

<b>Names of Applicant Companies</b>	1- Scientific Center for Health (SCH) 2- Kaeyros Analytics SARL (Kaeyros)
<b>Project Title</b>	DATA ANALYTICS CONSULTING SERVICES (DACS)
<b>Reference Priority</b>	Education and Good Governance through Data

## 1. Project Leaders Personal Details

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### 3. Project Background

More than 700 doctoral theses were defended between 2000 and 2012 at the University of Yaoundé 1 which represents an annual average of around 5 to 6 theses per year in this institution. A simple and naïve extrapolation would lead to an approximative amount of 50 theses for all the 11 official universities on the cameroonian territory. A further estimation including Master Theses would easily lead to a yearly average of more than 150 to 200 theses in the university ecosystem Cameroon's.

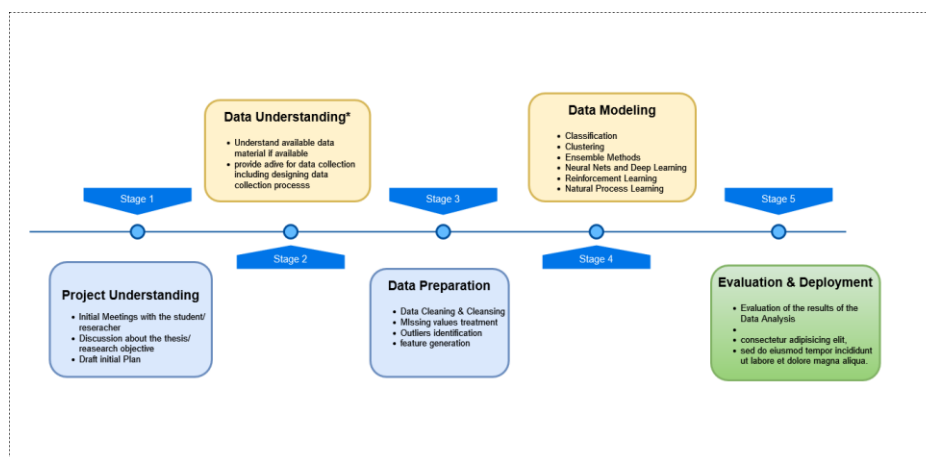
In the era of digitalization and digital transformation which impacts all areas of industrial and industrializing societies, far more than 95% of scientific works including master or doctoral theses require more than often complex analysis of structured and unstructured data.

Despite a few courses that they have along their curriculum, students have a lot of difficulty during their thesis work with the collection, analysis, interpretation of data and communication of results and many theses do not reach their full potential.

### 4. Project Objectives and Activities

The main objective of this project is to provide students and researchers with a high-quality expertise in the field of Machine Learning, Big Data and Artificial Intelligence and support them with all data related works for their theses or research activities.

From a concrete point of view the offer of the Data Analytics Consulting Services will comprise diverse activities and follow the process described below:



The project

### 3. Project Details

In Cameroon, according to the catalogue of doctoral theses defended at the University of Yaoundé 1 between 2000 and 2012, 719 theses were defended in three faculties, despite numerous financial and other difficulties. However, 85% of these theses require specific analyses, such as data analysis, which has a major impact on the quality of the thesis. Poor knowledge of data analysis distracts the researcher from the body of the thesis.

Despite the academic requirements, it has been observed that many African students, and in Cameroon in particular, feel at a loss when it comes to designing, producing and writing their master's thesis or doctoral dissertation. They're worried, because most of the time they're not equipped to deal with data collection and analysis properly. A team of Machine Learning and data consulting services will provide research students with tools for "Good Understanding, Good Assessment" of the data collected.

This project aims to help any Masters or PhD student to have access to a competent data analytics team in order to obtain appropriate results. Thus, any student resident in Cameroon, regularly enrolled in a university institute, essentially those in the process of writing their master's or doctoral thesis. The scale of the task and the complexity in terms of lack of support, funding and, above all, data collection and competent data analysis specialists discourage them.

#### 4. Project Aim and Activities

##### a) Project Aim

Providing specialized expertise and support, such as machine learning and data consulting, to students working on their theses.

##### b) Activities

Actions or activities to be implemented:

- ❖ Draft the partnership contract with GIZ,
- ❖ Draw up partnership contracts with university institutes,
- ❖ Set up the management team (administrative and financial),
- ❖ Develop student identification register (digitalization).

#### 5. Role of the Project Team and Partners in the project

- ❖ **Kaeyros Analytics:** project development, administration and set-up of the data scientist and machine learning team (hardware: computers, premises);
- ❖ **SCH:** project development and administration (materials:didactics, vehicle);
- ❖ **GIZ:** two-thirds of the company's finances;
- ❖ **L'étudiant:** it brings in a third.

#### 6. Benefit and Relevance for DACS

- ✓ Improved quality of dissertations and theses with more reliable results representative of the study population;

- ✓ High-quality published articles to improve the quality and quantity of new ideas for efficient knowledge.

## 7. Expenses/Budget plan

	Cost	Description	Number of Unit (Persons, Day, Night, and Item	Price per unit	Total cost
1	Training Materials	Data governance multiplication mate- rials			
2	Machine learning				
3	Data analysis	Data scientist			
				Total Cost	