



III Workshop 2024 - EMBM-VD



CONTEXT:

- Flight plan
- SARPAS
- MQTT Connection



Strategies and access rules



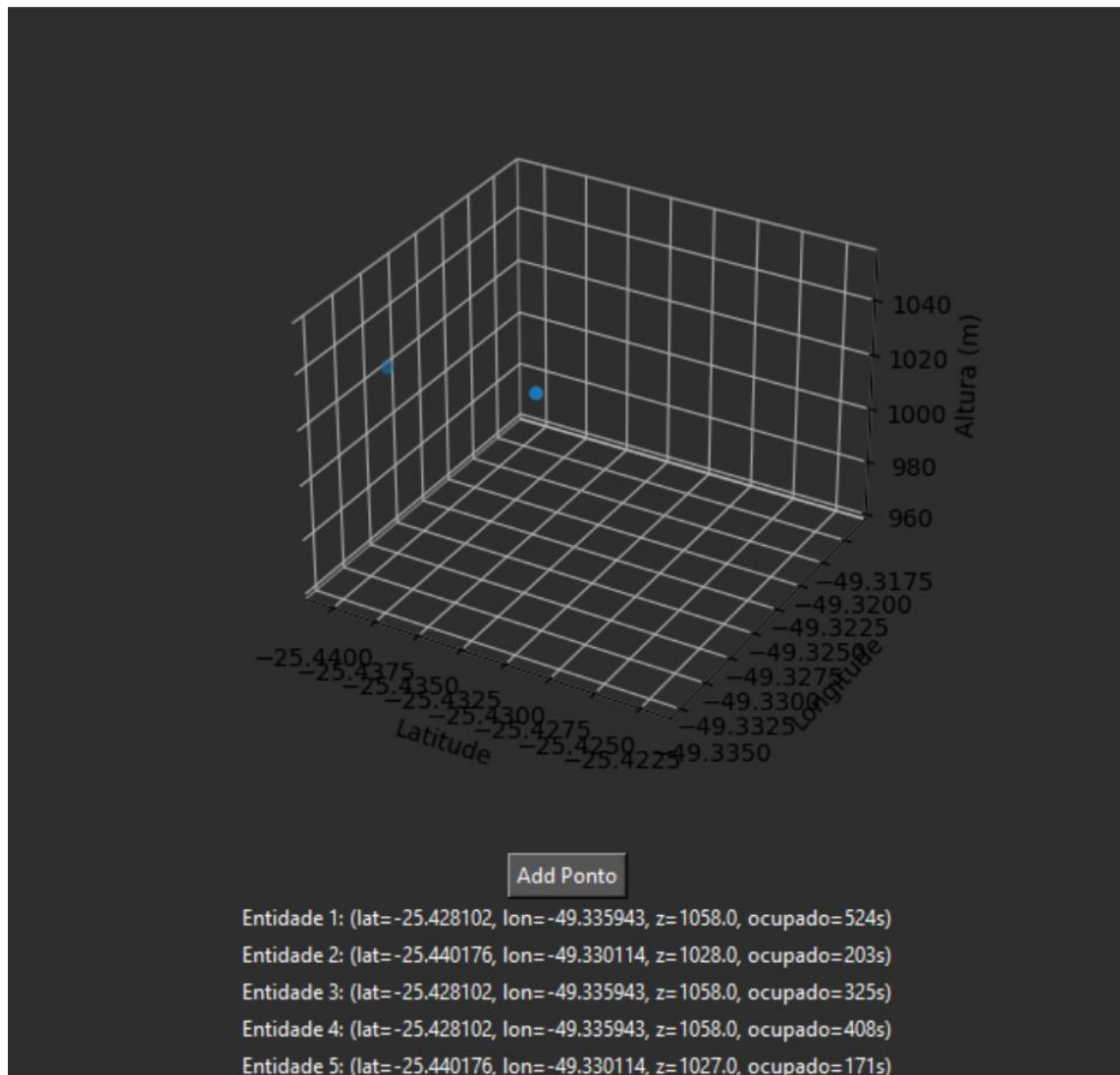
Flight Rules

- 100 m
- A* pathfinder
- SARPAS
- MQTT

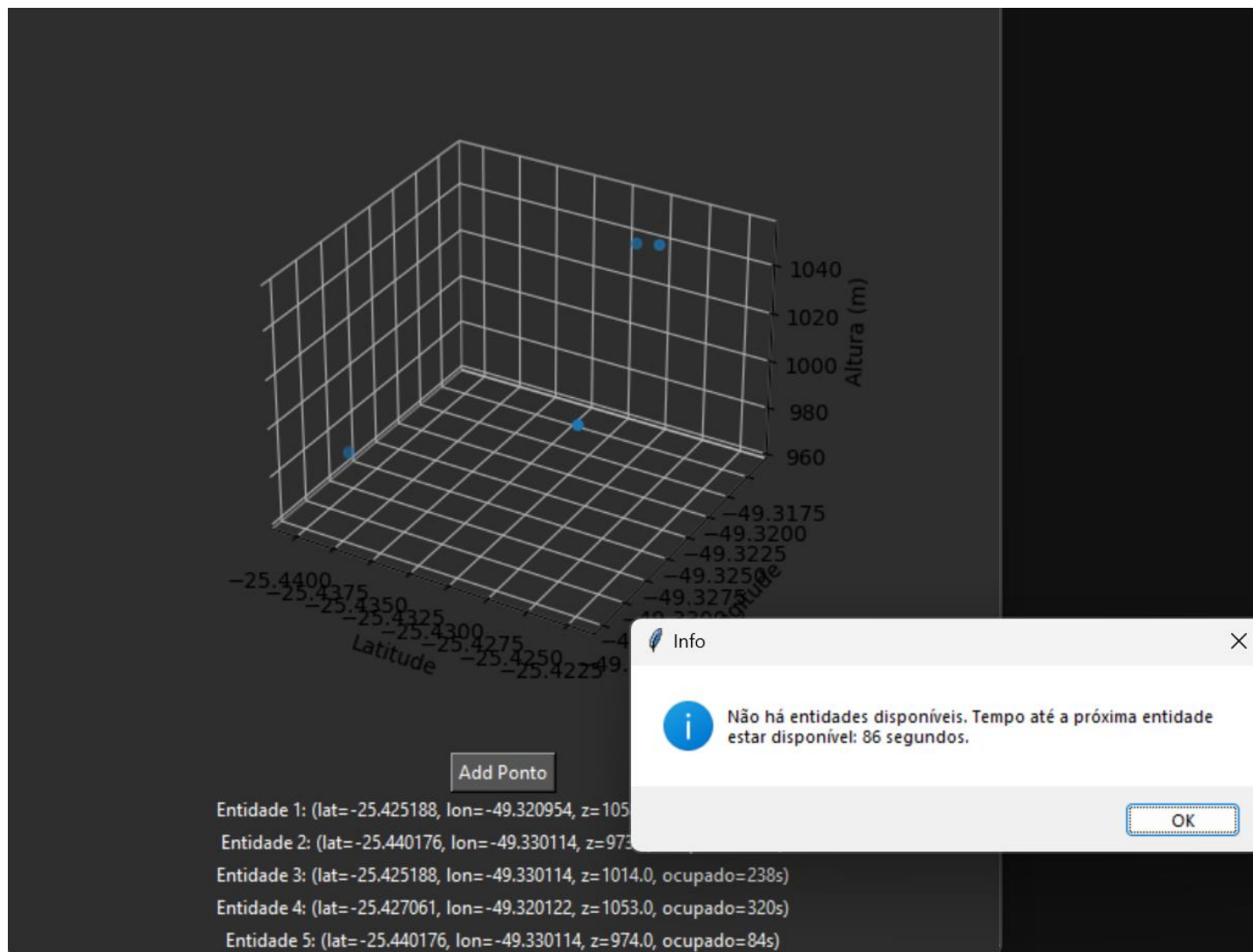


Function

Passo 1: lat=-25.441633, lon=-49.335943, z=959.0, t=12:24:05
 Passo 2: lat=-25.441633, lon=-49.335943, z=960.0, t=12:24:06
 Passo 3: lat=-25.441633, lon=-49.335943, z=961.0, t=12:24:07
 Passo 4: lat=-25.441633, lon=-49.335943, z=962.0, t=12:24:08
 Passo 5: lat=-25.441633, lon=-49.335943, z=963.0, t=12:24:09
 Passo 6: lat=-25.441633, lon=-49.335943, z=964.0, t=12:24:10
 Passo 7: lat=-25.441633, lon=-49.335943, z=965.0, t=12:24:11
 Passo 8: lat=-25.441633, lon=-49.335943, z=966.0, t=12:24:12
 Passo 9: lat=-25.441633, lon=-49.335943, z=967.0, t=12:24:13
 Passo 10: lat=-25.441633, lon=-49.335943, z=968.0, t=12:24:14
 Passo 11: lat=-25.441633, lon=-49.335943, z=969.0, t=12:24:15
 Passo 12: lat=-25.441633, lon=-49.335943, z=970.0, t=12:24:16
 Passo 13: lat=-25.441633, lon=-49.335943, z=971.0, t=12:24:17
 Passo 14: lat=-25.441633, lon=-49.335943, z=972.0, t=12:24:18
 Passo 15: lat=-25.441633, lon=-49.335943, z=973.0, t=12:24:19
 Passo 16: lat=-25.441633, lon=-49.335943, z=974.0, t=12:24:20
 Passo 17: lat=-25.441633, lon=-49.335943, z=975.0, t=12:24:21
 Passo 18: lat=-25.441633, lon=-49.335943, z=976.0, t=12:24:22
 Passo 19: lat=-25.441633, lon=-49.335943, z=977.0, t=12:24:23
 Passo 20: lat=-25.441633, lon=-49.335943, z=978.0, t=12:24:24
 Passo 21: lat=-25.441633, lon=-49.335943, z=979.0, t=12:24:25



Queue Time





MQTT

```
Heartbeat publicado para Entidade 1: {"uuid": "ccd74c64-390f-45e7-a11f-66bf225786a7", "name": "Entidade 1", "type": "1:1:2:225:50:127:1:2", "visual":  
"1:1:2:225:50:127:1:2", "owner": "python", "domain": "Controlled"}  
Heartbeat publicado para Entidade 2: {"uuid": "e3a1854a-8c43-4fdc-a0a2-5f1f43352bc1", "name": "Entidade 2", "type": "1:1:2:225:50:127:1:2", "visual":  
"1:1:2:225:50:127:1:2", "owner": "python", "domain": "Controlled"}  
Heartbeat publicado para Entidade 3: {"uuid": "54fa7aa7-6cbb-4190-93f7-3b6c746e5093", "name": "Entidade 3", "type": "1:1:2:225:50:127:1:2", "visual":  
"1:1:2:225:50:127:1:2", "owner": "python", "domain": "Controlled"}  
Heartbeat publicado para Entidade 4: {"uuid": "b8e5ffae-f22d-447f-965e-573ba6c44494", "name": "Entidade 4", "type": "1:1:2:225:50:127:1:2", "visual":  
"1:1:2:225:50:127:1:2", "owner": "python", "domain": "Controlled"}  
Heartbeat publicado para Entidade 5: {"uuid": "eaec691c-b4cc-4e91-80f9-ae90aa707128", "name": "Entidade 5", "type": "1:1:2:225:50:127:1:2", "visual":  
"1:1:2:225:50:127:1:2", "owner": "python", "domain": "Controlled"}  
Falha na conexão, código de erro: 5  
Kinematics publicado para Entidade 1: {'uuid': 'ccd74c64-390f-45e7-a11f-66bf225786a7', 'lat': -25.441633187443372, 'lon': -49.33594266719294, 'alt': 95  
8.0, 'time': '2024-08-29 12:23:17'}  
Kinematics publicado para Entidade 2: {'uuid': 'e3a1854a-8c43-4fdc-a0a2-5f1f43352bc1', 'lat': -25.441633187443372, 'lon': -49.33594266719294, 'alt': 95  
8.0, 'time': '2024-08-29 12:23:17'}
```



Final considerations

Questions/Comments?!



Centenaro@ita.br

joao.centenaro.101888@ga.ita.br