

Comments from Lucatelli Underwater Engineering Submitted by email on 17 August 2020

Dear Dr. Vikash

First of all I want thank you for your fast reply and moreover thank you for spending your precious time in reading at my comment.

Im not sure about what I can comment on but I will try to give my point of view regarding the new activity types of Blue Carbon that GS will intend to start supporting followings years.

I understand that this activity require scope expansion approval from GS Board and GS Technical Advisory Committee.

My team used to cooperate in 2019 with Tel Aviv University and now we are working together with Italian University of Udine in order to have develop the best system and best quality control on the various phases of the process.

The 22 of April 2020 we submitted to GS a new methodology concept and blue carbon is the reason of applicability of our project.

The creation of Blue carbon credit would lead to a more effective action to co2 reduction and the key point of our proposed methodology lies in the fact that blue-carbon will enable the interchange process of nature based raw material instead of Oil based material that means immediate decarbonisation and for our calculation the total annual uptake of CO₂ is about **2900 ton CO₂ / km²**.

As you remember our proposed new methodology also will have followings other benefits:

- Production of Proteins from algae avoids use of fresh water, fertiliser and land and livestock exploitation.

- Production of Bioplastic from algae (PHA) avoids use of cropland, fresh water, fertilizer and can substitute plastic derived from petroleum, for a wide range of applications, minimizing the amount of CO₂ released in the atmosphere.

- Moreover, this special PHA produced by sea bacteria is biodegradable in the sea and it represents a real benefit for oceans currently plastic polluted and a real solution related to the Increased demand for eco-friendly packaging solutions

My team and myself are at disposal for any further clarification or needs of any kind of technical or economical help in order to support you to assess the new scope of blue carbon .

Thank you so much .

Hope to be part in helping GS assessing the Climate change