

BIO SERGE AMAYE

Serge Amaye's long international career for Puratos Group, a Belgian multinational producer of food ingredients, has granted him an in-depth experience in the international food business.

Since a few years Serge has been involved in Life Support Systems for survival in Space and on other planets: in particular for Mars. A first important project will have been the SpaceBakery in Belgium for which he created a consortium that received a 4.5 million Euro research budget , followed by the PuraDome complex at Puratos Brussels: a dedicated building related to Mars research .

He has benefited of his direct contacts with NASA and indirectly with major Space organizations such as Roscosmos and Esa via the SIRIUS program for wellness in Space. In so far two of his patents will be presented at the GLEX Global Space Congress in Saint Petersburg during June 2021. One patent is for a food supplement against bone decay.

The other being the **Variable Climate Biosphere** which is a biosphere simulating just any possible climate existing on planet Earth with the aim of having ideal conditions for humans and plants to thrive in controlled closed environments. The latter will find applications for underground constructions allowing optimal conditions for human activities, amongst which underground farms.