Attached are the classification results and accuracy assessment results for the five study areas.

The following folders are included: Agadir, Almeria, Antalya, Nantong, and Weifang.

Each folder contains 4 subfolders and a QGIS project:

* **IPGHI:** Contains the classification files based on the composite index for S2, called Improved Plastic Greenhouse Index (IPGHI), which was published by Senel et al. 2023 [1]. Details of the contents within each subfolder are provided below in blue.
* **SHP\_GH\_NGH:** Contains SHAPE (SHP) format polygons representing Plastic Covered Greenhouses (PCG) in each study area.
* **Niu et al 2025:** Contains the classification files for the Global PCG classification based on Sentinel-2 imagery, published by Niu et al. [2]. Details of the contents within each subfolder are provided below in blue.
* **Tong et al\_2024(PS):** Contains the classification files for the Global PCG classification based on PlanetScope commercial satellite images with 3m ground sample distance, published by Tong et al.[3] Details of the contents within each subfolder are provided below in blue.
* All files are organized in the same order as the folders within the **QGIS project**.

1. **Agadir**

* **IPGHI** 
  + **OA** (Accuracy assessment results using the SCP plugin)
    - *Agadir\_IPGHI\_OA.tif*
  + **Sentinel\_2\_image:** (Sentinel 2 image used for the classification)
    - *S2\_Agadir\_2020\_07\_10\_3x3.pix*
  + **TIF\_GH\_NGH\_Agadir** (Ground Truth used to calculate the OA)
    - *TIF\_GH\_NGH\_AGADIR\_1\_2\_.tif*
  + *Agadir\_IPGHI.tif* (The results of the GH/NGH binary classification using the IPGHI method, as described in the paper)
* **Niu et al\_2025 (S2)**
  + **OA** (Accuracy assessment results using the SCP plugin)
    - *Agadir\_Niu\_OA.tif*
  + **TIF\_GH\_NGH\_Agadir** (Ground Truth used to calculate the OA)
    - *TIF\_GH\_NGH\_AGADIR\_1\_2\_.tif*
  + *1762\_1\_PCG\_Result.tif (Clip of the GeoTIFF with 3 m GSD extracted from the global PCG map published by Niu et al. 2025)*
* **SHP\_GH\_NGH\_Agadir (SHAPE containing polygons representing PCG)**
  + *GH\_NGH\_Agadir.shp*
* **Tong et al\_2024(PS)**
  + **OA** (Accuracy assessment results using the SCP plugin)
    - *Agadir\_Tong\_OA.tif*
  + **TIF\_GH\_NGH\_Agadir** (Ground Truth used to calculate the OA)
    - *TIF\_GH\_NGH\_Agadir.tif*
  + *re\_det\_planet\_256\_nonorm\_ps\_PSScene4Band\_2019\_-0011\_00033.tif* (Clip of the GeoTIFF with 3 m GSD extracted from the global PCG map published by Tong et al. 2024)

1. **Almeria**

* **IPGHI** 
  + **OA** (Accuracy assessment results using the SCP plugin)
    - *Almeria\_IPGHI\_OA.tif*
  + **Sentinel\_2\_image** (Sentinel 2 image used for the classification)
    - *S2\_Almeria\_2020\_12\_26\_3x3.pix*
  + **TIF\_GH\_NGH\_Almeria** (Ground Truth used to calculate the OA)
    - *TIF\_GH\_NGH\_Almeria\_1\_2\_.tif*
  + *Almeria\_IPGHI.tif* (The results of the GH/NGH binary classification using the IPGHI method, as described in the paper)
* **Niu et al\_2025 (S2)**
  + **OA** (Accuracy assessment results using the SCP plugin)
    - *Almeria\_Niu\_OA.tif*
  + **TIF\_GH\_NGH\_Almeria** (Ground Truth used to calculate the OA)
    - *TIF\_GH\_NGH\_Almeria.tif*
  + *1835\_8\_PCG\_Result.tif (Clip of the GeoTIFF with 3 m GSD extracted from the global PCG map published by Niu et al. 2025)*
* **SHP\_GH\_NGH\_Almeria (SHAPE containing polygons representing PCG)**
  + *GH\_NGH\_Almeria.shp*
* **Tong et al\_2024(PS)**
  + **OA** (Accuracy assessment results using the SCP plugin)
    - *Almeria\_Tong\_OA.tif*
  + **TIF\_GH\_NGH\_Almeria**(Ground Truth used to calculate the OA)
    - *TIF\_GH\_NGH\_Almeria.tif*
  + *re\_det\_planet\_256\_nonorm\_ps\_PSScene4Band\_2019\_-0003\_00040.tif* (Clip of the GeoTIFF with 3 m GSD extracted from the global PCG map published by Tong et al. 2024)

1. **Antalya**

* **IPGHI** 
  + **OA** (Accuracy assessment results using the SCP plugin)
    - *Antalya\_IPGHI\_OA.tif*
  + **Sentinel\_2\_image** (Sentinel 2 image used for the classification)
    - *S2A\_Antalya\_2019\_02\_01\_3x3.pix*
  + **TIF\_GH\_NGH\_Antalya** (Ground Truth used to calculate the OA)
    - *TIF\_GH\_NGH\_Antalya\_1\_2\_.tif*
  + *Antalya\_IPGHI.tif* (The results of the GH/NGH binary classification using the IPGHI method, as described in the paper)
* **Niu et al\_2025 (S2)**
  + **OA** (Accuracy assessment results using the SCP plugin)
    - *Antalya\_Niu\_OA .tif*
  + **TIF\_GH\_NGH\_Antalya** (Ground Truth used to calculate the OA)
    - *TIF\_GH\_NGH\_Antalya\_Without\_GlassGH.tif*
  + *1835\_8\_PCG\_Result.tif (Clip of the GeoTIFF with 3 m GSD extracted from the global PCG map published by Niu et al. 2025)*
* **SHP\_GH\_NGH\_Antalya (SHAPE containing polygons representing PCG)**
  + *GH\_NGH\_Antalya.shp*
* **Tong et al\_2024(PS)**
  + **OA** (Accuracy assessment results using the SCP plugin)
    - *Antalya\_Tong\_OA.tif*
  + **TIF\_GH\_NGH\_Antalya** (Ground Truth used to calculate the OA)
    - *TIF\_GH\_NGH\_Antalya\_Without\_GlassGH.tif*
  + *re\_det\_planet\_256\_nonorm\_ps\_PSScene4Band\_2019\_00034\_00041.tif* (Clip of the GeoTIFF with 3 m GSD extracted from the global PCG map published by Tong et al. 2024)

1. **Nantong**

* **IPGHI** 
  + **OA** (Accuracy assessment results using the SCP plugin)
    - *Nantong \_IPGHI\_OA.tif*
  + **Sentinel\_2\_image** (Sentinel 2 image used for the classification)
    - *S2A\_ Nantong \_2019\_12\_10\_3x3.pix*
  + **TIF\_GH\_NGH\_Nantong** (Ground Truth used to calculate the OA)
    - *TIF\_GH\_NGH\_Nantong\_1\_2\_.tif*
  + *Nantong \_IPGHI.tif* (The results of the GH/NGH binary classification using the IPGHI method, as described in the paper)
* **Niu et al\_2025 (S2)**
  + **OA** (Accuracy assessment results using the SCP plugin)
    - *Nantong \_Niu\_OA .tif*
  + **TIF\_GH\_NGH\_** **Nantong** (Ground Truth used to calculate the OA)
    - *TIF\_GH\_NGH\_ Nantong.tif*
  + *1788\_7\_PCG\_Result.tif (Clip of the GeoTIFF with 3 m GSD extracted from the global PCG map published by Niu et al. 2025)*
* **SHP\_GH\_NGH\_Nantong (SHAPE containing polygons representing PCG)**
  + *GH\_NGH\_Nantong.shp*
* **Tong et al\_2024(PS)**
  + **OA** (Accuracy assessment results using the SCP plugin)
    - *Nantong \_Tong\_OA.tif*
  + **TIF\_GH\_NGH\_Nantong** (Ground Truth used to calculate the OA)
    - *TIF\_GH\_NGH\_Nantong.tif*
  + *re\_det\_planet\_256\_nonorm\_ps\_PSScene4Band\_2019\_00134\_00035.tif* (Clip of the GeoTIFF with 3 m GSD extracted from the global PCG map published by Tong et al. 2024)

1. **Weifang**

* **IPGHI** 
  + **OA** (Accuracy assessment results using the SCP plugin)
    - *Weifang \_IPGHI\_OA.tif*
  + **TIF\_GH\_NGH\_** **Weifang** (Ground Truth used to calculate the OA)
    - *TIF\_GH\_NGH\_* *Weifang\_1\_2\_.tif*
  + **Sentinel\_2\_image** (Sentinel 2 image used for the classification)
    - *S2A\_Weifang\_2021\_12\_17\_3x3.pix*
  + *Weifang \_IPGHI.tif* (The results of the GH/NGH binary classification using the IPGHI method, as described in the paper)
* **Niu et al\_2025 (S2)**
  + **OA** (Accuracy assessment results using the SCP plugin)
    - *Weifang \_Niu\_OA .tif*
  + **TIF\_GH\_NGH\_** **Weifang** (Ground Truth used to calculate the OA)
    - *TIF\_GH\_NGH\_ Weifang.tif*
  + *1859\_9\_PCG\_Result.tif (Clip of the GeoTIFF with 3 m GSD extracted from the global PCG map published by Niu et al. 2025)*
* **SHP\_GH\_NGH\_** **Weifang (SHAPE containing polygons representing PCG)**
  + *GH\_NGH\_* *Weifang.shp*
* **Tong et al\_2024(PS)**
  + **OA** (Accuracy assessment results using the SCP plugin)
    - *Weifang \_Tong\_OA.tif*
  + **TIF\_GH\_NGH\_** **Weifang** (Ground Truth used to calculate the OA)
    - *TIF\_GH\_NGH\_* *Weifang.tif*
  + *re\_det\_planet\_256\_nonorm\_ps\_PSScene4Band\_2019\_00132\_00040.tif* (Clip of the GeoTIFF with 3 m GSD extracted from the global PCG map published by Tong et al. 2024)