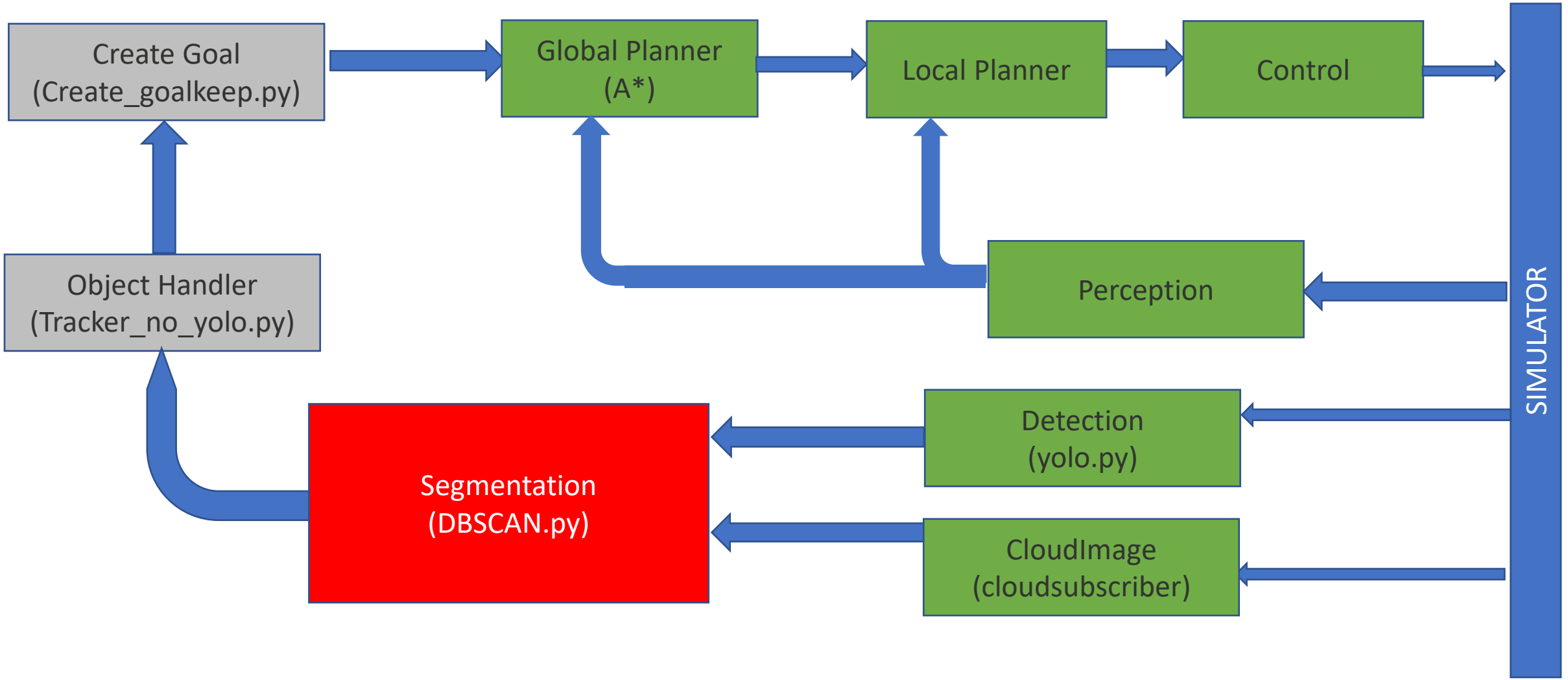
Current Status

- ❑ **Finish Design**
  - ☑ Document structure and interfaces
  - ❑ Determine key frames of reference
  - ❑ Understand the Target_UID identifier
- ❑ **Connect NATO Autonomy Stack to simulator**
  - ~~❑ Requested access to MAVS on GitLab~~
  - ☑ Integrate to Neya simulator (based on Unreal Engine)
  - ☑ Tune performance and perception behavior
  - ☑ Update sim to allow control of multiple vehicles
- ❑ **Integrate sensor data to tracker and autonomy stack**
  - ☑ Augment simulator to produce images + point clouds
  - ❑ Create conversion node to topics/messages
- ❑ **Connect Tracker output to NATO Autonomy Stack input**
  - ☑ Modify Global Planner (A*) to take waypoints from subscriber, or
  - ❑ Create conversion node to map tracker outputs to planner inputs
- ☑ **Obtain trained weights, test, and validate**

Current focus is here

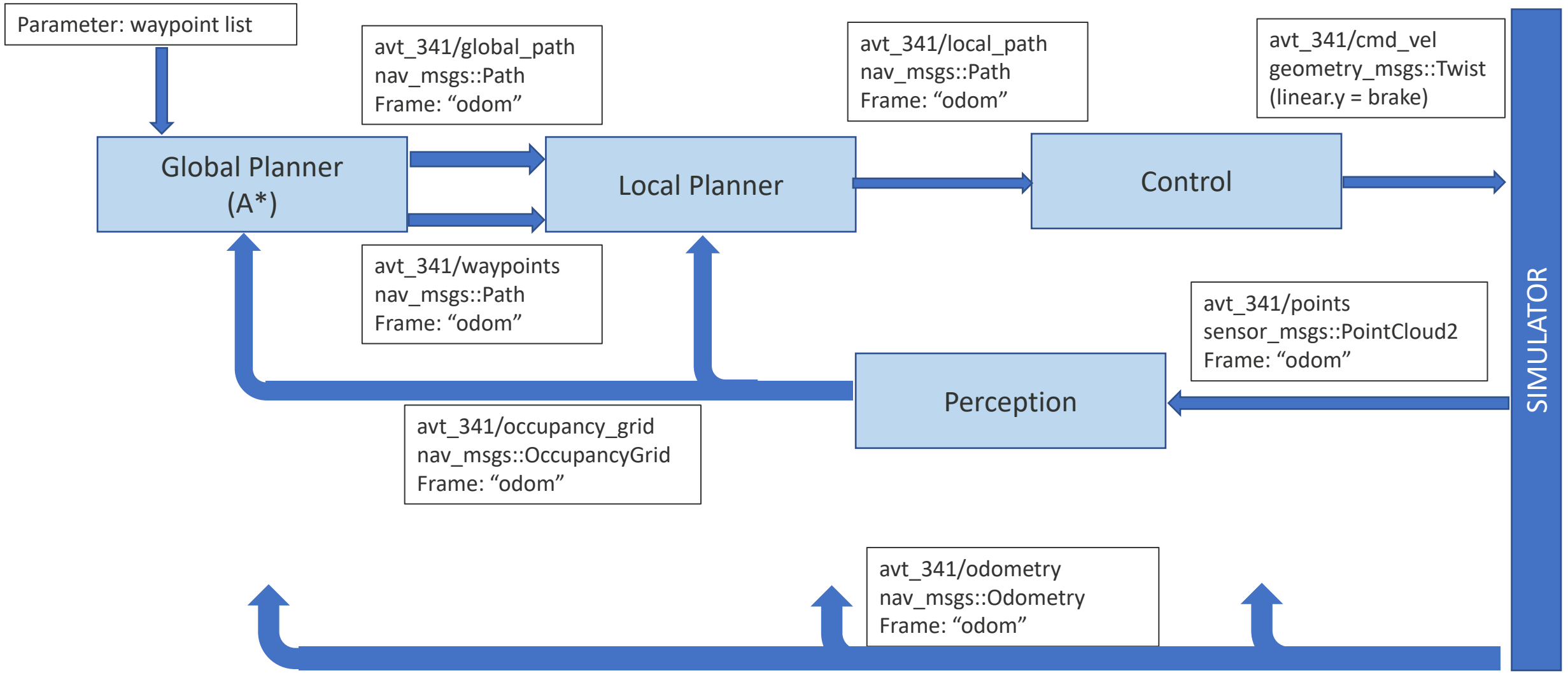
Integrated System



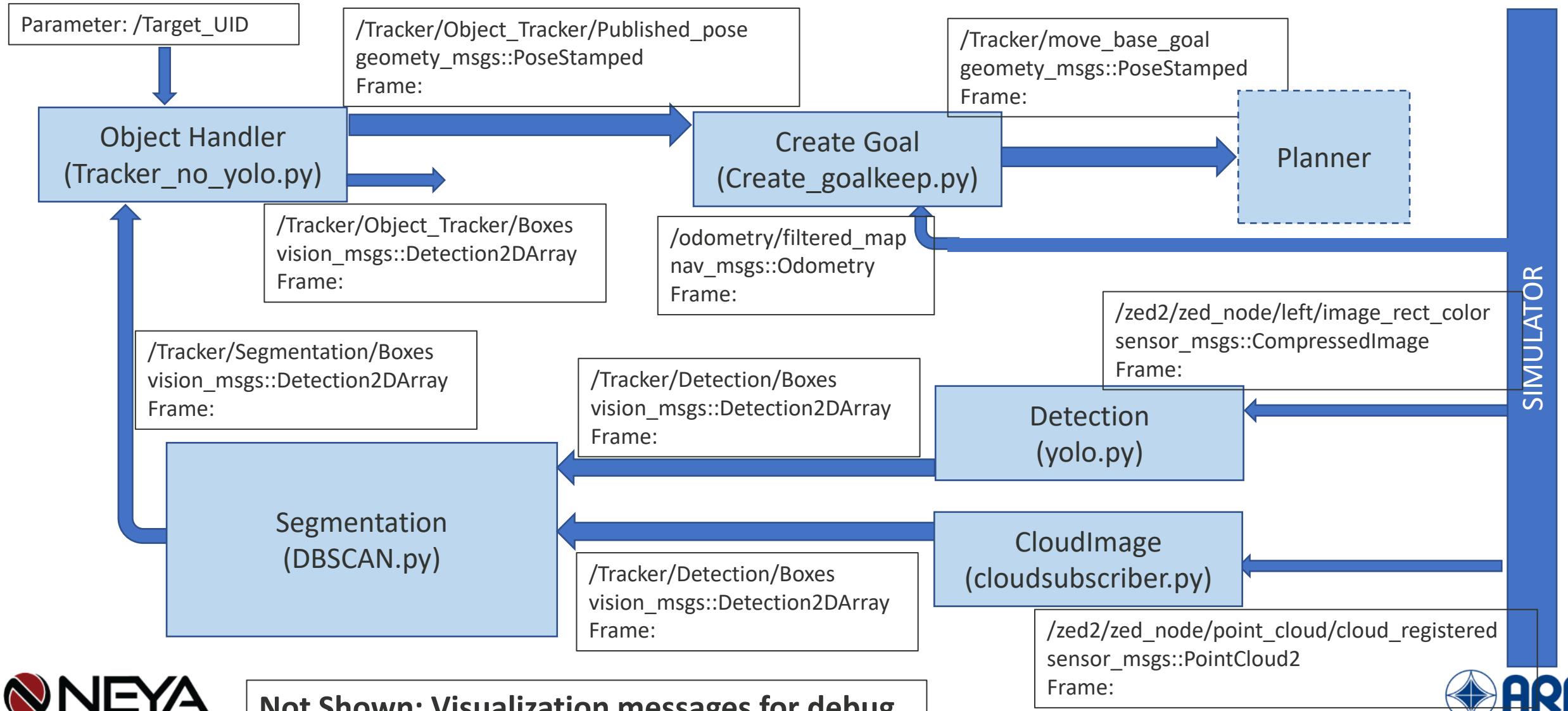
Not Shown: Visualization messages for debug

BACKUP SLIDES

NATO Autonomy Stack (Mississippi State)



Stereo Camera Tracker System (Aarhus)



Not Shown: Visualization messages for debug