

UML Class Diagram - Frontier Exploration

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Explorer

- n_: ros::NodeHandle
- sub_: ros::Subscriber
- pub_: ros::Publisher
- frontierPoints_: vector<bool>
- frontiers_: vector<double>

- processOccupancyGrid (nav_msgs::OccupancyGrid): void
- detectFrontierPoints(): vector<bool>
- updateFrontiers(vector<bool>): void
- navigateToFrontier(vector<double>): void
- explore(): void