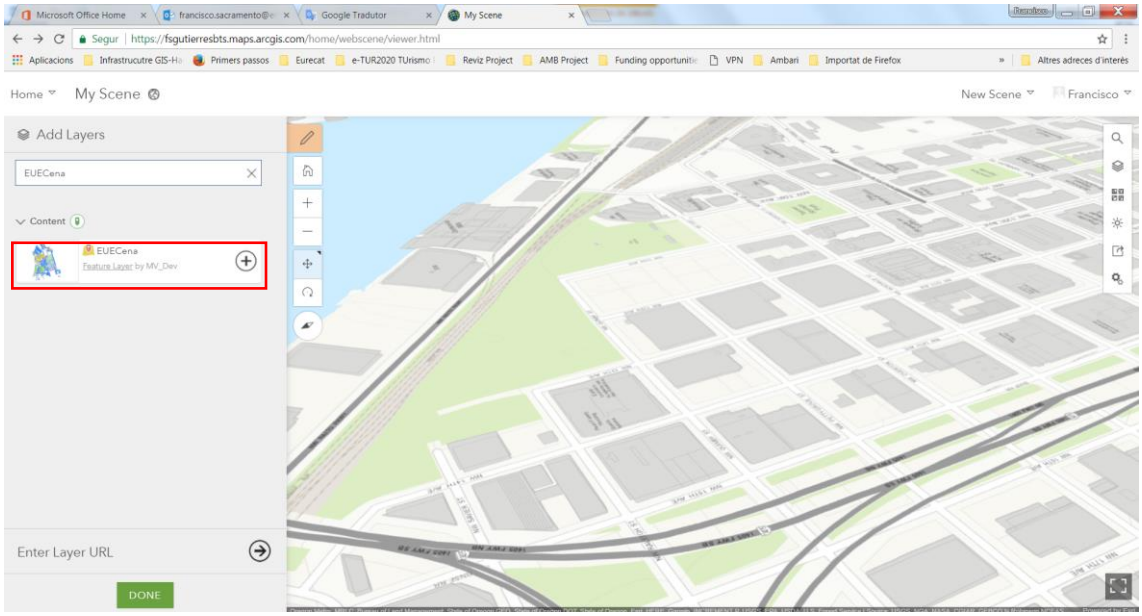
5. Explore the scenes available by default.



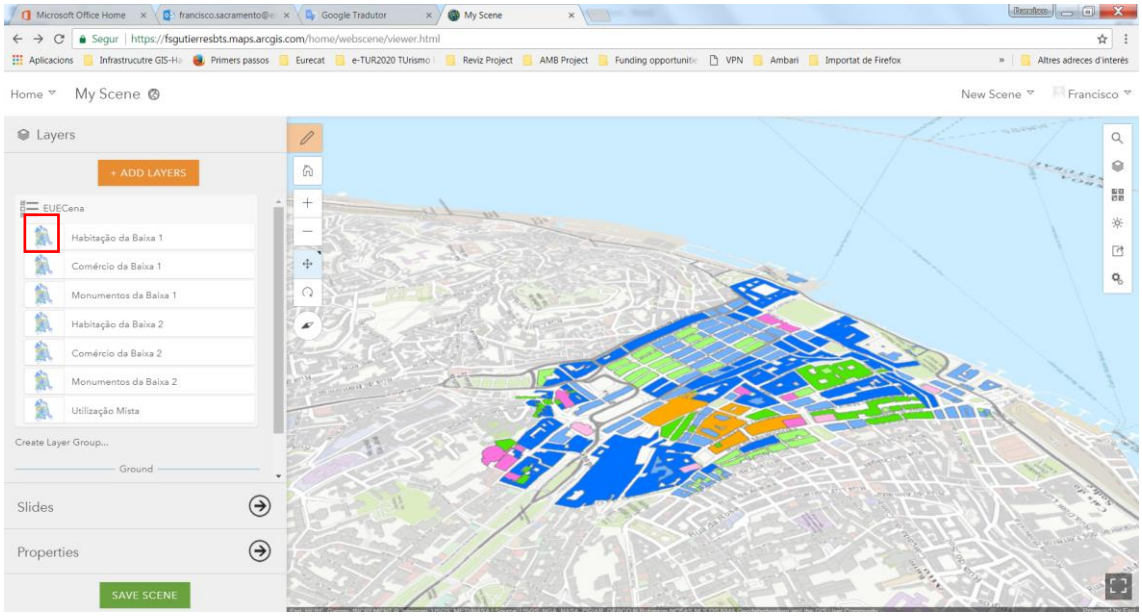


6. In the tab "Search Layer" enter "EUECena" (Scene of Lisbon), select the Feature Layer that is mentioned in the symbol “+” and finally in the “Done” button to complete the process.

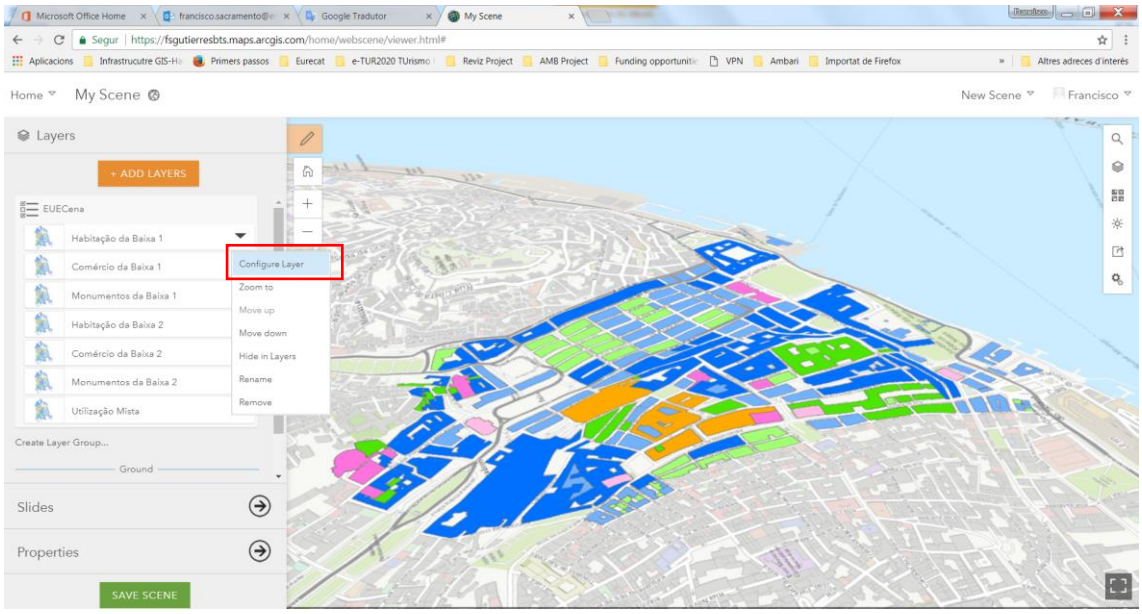




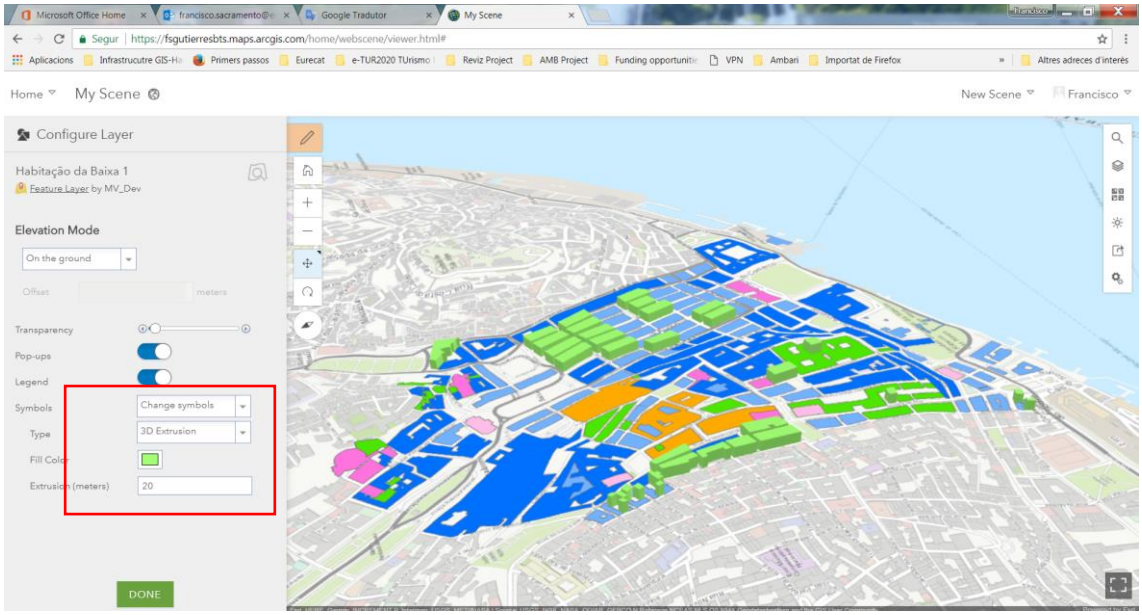
7. Click on done and in the button of one of the layers added to automatically zoom to the extension of this layer and explore the data by changing the zoom and the observation point.



8. The scene viewer already has the altimetric terrain information, in the following steps it will associate altimetric information with the added building layers. Select “Configure Layer”.

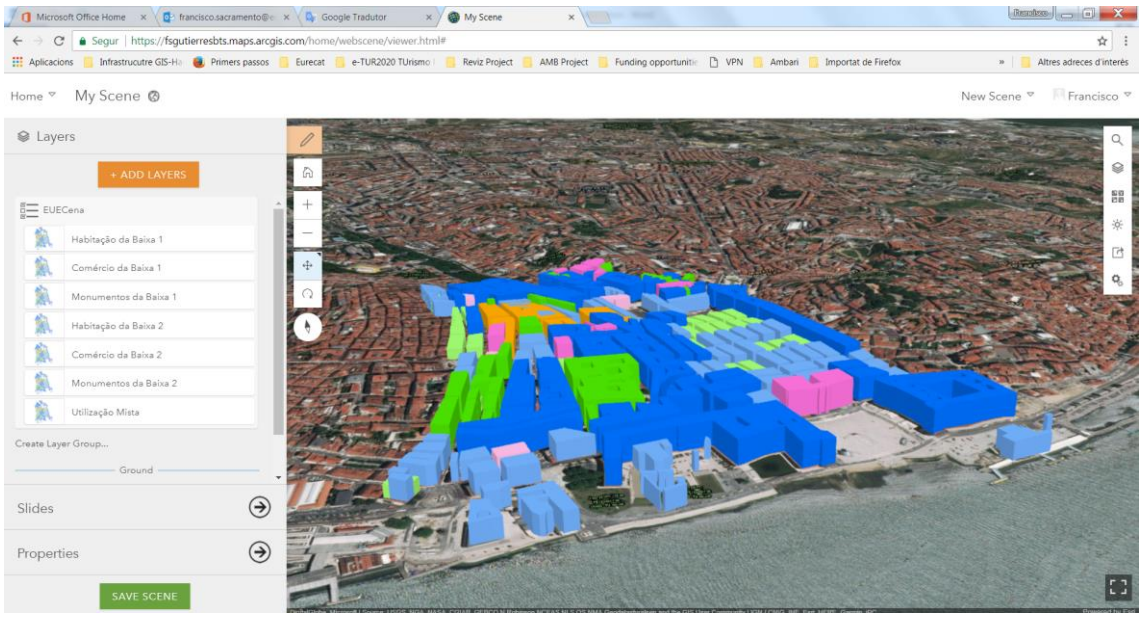


9. Set the highlighted options so that they match the image below.

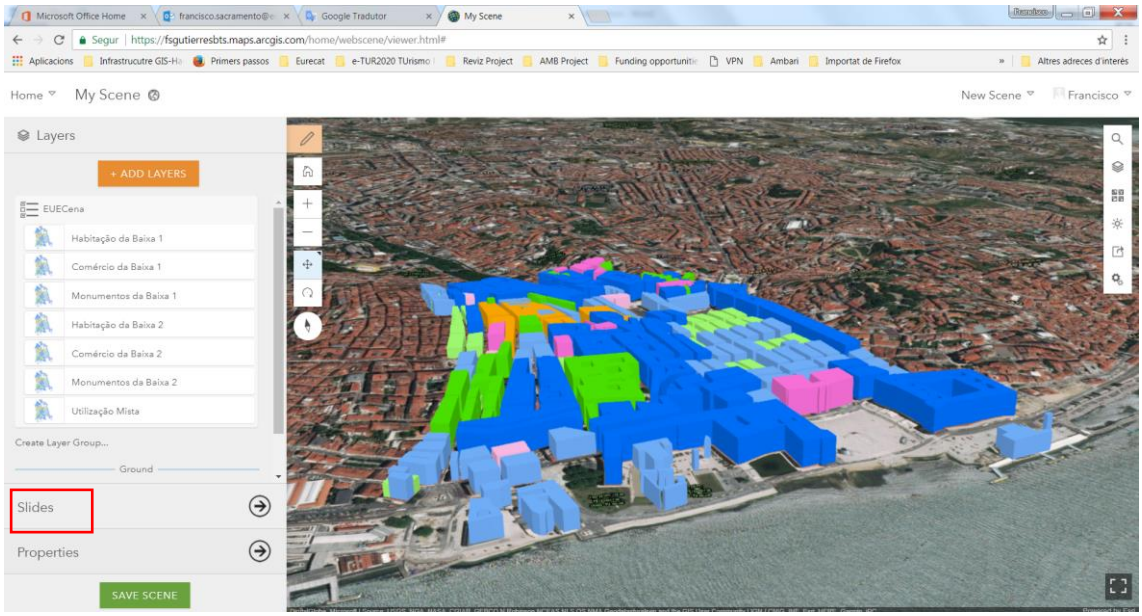


10. Proceed in the same way for the following layers using the following values for extrusion:

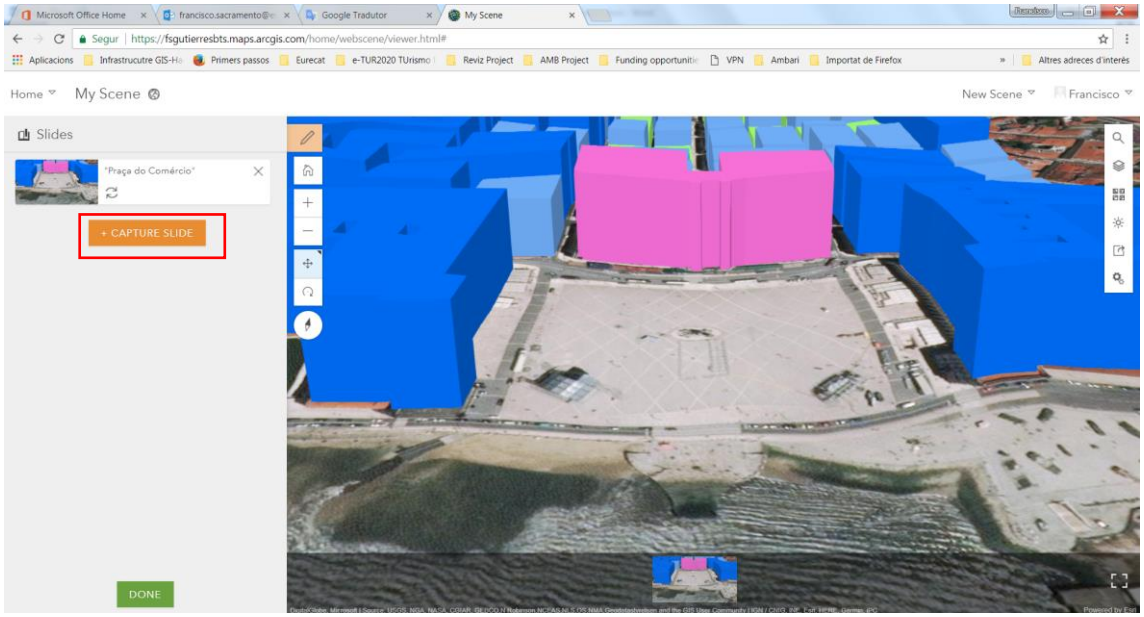
    - "Comércio da Baixa 1" – 30 meters
    - "Monumentos da Baixa 1" – 25 meters
    - "Habitação da Baixa 2" – 40 meters
    - "Comércio da Baixa 2" – 40 meters
    - "Monumentos da Baixa 2" – 45 meters
    - "Utilização Mista" – 30 meters

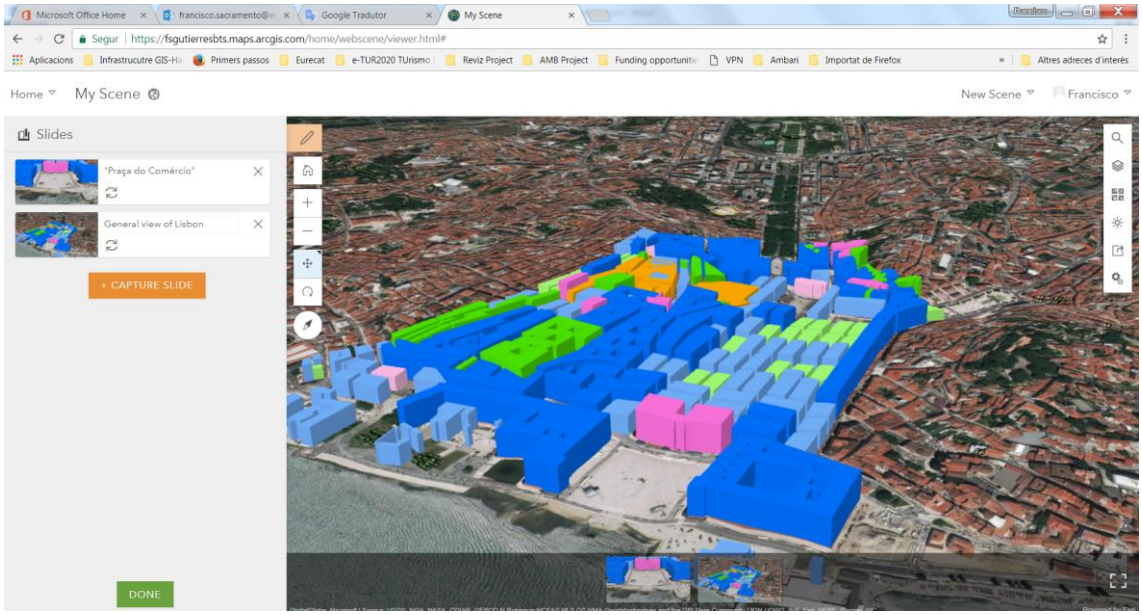


11. Click on the "Slides" button on the left side tab.

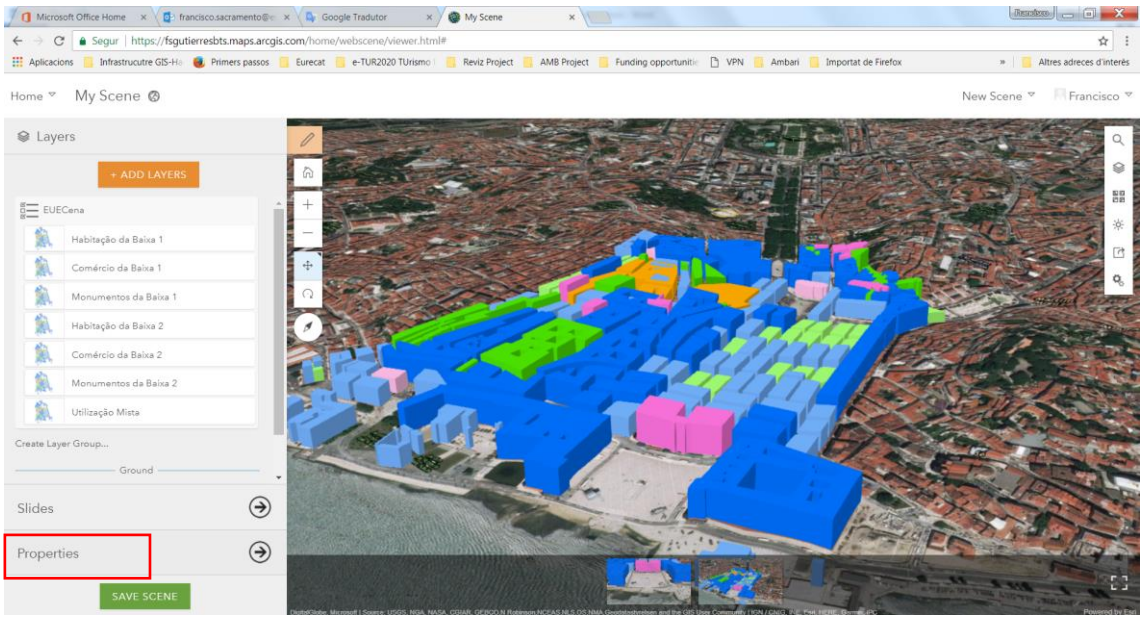


12. Navigate the map viewer until you are on the “Praça do Comércio” and click "Capture Slide." And insert “General view of Lisbon”.



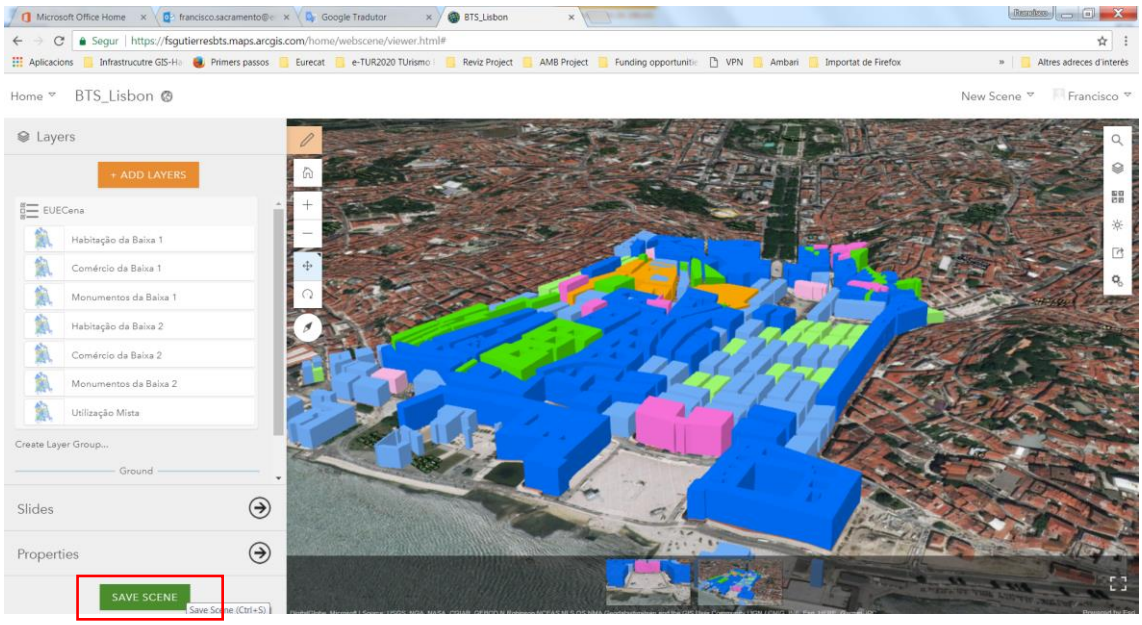


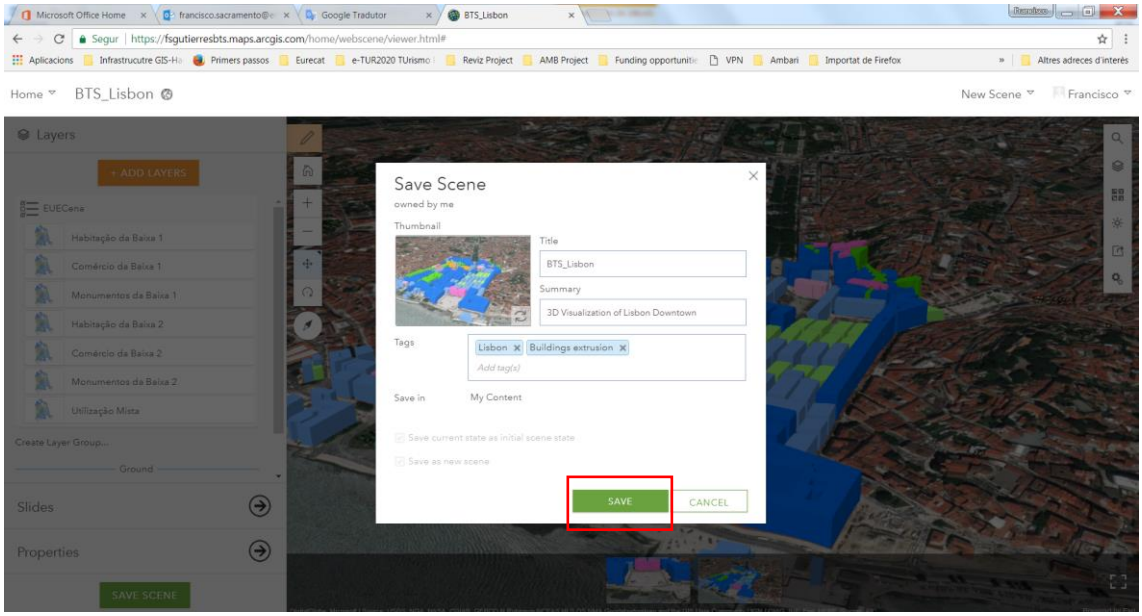
13. Fill in the fields "Title", "Summary" and "Keywords" and click "Save."



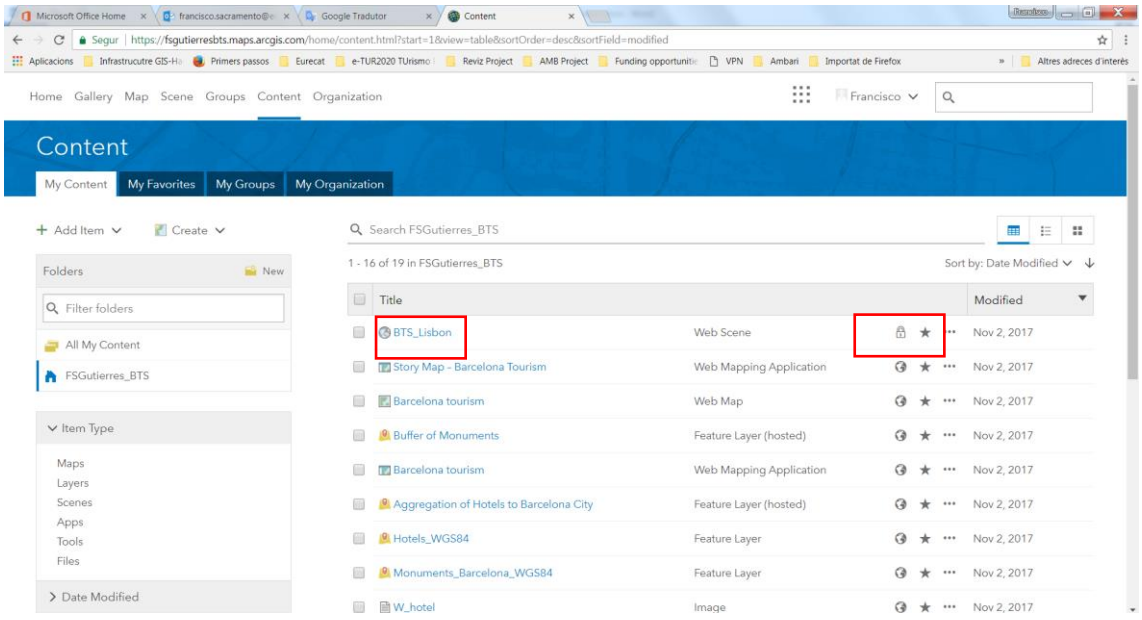
- Title: “BTS_Lisbon”
- Summary: “3D Visualization of Lisbon Downtown”
- Tags: “Lisbon”, “Buildings extrusion”.

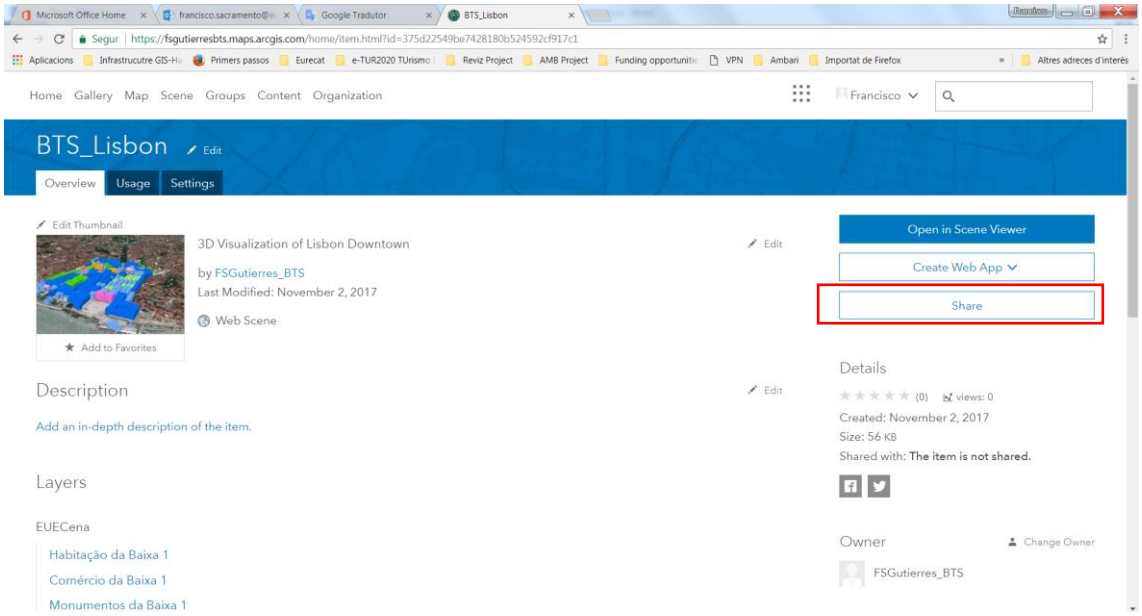
14. Save the Scene.

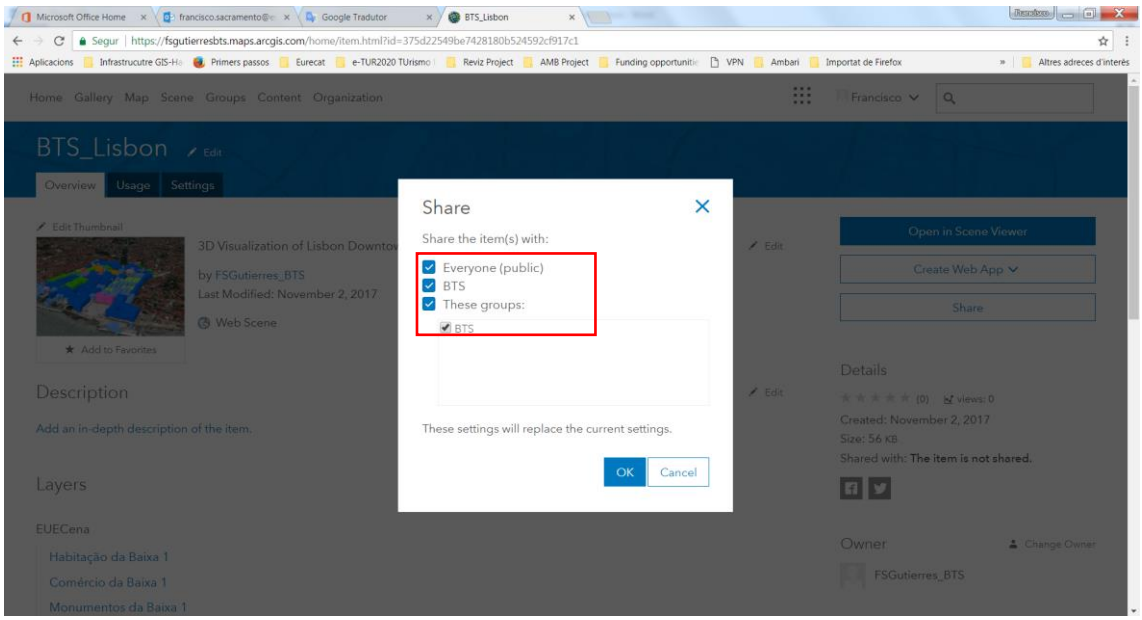




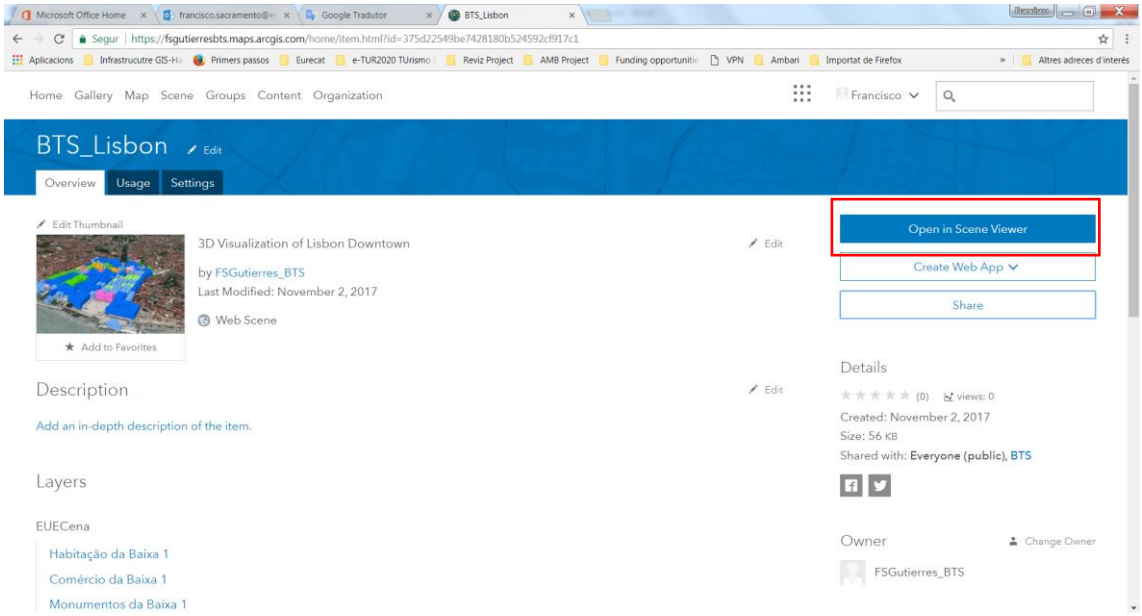
15. Share the Scene.







16. Open the scene “UPCLisbon” in the Scene Viewer and explore the results.


BTS_Lisbon
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Overview
Usage
Settings
Edit Thumbnail
3D Visualization of Lisbon Downtown
by FSGutierres_BTS
Last Modified: November 2, 2017
Web Scene
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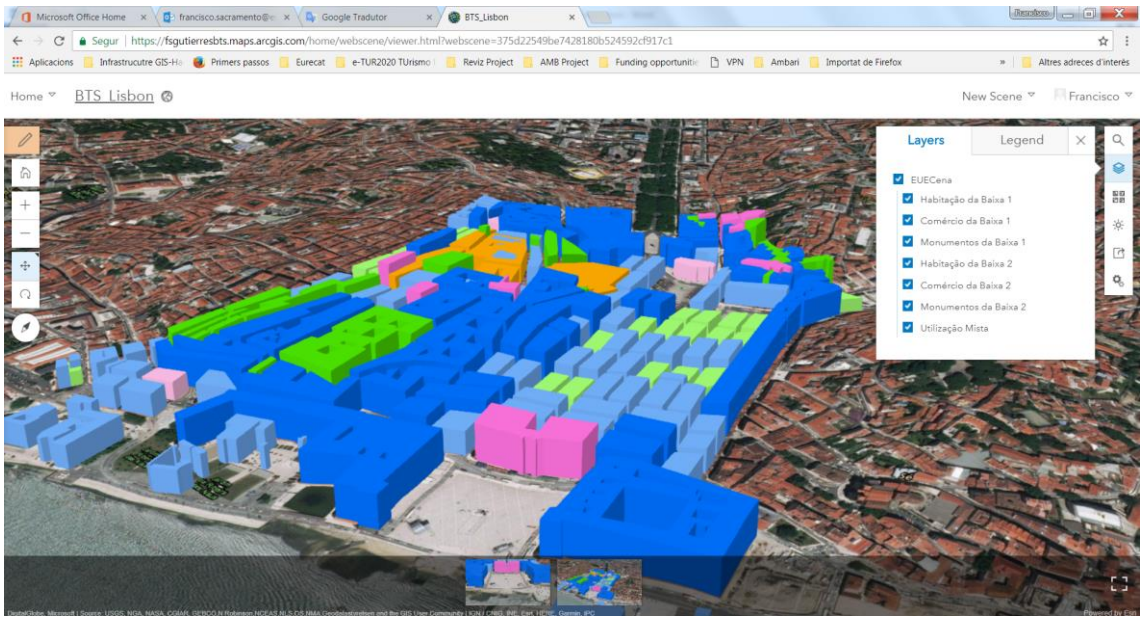
Description
Add an in-depth description of the item.
Layers
EUECena
Habitação da Baixa 1
Comércio da Baixa 1
Monumentos da Baixa 1
Open in Scene Viewer
Create Web App
Share
Details
Created: November 2, 2017
Size: 56 KB
Shared with: Everyone (public), BTS
Owner
Change Owner
FSGutierres_BTS


Home
BTS_Lisbon
New Scene
Francisco
Layers
Legend
EUECena
Habitação da Baixa 1
Comércio da Baixa 1
Monumentos da Baixa 1
Habitação da Baixa 2
Comércio da Baixa 2
Monumentos da Baixa 2
Utilização Mista

Good work!