



# ROS e Gazebo

Louise Poubel

 @chapulinaBR

Novembro 2021

 open  
robotics





# Louise Poubel

<http://louise.world>

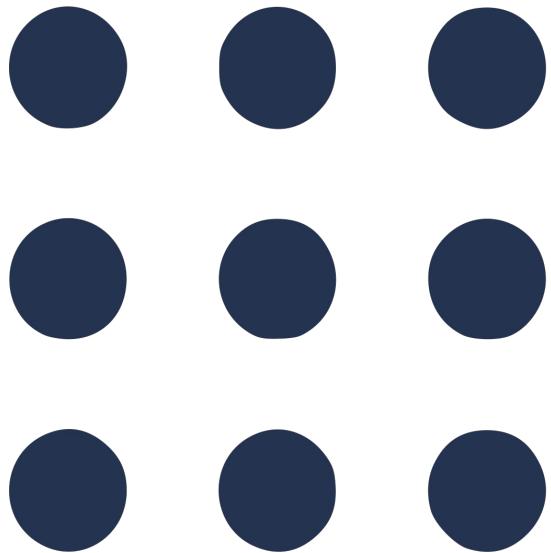
@chapulinaBR





The logo consists of the acronym 'ROS' in a large, bold, dark blue sans-serif font. To the left of the text, there is a vertical arrangement of nine dark blue circular dots. The dots are organized into three horizontal rows: the top row has three dots, the middle row has three dots, and the bottom row has three dots. This visual representation is reminiscent of a 3x3 matrix or a small grid of data points.

ROS



2

ROS

# ROLLING RIDLEY





# Comunicação



**laser**

**laser**

**rodas**

**seguir**

**laser**

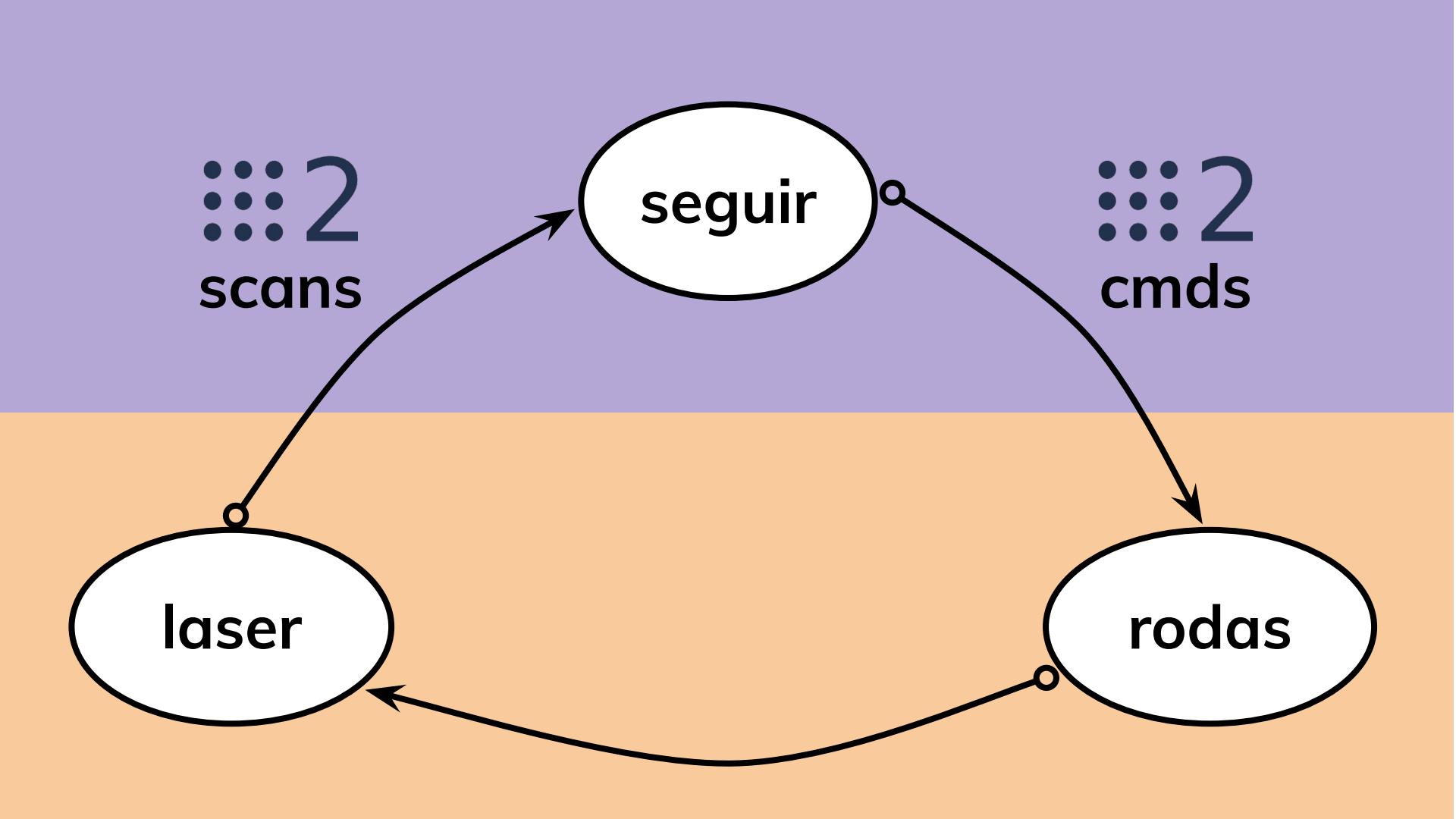
**rodas**

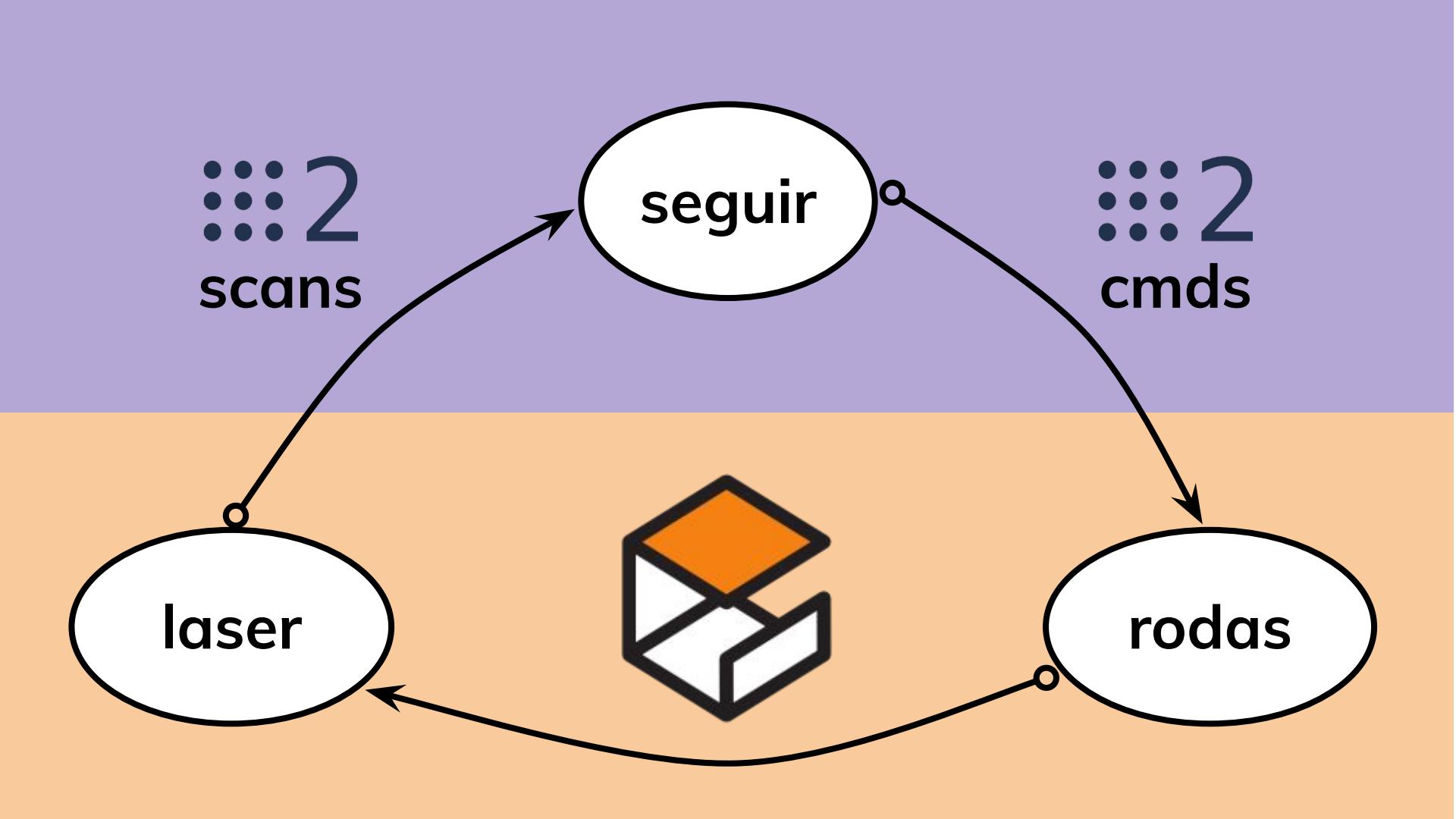
```
graph TD; seguir((seguir)) --> rodas((rodas)); seguir --> laser((laser)); laser --> seguir; rodas --> laser;
```

seguir

laser

rodas







# Ferramentas



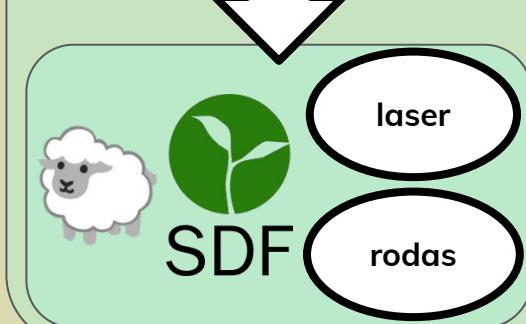
# ROS Launch

# ROS Launch



# ROS Launch

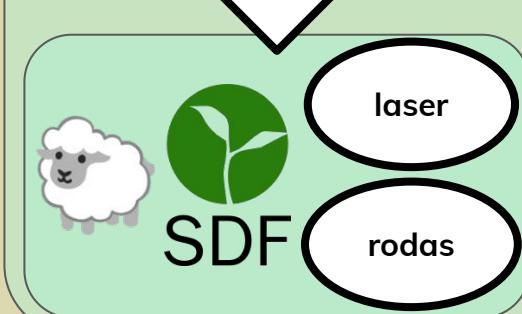
criar



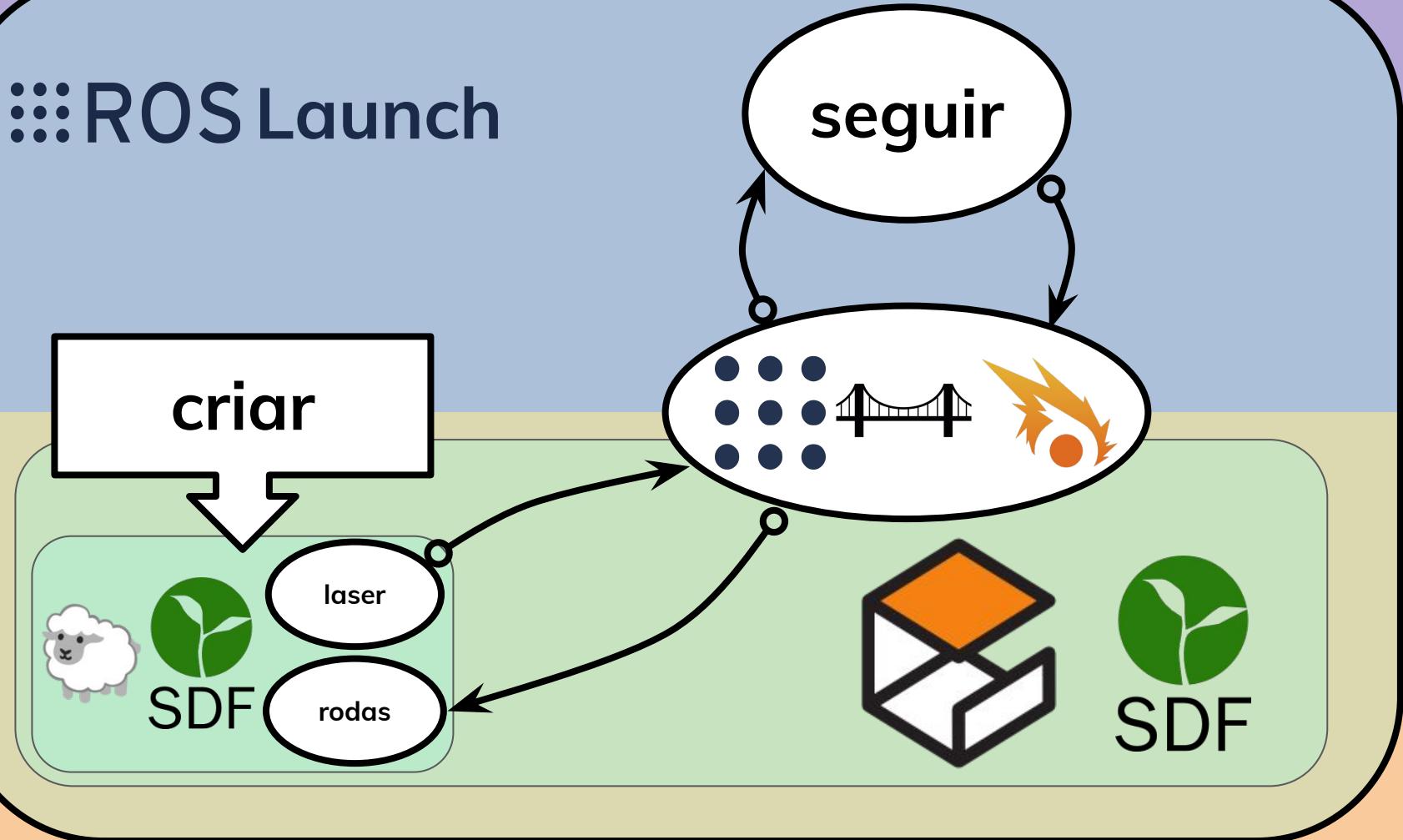
# ROS Launch

seguir

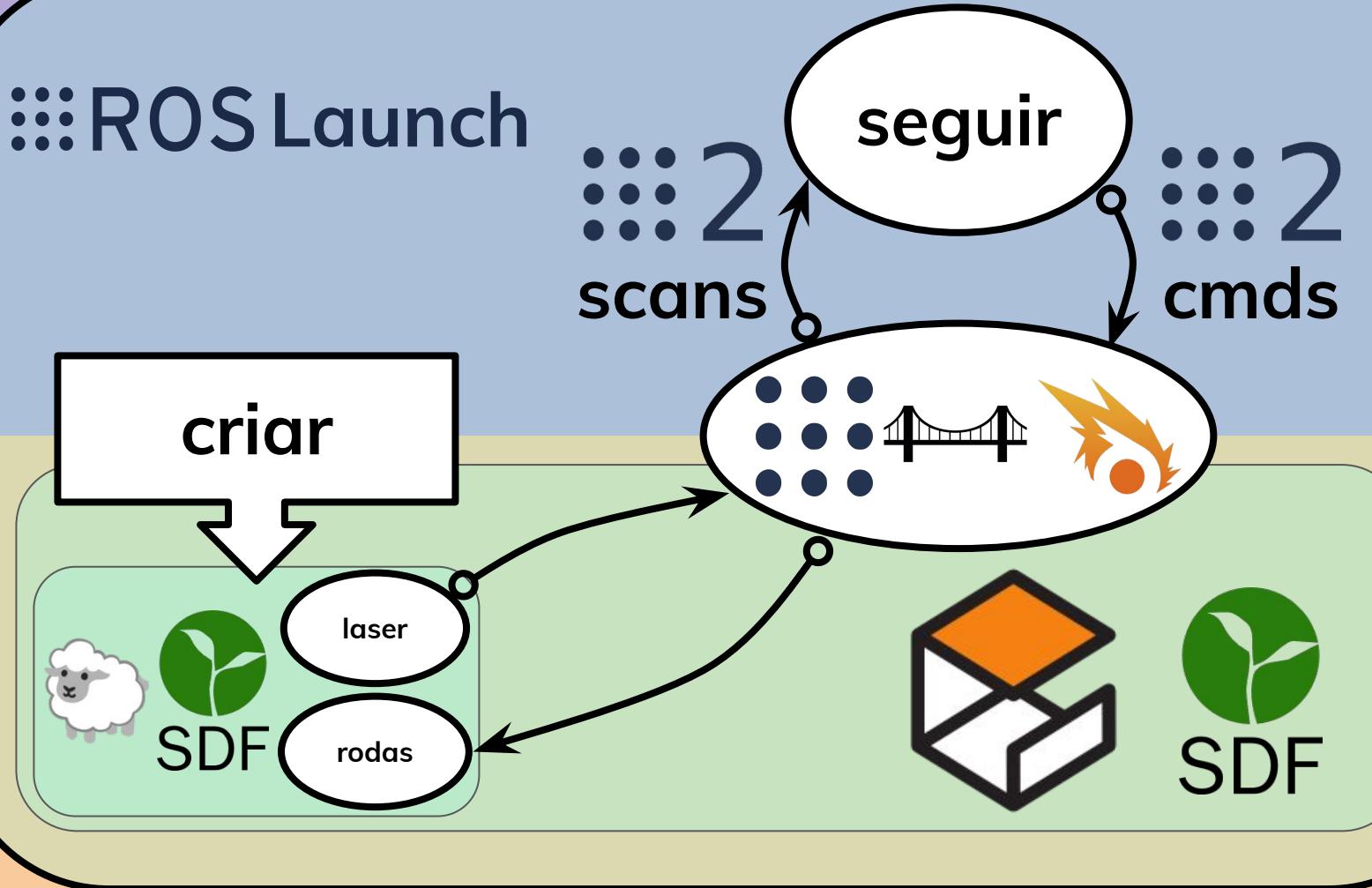
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# ROS Launch



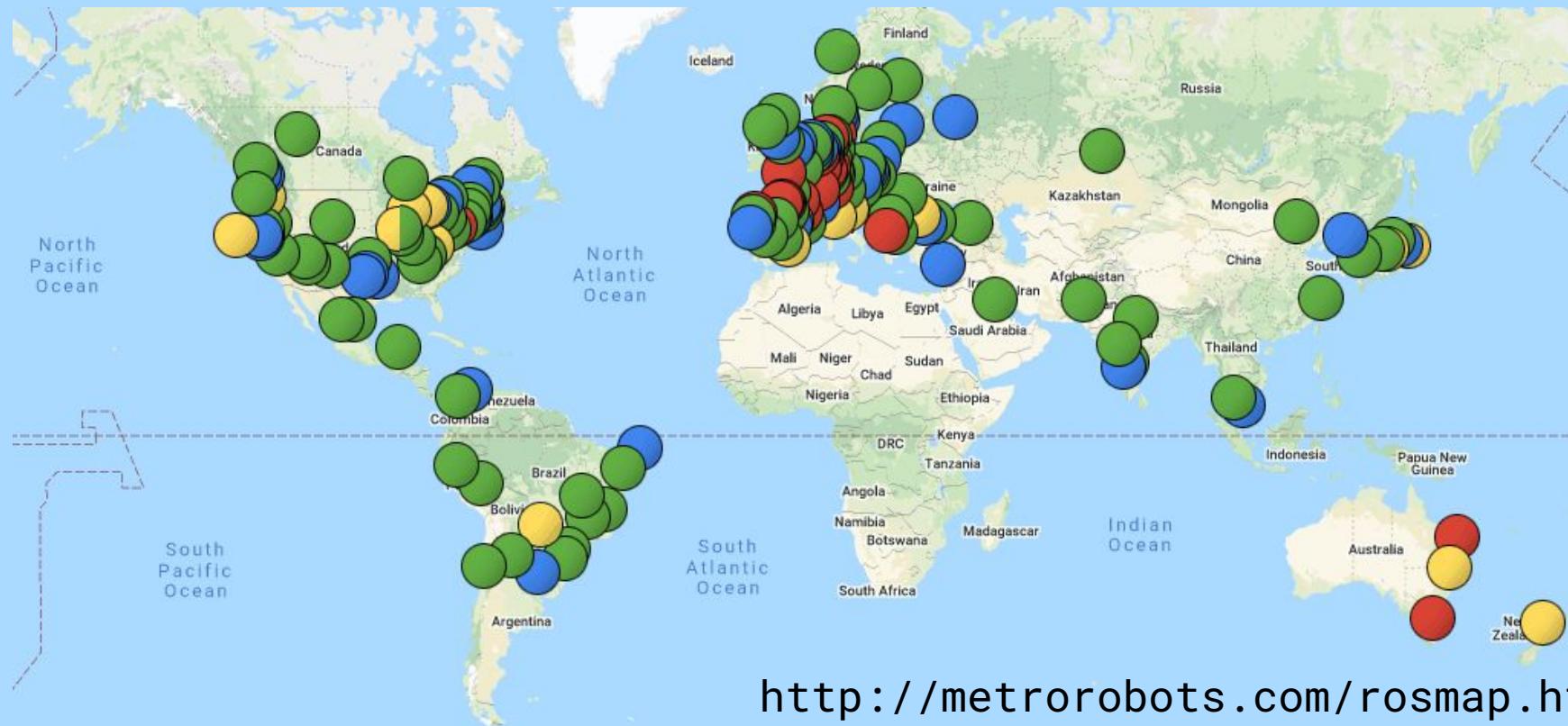
# ROS Launch





# Habilidades

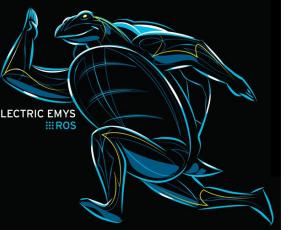
# Ecossistema



<http://metrorobots.com/rosmap.html>

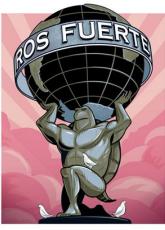


Box Turtle

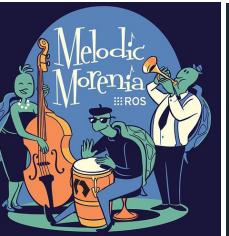


ELECTRIC EMYS

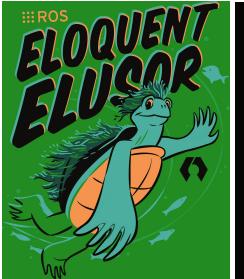
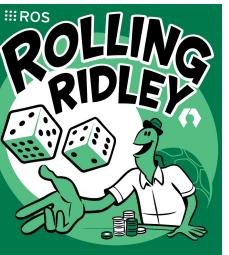
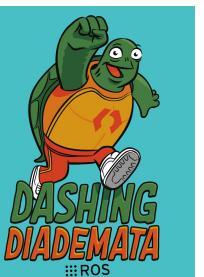
ROS



1



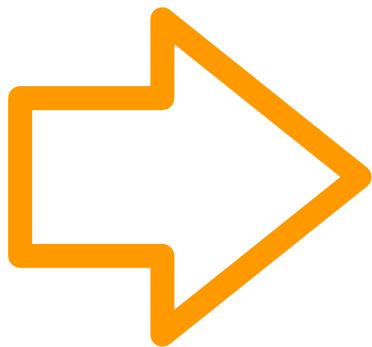
2







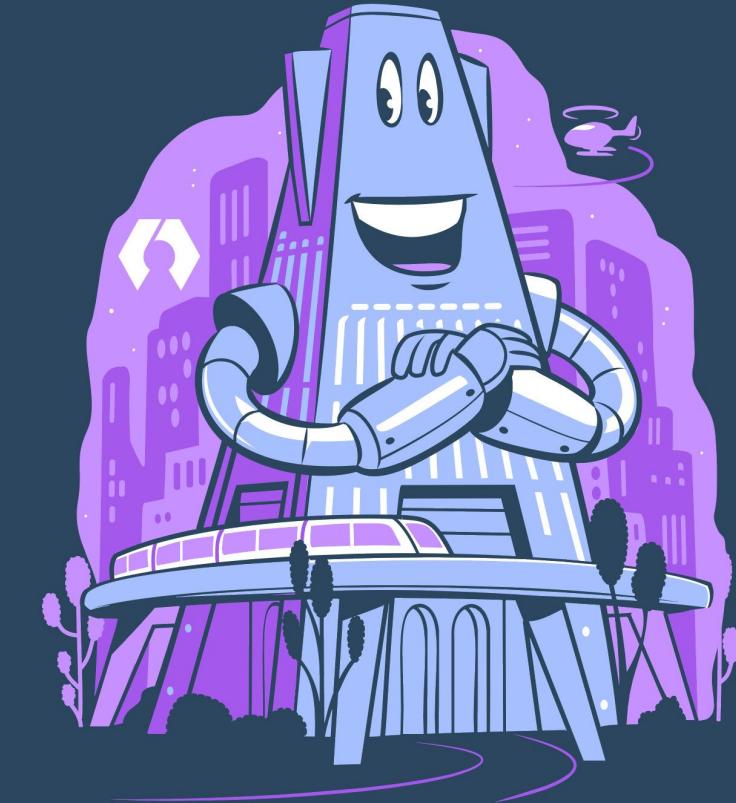
GAZEBO  
CLASSIC

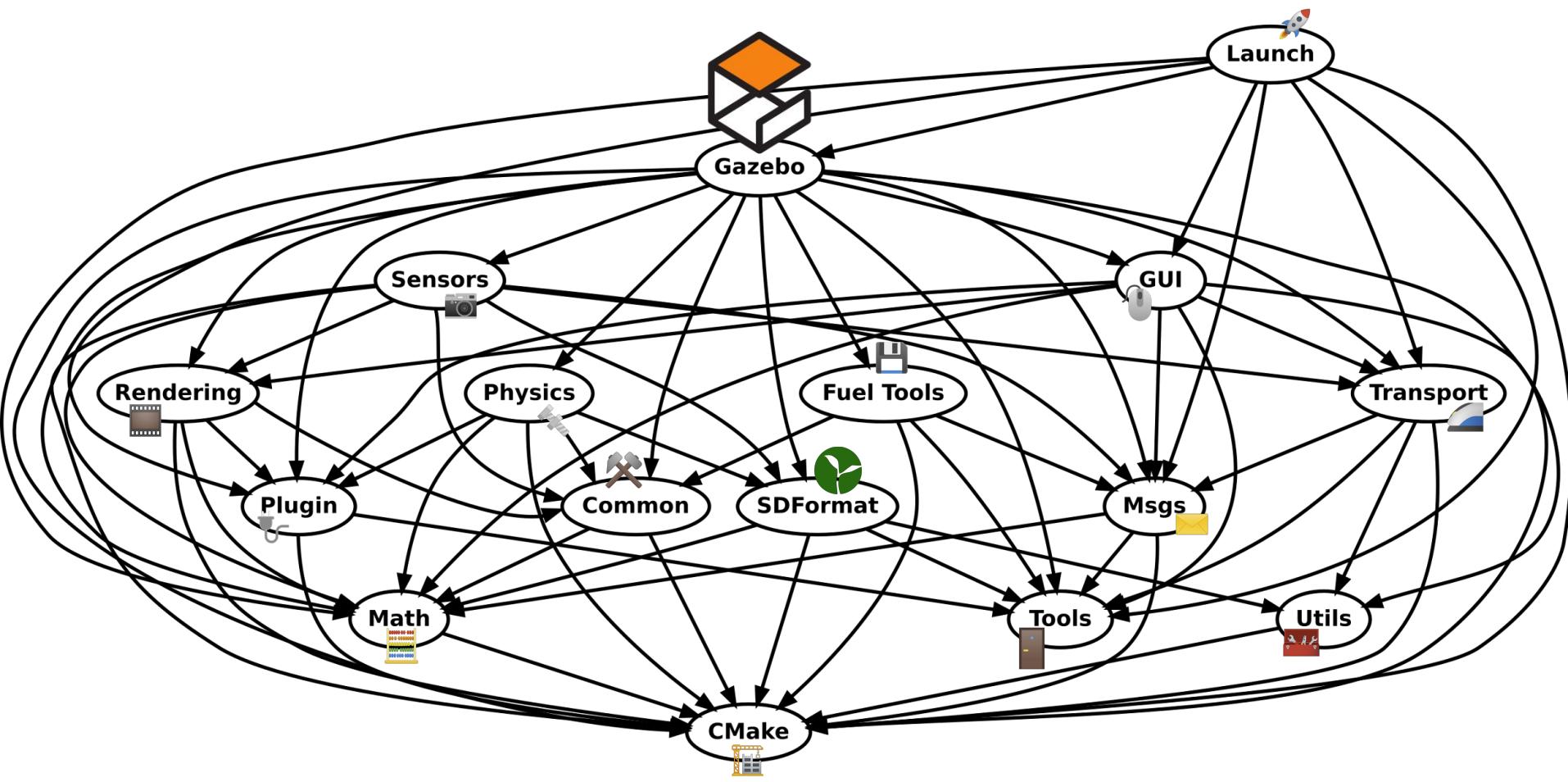


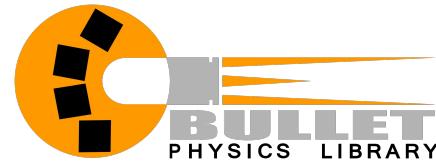
IGNITION  
GAZEBO



# IGNITION FORTRESS







• • •



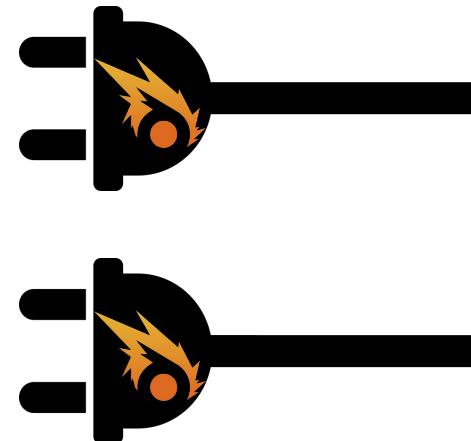
<https://ignitionrobotics.org/libs/physics>

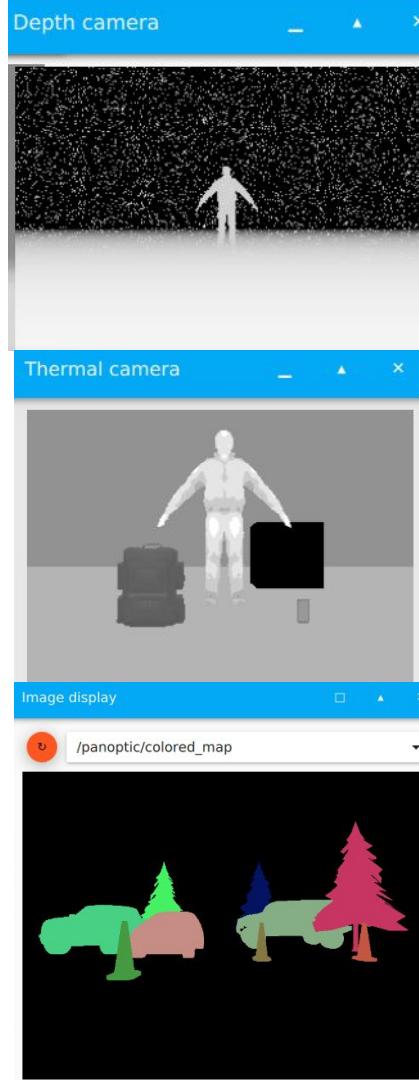


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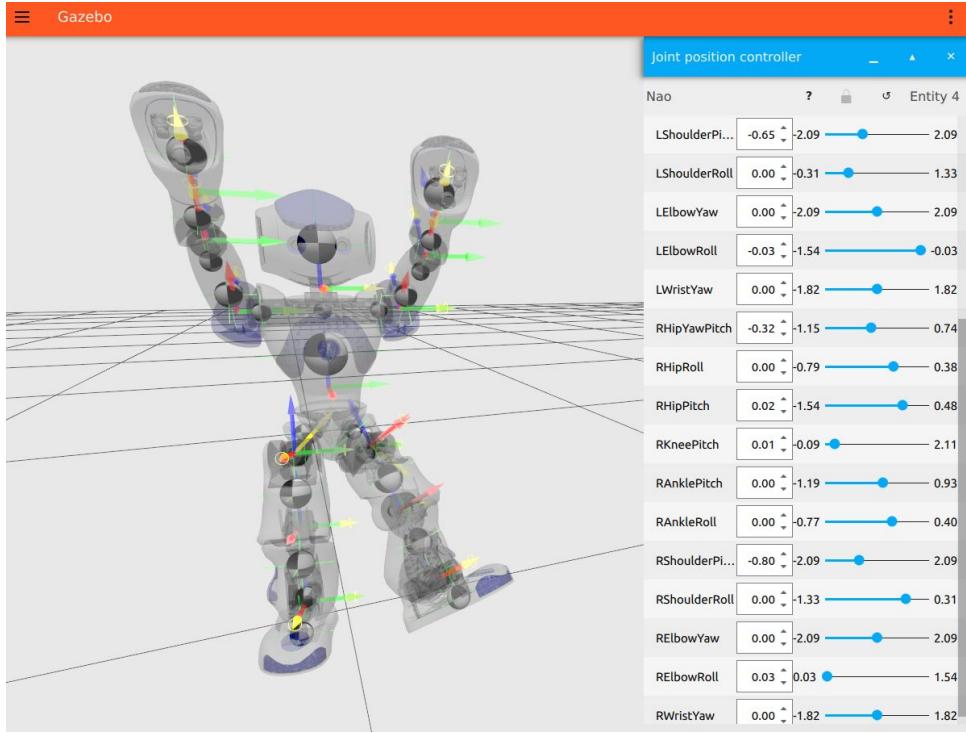


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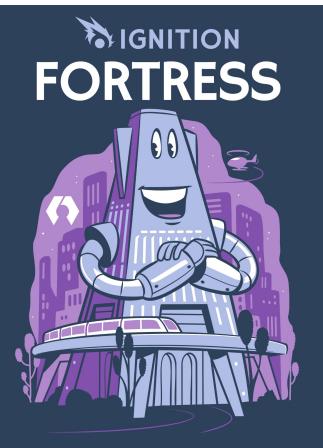
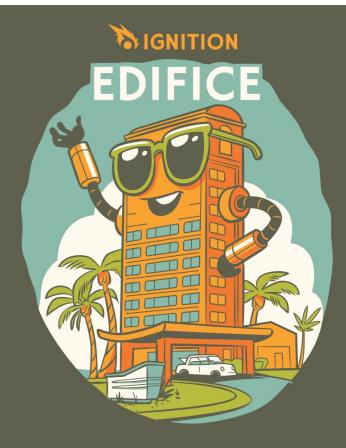
<https://ignitionrobotics.org/libs/sensors>



<https://ignitionrobotics.org/libs/gui>



# IGNITION



# CLASSIC



2020    2021    2022    2023    2024    2025

Gazebo 9

Gazebo 11

Citadel

Dome

Edifice

Fortress

Garden

hoje

Ign-H



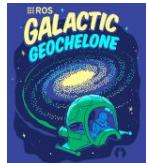
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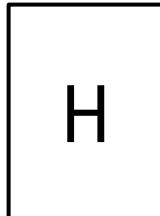
Noetic



Foxy



Galactic



Humble

Citadel



Dome



Edifice



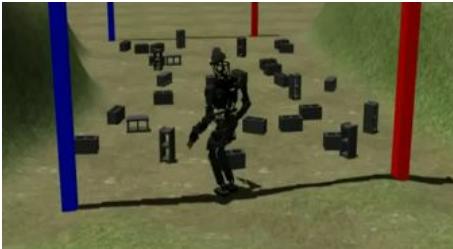
Fortress



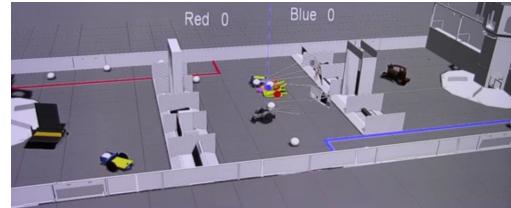
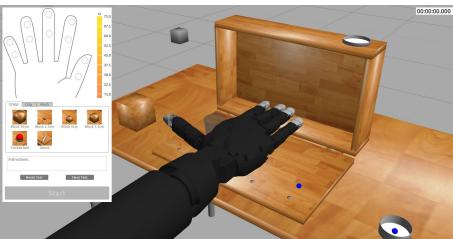


app.ignitionrobotics.org

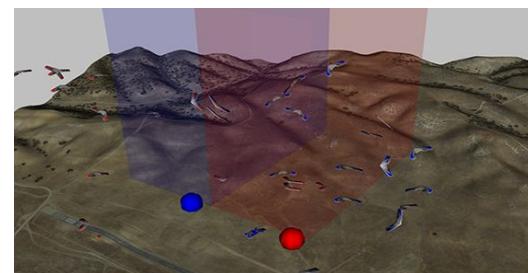




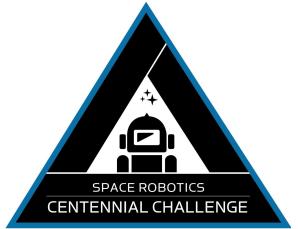
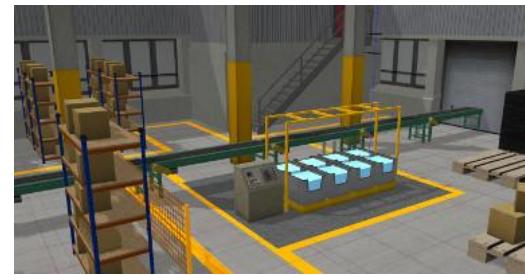
HAPTIX



SASC



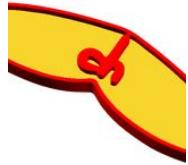
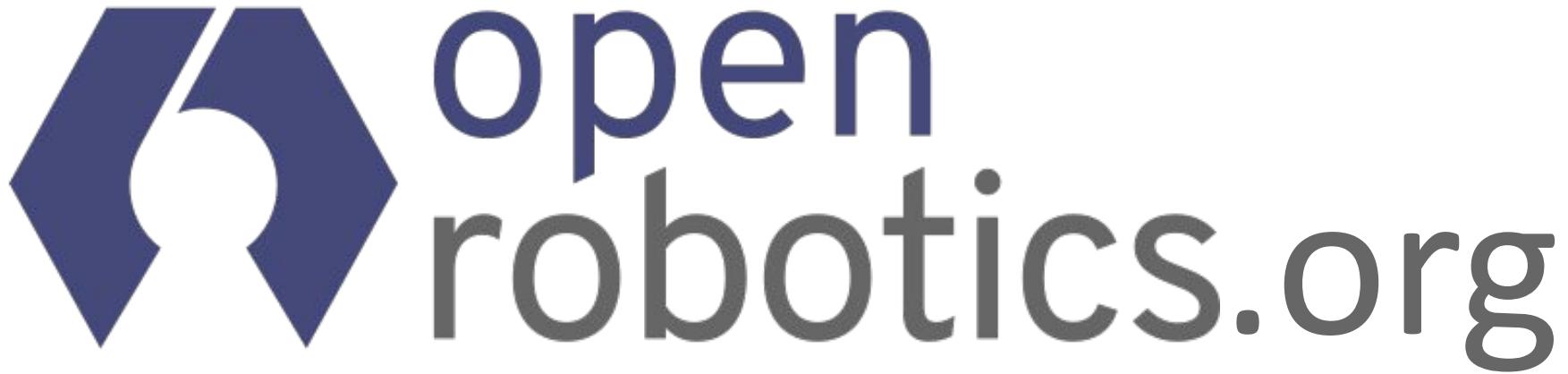
ARIAC



DARPA  
SUBTERRANEAN  
CHALLENGE







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