

November 5-9, 2018

INAIL

Rome, piazzale Pastore 6

Erasmus+

KA2-Cooperation for Innovation and the exchange  
of good practices

Teaching basic sciences to young people with fewer  
opportunities: towards inclusive education

# Implementation example

RAD project : school net of standard bio air purifiers (Aria Indoor) based on a domestic freshwater aquarium

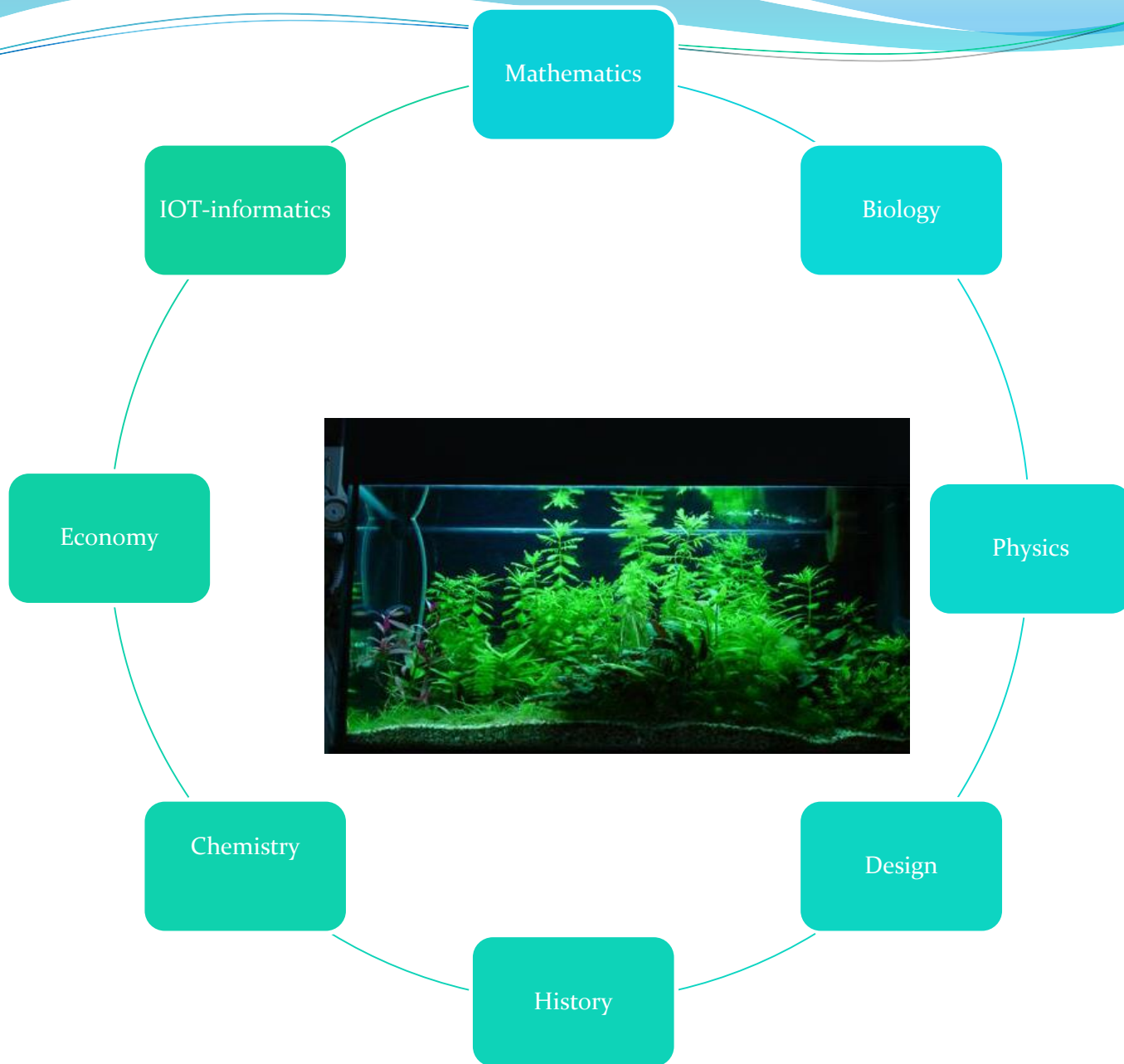
Use of an innovative indoor air purification system.

The system, designed with commercial purposes, is applied for educational purposes by reality task experience .

Aria Indoor is proposed as economically accessible tool for an innovative learning of basic matters

# Implementation example

- A real applied-research challenge, with an experimental development that is shared by students, and tutors: school and University teachers and professional experts (/IT IS/ CRF/University)



# Expected results

- The students are stimulated to find new and better solutions for the continuous improvement of the innovative device, according to their different school orientation (chemistry, biology, design, economy, technology...)

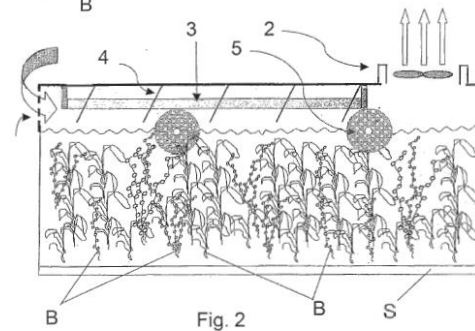
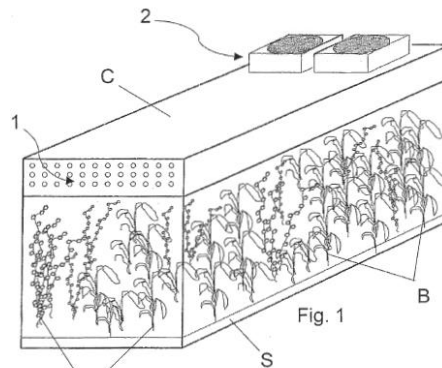
# Expected results

This experience can:

- educate students to respect different competences of the involved fellows, preferences and orientations
- stimulate the functional deepening of basic sciences involved in a complex biochemical tool in order to promote realistic improvements of the device
- help to develop an open and critical attitude (fake news vs. knowledge)

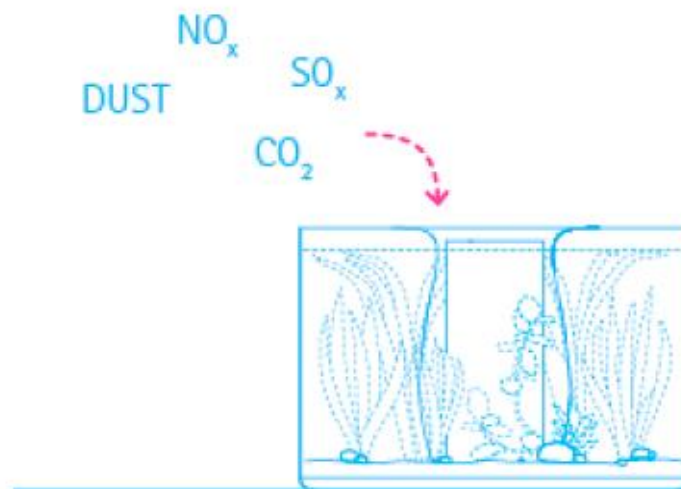


# Operational diagram



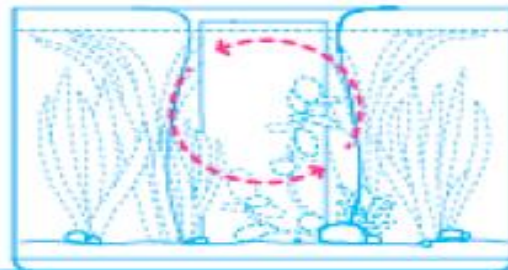


## HOW IT WORKS



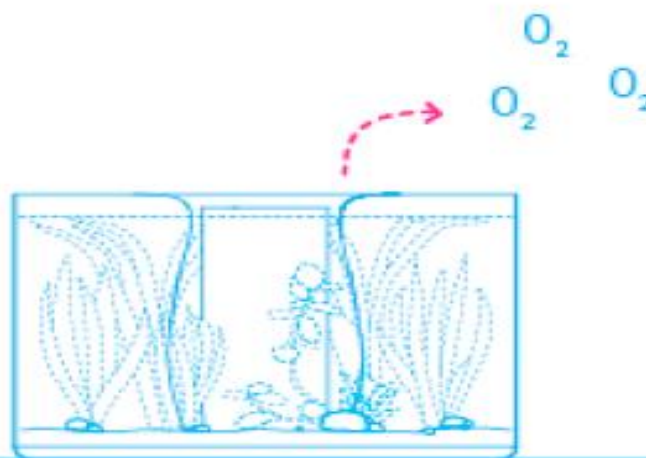
1. POLLUTED AIR INTAKE

## HOW IT WORKS



### 2. PROCESSING

## HOW IT WORKS



3. CLEAN AIR OUTPUT

# Aria Indoor



# Advantages of Aria Indoor

- Accessible cost of the device
- easy to built and to run
- “calogakathia” (ideal of pysical and moral perfection)
- respect of biological process: a living being needs non-delegable cares, a dog as well as an aquarium...And both have “purifing”, beneficial effects on the care-giver...

# Long-time results

- consider sustainable entrepreneurship as a viable choice after graduation
- extending the capacity to inter-professional cooperation and quality management to any project

# The main goal

- To promote the growing of beautiful and performing wings to the Youth's achievable dreams.
- ...repudiating the famous Gibran Khalil Gibran assertion: "For the vision of one man lends not its wings to another man"

# Closing slide

- Thank you for your attention