



Company / Organisation Name:	HERE Technologies
Team / Department:	Spatial Data Analytics & Engineering
Address:	Eindhoven, the Netherlands

Provisional title for project:

Location data intelligence story telling about marine transport and port(s) in England.

Short description of the problem that would be addressed by the project:

Transport data analytics increasingly power mobility information about all transportation modes. Moreover, (mobility) data analysis and trends improve logistic services. That's why we would like a student to tell the data story about marine transport and spatial data intelligence by focusing on selected port(s) locations in England.

Below are sample questions to trigger the project scope:

What are the relations between shipping schedules and traffic around port(s) location?

How does the weather influence the marine traffic?

What trends can be identified by data analysis?

Can we identify the likelihood of future outcomes of marine traffic based on available datasets?

Short description of the data sources that would be used in the project, and how they would be used

- open data
- HERE API available in <https://developer.here.com/>

Would any work by the student need to be carried out on site at the Company (with the exception of supervisory Meetings)?

No

Any issues of data confidentiality and IPR that would need to be resolved

No, this project will use open data and if needed datasets available in <https://developer.here.com/>
Open dataset examples: Historical Vessel Data (if available), Open Historical ports data, shipping schedules

Essential skills

- Data processing/combining multiple source data and extracting meaningful information.
- Storytelling with data
- Familiar with Open Data and web-scraping
- Documenting and presenting your work

Desirable skills

- Positive attitude to tackle new challenges.
- Experience using HERE API's is a plus.

Preferred degree programmes (if any)

A program with Geographic Data Science, Data Science, GIS

Preferred selection method

Online interview

Support and training offered by the company

Online meetings every two weeks

Financial assistance offered by the company

500 GBP

Any other comments

By the end of the project student will present the result of the research with HERE audience.

We are open to discuss the project scope with a student and academic supervisor to align to university research requirements and project complexity.

If there are any questions about the 2023 programme, please contact Richard Arnold at richard.arnold@ucl.ac.uk