

## What?

Science, mopeds  
(manned/unmanned)

## Where?

Other earth like planets  
(suitable for rovers/drones)

**Problem:**  
Mapping in the  
absence of  
external  
technology

## Who?

Humans in whole,  
scientists and  
engineers making the  
plans

## When?

Before exploration  
Before settlement

## Why?

- \* Lack of Global positioning system (GPS)
- \* Lack of reference points
- \* No maps / need for more detailed 2D/3D maps
- \* Safety for later visitation of humans/other things

## How?

Higher risk of failure for uncertainty