Almost nobody knows the basic global facts!

Gapminder Foundation is a non-profit venture, that promotes sustainable global development and achievement of the United Nations Millennium Development Goals by *increased use and understanding of statistics and other information about social, economic and environmental development at local, national and global levels*. Trendalyzer, also known as gapminder, is an information visualization tool for animation of statistics initially developed by Hans Rosling's Gapminder Foundation in Sweden.

In this project you will learn how to use the Gapminder tool in order to gain an increased understanding on a basic world fact of your choice. A different subject for each group! The recommended group size is four to five students. The project consists of two parts.

PART I

1. **How well do you know the basic world facts?** Take the Gapminder test at https://www.gapminder.org/ The test is available in English and in Italian. Which correct answer surprised you most? About which world fact has your group the largest knowledge gap?

2. **Get to know the Gapminder tool**. Access it at https://www.gapminder.org/tools/#_chart-type=bubbles . Click on the 'How to use' tab at the top, watch the demo video, read the **pdf guide** and learn how to use the Gapminder tool. Try it out. What is your favourite mode of visualization/chart? Mountains, bubble maps, trends, ranks or others? And why?

3. Check out some of the best **Ted talks** by Hans Rosling based on Gapminder https://www.ted.com/playlists/474/the_best_hans_rosling_talks_yo You may want to review your answers to the previous points.

4. Watch the videos in the bottom half page of https://www.gapminder.org/tools/#_chart-type=bubbles to learn on what is based the forecast that by the end of the century, there will be around **11 billion people in the world**. What else did you learn from those videos?

PART II

5. Now it is time to be creative. Using Gapminder develop a fact-based worldview on a **subject of your choice**. Choose appropriate variables to learn about your chosen subject. You may want to start from the interactive bubble charts at https://www.gapminder.org/tools/#$chart-type=bubbles and select different variables on the x and y axes.

6. If your chosen topic has been dealt with on the Gapminder website, then compare your findings.

7. If possible, compare and integrate, validate or disprove your findings using another online data based publication on world fact. For example you might use OurWorldInData (OWID) at https://ourworldindata.org/ See also https://en.wikipedia.org/wiki/Our_World_In_Data

8. Prepare a **brief presentation**. Choose your mean of presentation. For example you could to make a video, a slide presentation, an infographic, a speech, a combination of those or of something else.

FINALLY

Each participating school can selected the best project developed by its students. This project can be perfected by the graphic designer of the University of Genoa.