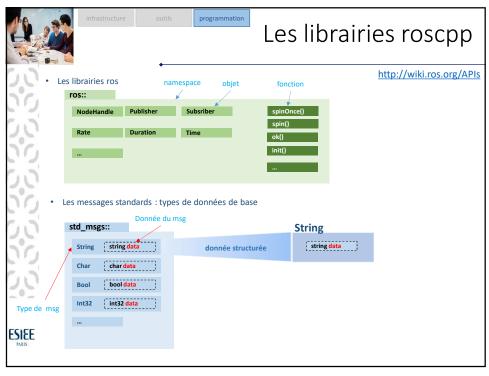
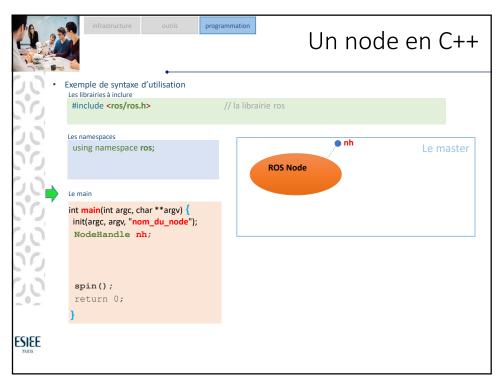
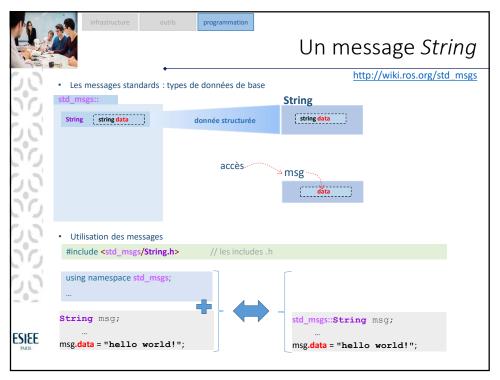


CRÉER DES APPLICATIONS ROS

ESIEE 2







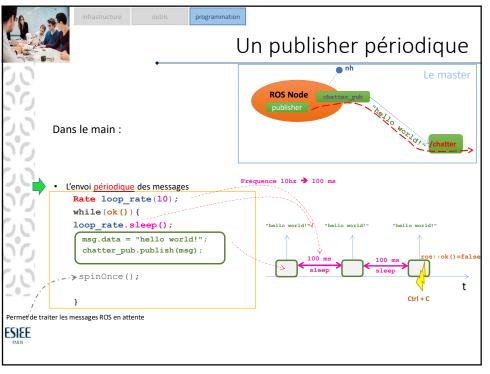


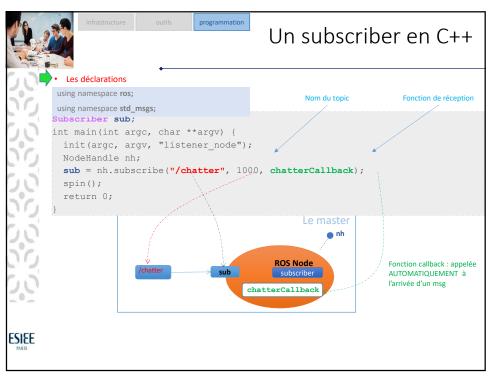


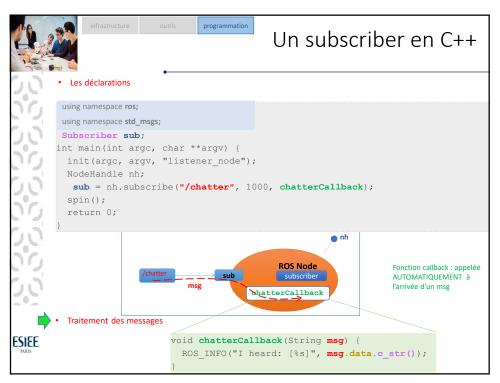
/

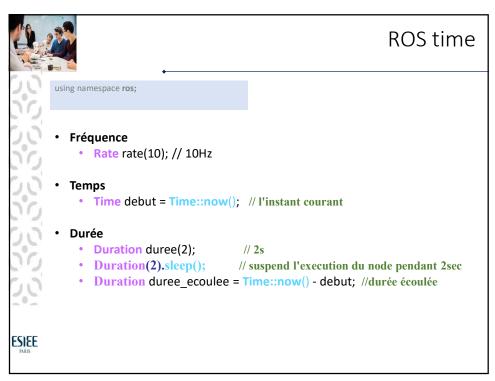


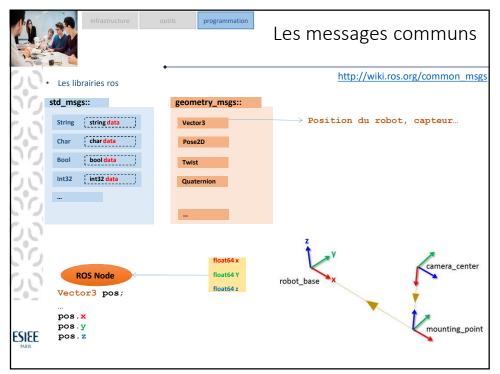


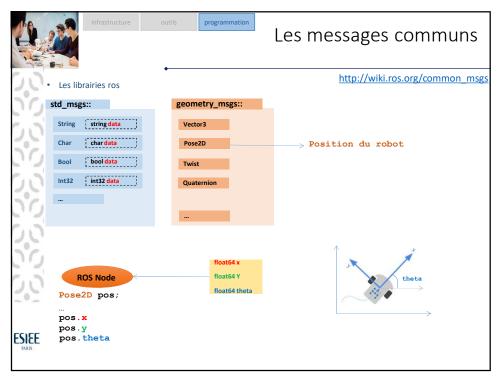


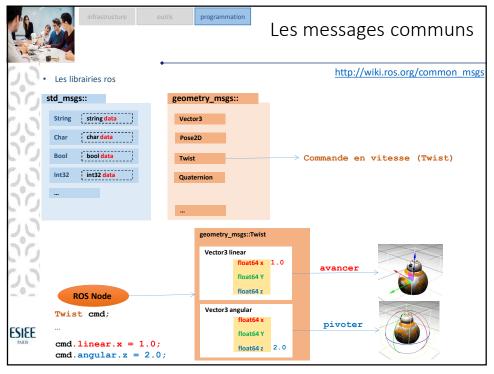


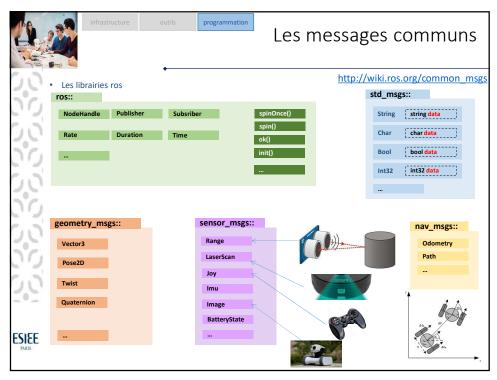












```
#include <ros/ros.h>
#include <ros/ros.h>
#include <ros/ros.h>
#include <ros/string.h>

using namespace ros;
using namespace std_msgs;
Publisher chatter_pub;

int main(int argc, char **argv) {
    init(argc, argv, "publisher_node");
    NodeHandle nh;
    String msg;
    chatter_pub = nh.advertise<String>("/chatter", 1000);
    Duration(1).sleep();
    Rate loop_rate(10);

while (ok()) {
    loop_rate.sleep();
    msg_data = "Hello !";
    ROS_INFQ("Publisher : %s", msg.data.c_str());
    chatter_pub.publish(msg);
    spinOnce();
    }
    return 0;
}
```

```
#include <ros/ros.h>
#include <std_msgs/String.h>
using namespace ros;
using namespace std_msgs;
Subscriber sub;

void chatterCallback(String msg) {
ROS_INFO("Chatter Listener: I heard: [%s]", msg.data.c_str());
}
int main(int argc, char **argv) {
init(argc, argv, "listener_node");
NodeHandle nh;
sub = nh.subscribe("/chatter", 1000, chatterCallback);

spin();

FSIEE
return 0;
}
```

**ROSSERIAL - ARDUINO** 

