# INTERNSHIP DESCRIPTION

## GENERAL INFORMATION

**Internship tutor**: Benjamin HOURTE

**Incumbent**: *To be defined*

**Daily supervisor:** Benjamin HOURTE

## COMPANY DESCRIPTION

EarthLab Luxembourg S.A. is a startup company founded in June 2015 delivering solutions.to various actors of the “risk” ecosystem: Insurance, Large Industries… In particular, EarthLab Luxembourg has developed a platform called Max-ICS enabling the easy and efficient implementation of data-oriented treatment applications using Big-Data and Deep Learning technologies.

## MISSIONS AND RESPONSABILITES

### Missions

- Participate in Max-ICS platform development, particularly on creating tools for big data polling (Satellite images, weather data, cameras images…).
- Integrates these tools into Max-ICS “Market place”
- Participate in creation of libraries to facilitate data polling and access. These libraries will be reusable among created tools and new ones.

### Details of the mission

Created tools will be written in Python and will have a specific purpose (polling weather data, satellite images, cameras images, …).
Recurrent code will be extracted into separated Python libraries for an easy reuse among Max-ICS tools and for internal use.
Created tools will need to be registered into the Max-ICS “Market place” (using a RESTful API) which is a place allowing end-users to easily get created tools for using them among their own application.

## EXPECTED COMPETENCIES

### Expected competencies

- Base knowledges of Python language
- Base knowledges of git
- Some knowledges of HTTP RESTful architecture

## INTERNSHIP POSITION DETAILS

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|---|---|
| Dates: | *To be discussed* |
| Duration: | *To be discussed* |
| Location: | EarthLab Luxembourg offices – 49, rue du Baerendal Mamer |
| Compensation: | *To be discussed* |