



**Thursday 5 November**  
**EU-India PARTNERING EVENT**

*Theme: Life sciences, biotechnology and  
biochemistry for sustainable  
non-food products and processes*

**Dr. Eng. Mario A. Rosato**  
**Sustainable Technologies SL (Spain)**  
**&**  
**Prof. Dr. Raman Saravanane**  
**Pondicherry Engineering College (India)**

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NEW  
INDIGO



EUINEC



European Business and Technology Centre



Biocircle



# RESEARCH CENTRE



## *Sustainable Technologies S.L.*

SME devoted to applied research in the fields of renewable energies and environmental protection. Among other patents, owners of the AFADS wastewater treatment technology. This is a 4-stage (anaerobic, phytodepuration, aerobic, solar distillation) , fully sustainable wastewater treatment system, which provides zero CO<sub>2</sub> emissions.

## *Environmental Engineering Dpt. – Pondicherry Engineering College*

The research lab has developed cutting edge technology in the dark fermentation of wastewaters, with production of biohydrogen instead of the traditional biogas. Prof. Saravanane is Member of Risk Assessment - Advisory Structure of Scientific Committees and Expert set up by European Commission Decision - 2008/721/EC (Published in Official Journal of European Union, OJ L 49 20.02.2009, p. 33)

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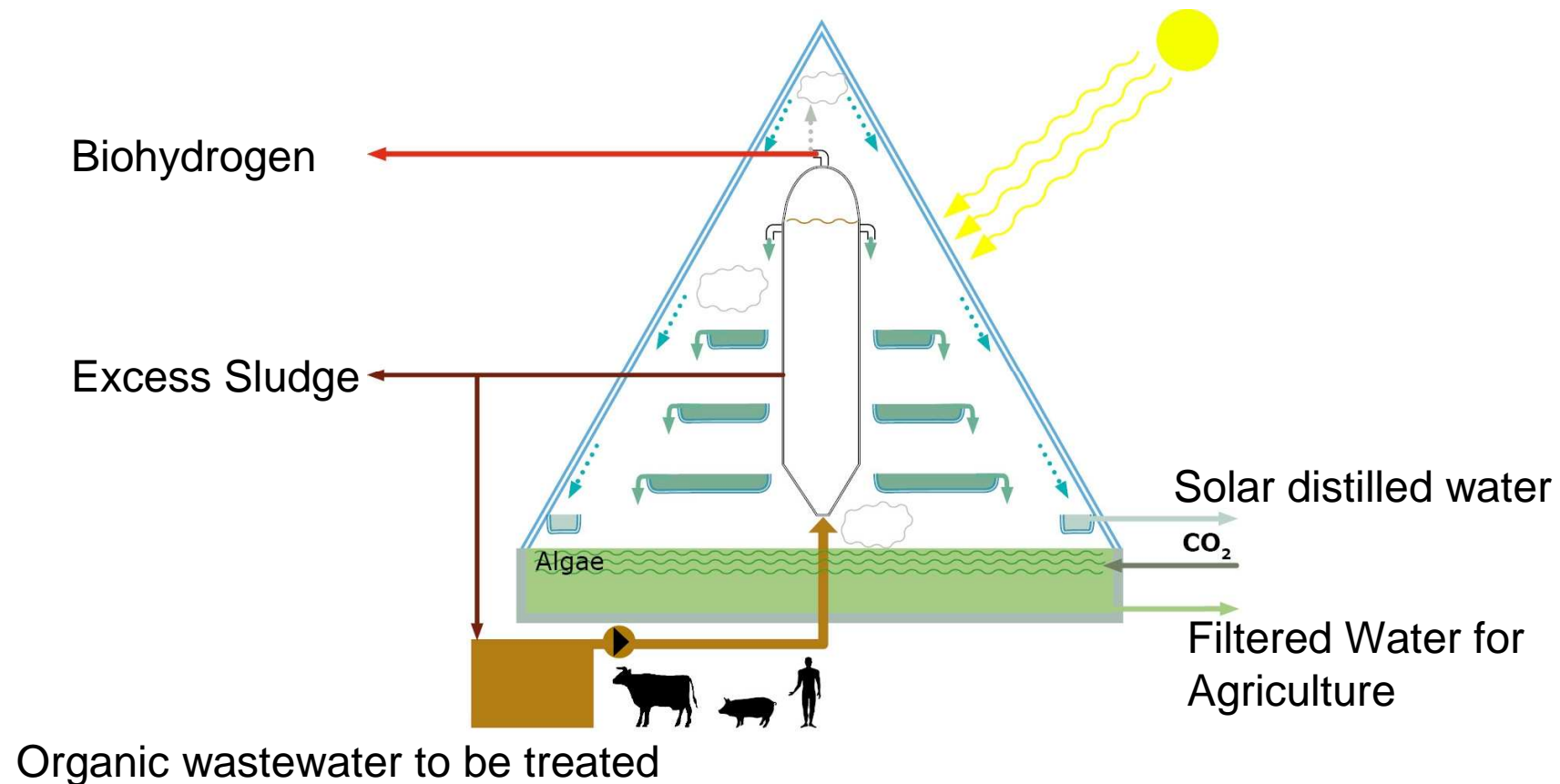


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# PROJECT IDEA

## *The AFADS system*



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# PARTNER SOUGHT



## *Biohydrogen AFADS Project*

Several profiles of financial and reference partners are welcome in order to build and test a prototype.

- a) Public body.
- b) Wastewater treatment company (public or private) .
- c) Alimentary industry (fruit juices, sugarcane, beverages, food canning).
- d) Rural community needing a sewage treatment plant and energy.
- e) Industrial user of hydrogen (metallurgical plant, grease hydrogenation, any other process requiring hydrogen where purity is not critical).
- f) CO<sub>2</sub> emitting industry (cement, iron, lime...) willing to offset emissions while helping the local community.

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# CONTACT DETAILS



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