VTD demo xodr xosc分别导入Carla和Esmini

实验说明：

　　该实验旨在验证VTD的地图描述文件xodr以及场景描述文件xosc分别在esmini以及在carla中的兼容情况。

　　所选地图为：Germany_2018.xodr

　　所选场景描述文件为：DistanceTrigger_Relative.xosc （相对距离触发）

1. Esmini导入效果：

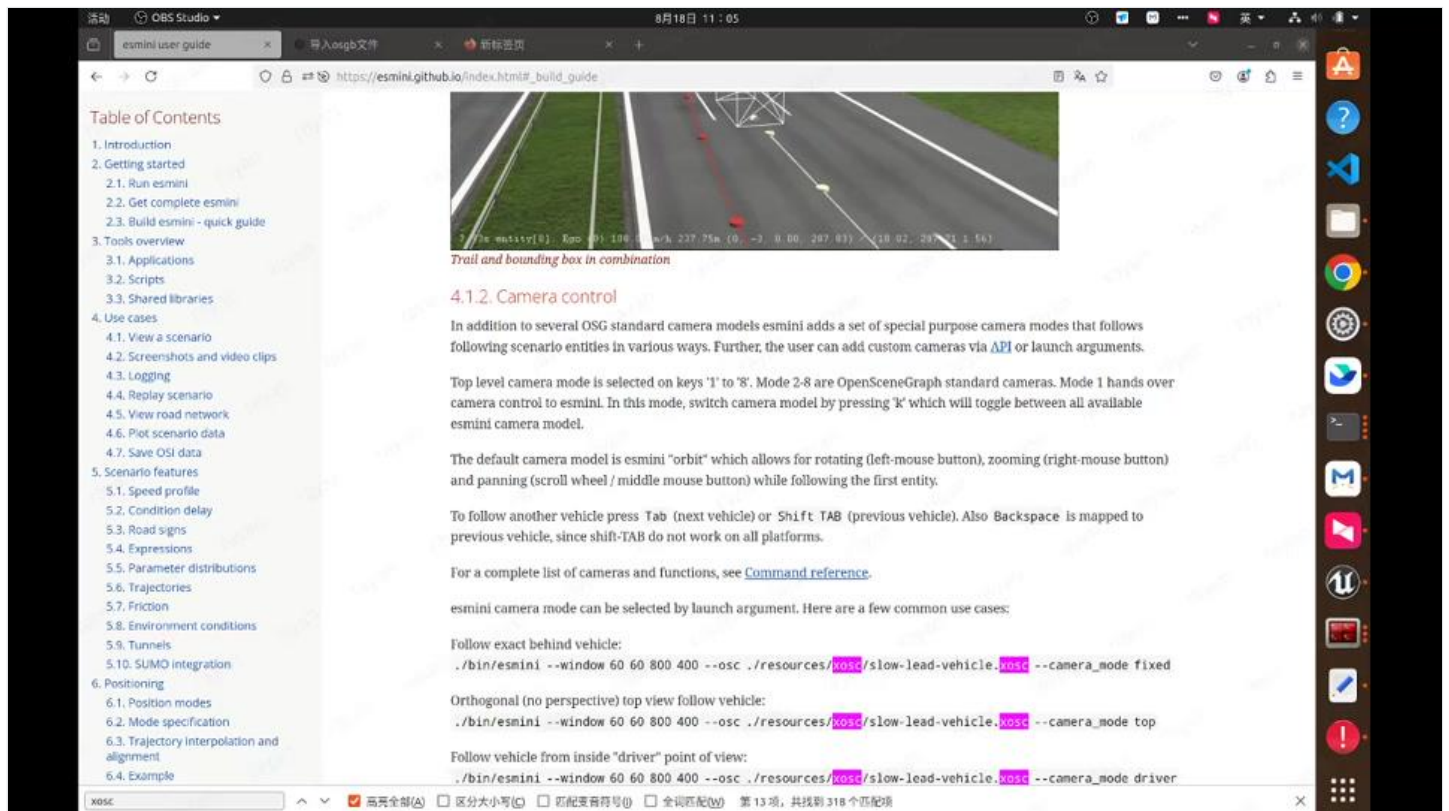xodr直接导入到esmini，虽然也有些建筑没有成功导入，但是车道线是正常导入的。
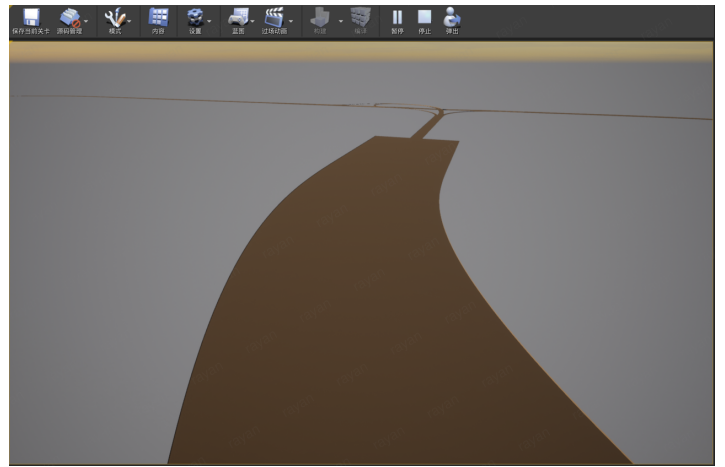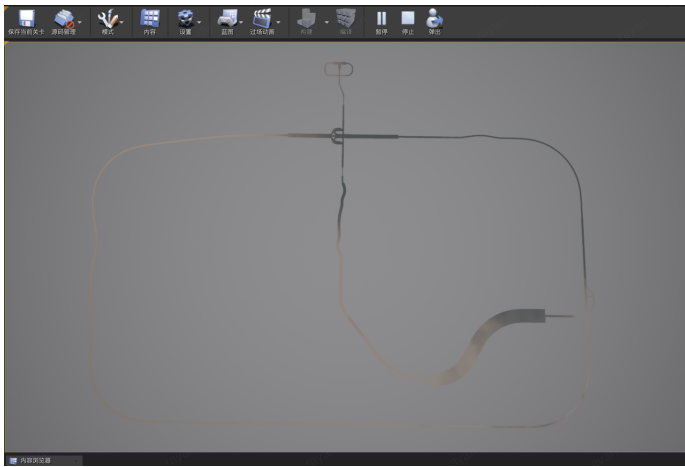

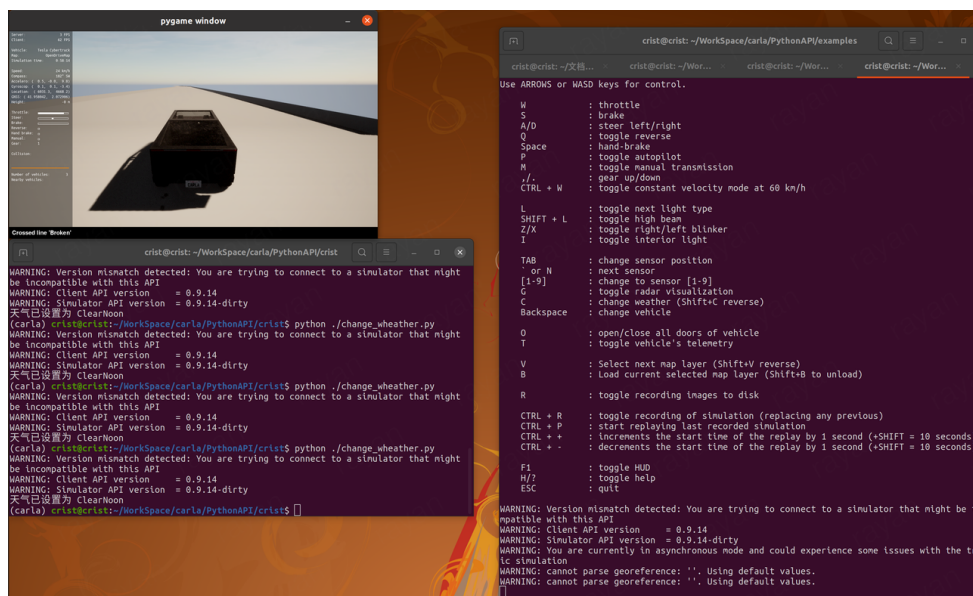2025-08-18 10-54-37.mp4
146.66MB

xosc导入到esmini中

2. Carla导入效果：

Xodr 导入效果：

Xosc 导入效果：

将VTD的demo xosc在scenario_runner-0.9.13中使用指令 python ./scenario_runner.py --openscenario /home/crist/homework/VTD_demo/DistanceTrigger_Relative.xosc运行场景运行成功，但是ego主车没有看到有在运动。

代码块

```
python ./scenario_runner.py --openscenario
/home/crist/homework/VTD_demo/DistanceTrigger_Relative.xosc --output
```

packaging.version instead.
  if LooseVersion(dist.version) < LooseVersion('0.9.12'):
WARNING:[SR:OpenScenarioConfiguration]: The /home/crist/homework/VTD_demo/Distros/Current/C
onfig/Players/Vehicles/VehicleCatalog.xosc path for the Vehicle Catalog is invalid
WARNING:[SR:OpenScenarioConfiguration]: The /home/crist/homework/VTD_demo/Distros/Current/C
onfig/Players/driverCfg.xml/ControllerCatalog.xosc path for the Controller Catalog is inval
id
WARNING: Version mismatch detected: You are trying to connect to a simulator that might be
incompatible with this API
WARNING: Client API version   = 0.9.14
WARNING: Simulator API version = 0.9.14-dirty
WARNING: cannot parse georeference: ''. Using default values.
WARNING: cannot parse georeference: ''. Using default values.
WARNING:[SR:OpenScenarioConfiguration]: No ego vehicles defined in scenario
Preparing scenario: Cut-In example
WARNING: Actor model Audi_A3_2009_black not available. Using instead vehicle.tesla.model3
WARNING: Actor model Audi_A3_2009_red not available. Using instead vehicle.tesla.model3
ScenarioManager: Running scenario Cut-In example

 ======= Results of Scenario: Cut-In example ---- SUCCESS =======

 > Ego vehicles:

 > Other actors:
Actor(id=122, type=vehicle.tesla.model3); Actor(id=123, type=vehicle.tesla.model3);

 > Simulation Information

Start Time	2025-08-18 17:22:09
End Time	2025-08-18 17:22:29
Duration (System Time)	20.51s
Duration (Game Time)	20.73s
Ratio (System Time / Game Time)	1.011s

 > Criteria Information

Actor	Criterion	Result	Actual Value	Expected Value
	Timeout (Req.)	SUCCESS	20.73	100000
	GLOBAL RESULT	SUCCESS		

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All scenario tests were passed successfully!
No more scenarios .... Exiting
(carla) crist@crist:~/WorkSpace/carla/scenario_runner-0.9.13$