



*“A Sustainable Ethanol  
Solution for Research  
Institutes”*

# ÉthaVriti

Turning Food Waste into Green Solvent

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# BACKGROUND & INCEPTION

- Doctorate in  Chemical Engineering
- Mumbai, India
- Researcher in CNRS
- 2.5 years (2022-2024)



CNRS-ICGM, Montpellier (2024)

Lunch in CNRS Canteen



Food Waste Generated



10-15 kg of waste is generated daily !!!

# THE PROBLEM

- ❑ Research institutes generate food waste daily
- ❑ High and growing demand for ethanol ( 98° & 70° )
- ❑ Current ethanol supply depends on external sourcing

Ethanol for Research



Demand

Research Institute (CNRS)



Produce

Food waste (canteen)





# THE ÉTHAVRITI SOLUTION

CNRS



Food Waste



Fermentation

Ethanol



# PROOF OF CONCEPT



@ CNRS

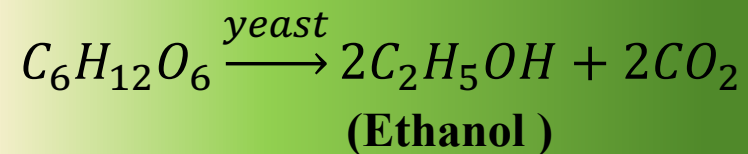
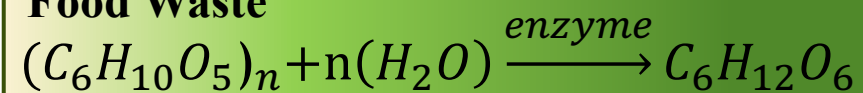
100 l/week production

- 50 l of 98° @ 10.0 €/l
- 50 l of 70° @ 6.5 €/l

= 2970 €/week [850]



Food Waste



- Distribution within CNRS premises
- No transportation cost
- Waste Management



ÉthaVriti

- ❖ Waste to Product
- ❖ On-site production = Zero transport
- ❖ Dual-grade ethanol flexibility
- ❖ Social, sustainable, and scientific solution

# Why ÉthaVriti Stands Out ?

# MARKET PROJECTION

Institutes in  
Mainland France

Institutes in  
Montpellier

CNRS  
Pilot

CNRS-ICGM, Montpellier

100

l/week

850

€/week

6 Institutes in Montpellier

5,000

l/week

42,500

€/week

~50 Institutes in France

300,000





l/week

2,550,000

€/week

# MARKET POTENTIAL

## Other Potential Sectors (Monthly Estimate)

	Industry Sector (Montpellier)	Equivalent in 100-liter Units	Market Value @ €850/100L
	Pharmaceuticals & Biotech	50-100	€42,500-€85,000
	Cosmetics & Personal Care	30-70	€25,500-€59,500
	Food & Beverage Processing	20-50	€17,000-€42,500
	Agriculture & Viticulture	10-30	€8,500-€25,500
	<b>Total</b>	<b>110-250</b>	<b>€93,500-€212,500</b>



## WHAT DO I NEED ?

➤ Space within research premises



➤ Access to food waste



➤ Institutional support for pilot



➤ Minimal early-stage funding for setup





# Thank You



*“ Let’s build a greener future together ”*

**Étha** = Ethanol

**Vriti** = (Sanskrit) Mindset

Company with a green mindset of ethanol production



**Dr. Inderdip SHERE**  
Founder, ÉthaVriti



<https://inderdipshere.github.io/ethavriti>