MPP THROUGH THE TIME

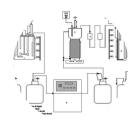


Inception of the **MELiSSA Project:** -Precursor Flight experiment - Concept Publication - First ESA Contract

1987-1989



Begining of operation in the first MPP Facility with precursor bioreactors



1995



Construction of MPP Clean room



Installation of animal compartment





Start of Long term

integrations experiments:

- gas loop connection

of Cyanobacteria

Photobioreactor + animal

compartment

- liquid phase connection:

cyanobacteria

Photobioreactor + Nitrification

2013-2014



Upgrade of Microalgae Photobioreactor and Nitrification Compartment Integration : Cyanobacteria Photobioreactor +liquid loop and the connection of the gas loop of the Nitrification Compartment + the animals compartment

10th Anniversary of the second **MPP** Facility

Full integration of 3

compartments in gas and

liquid phase :

Cyanobacteria

Photobioreactor + Nitrification

compartment + animal

compartment

2019 - 2021



Installation and redesign of new higher plants compartment

Preparation of future integration steps

2021 - 2022

2018

First demostration of MELiSSA Loop at lab scale



- Building of the second Facility -Installation of Organic waste Compartment, and higher plants compartment

2003

2007-2008



Tribute to Claude Chipaux

ISO 9001 Certification

1.7



-Redesign of Cyanobacteria Photobioreactor

-Installation of Nitrification Compartment

-Inauguration second MPP Facility

2011

2009