

**GreenHy**

**Hydrogen production by biochemical  
processes of high moisture organic wastes**

**Biomass is the most important RES**

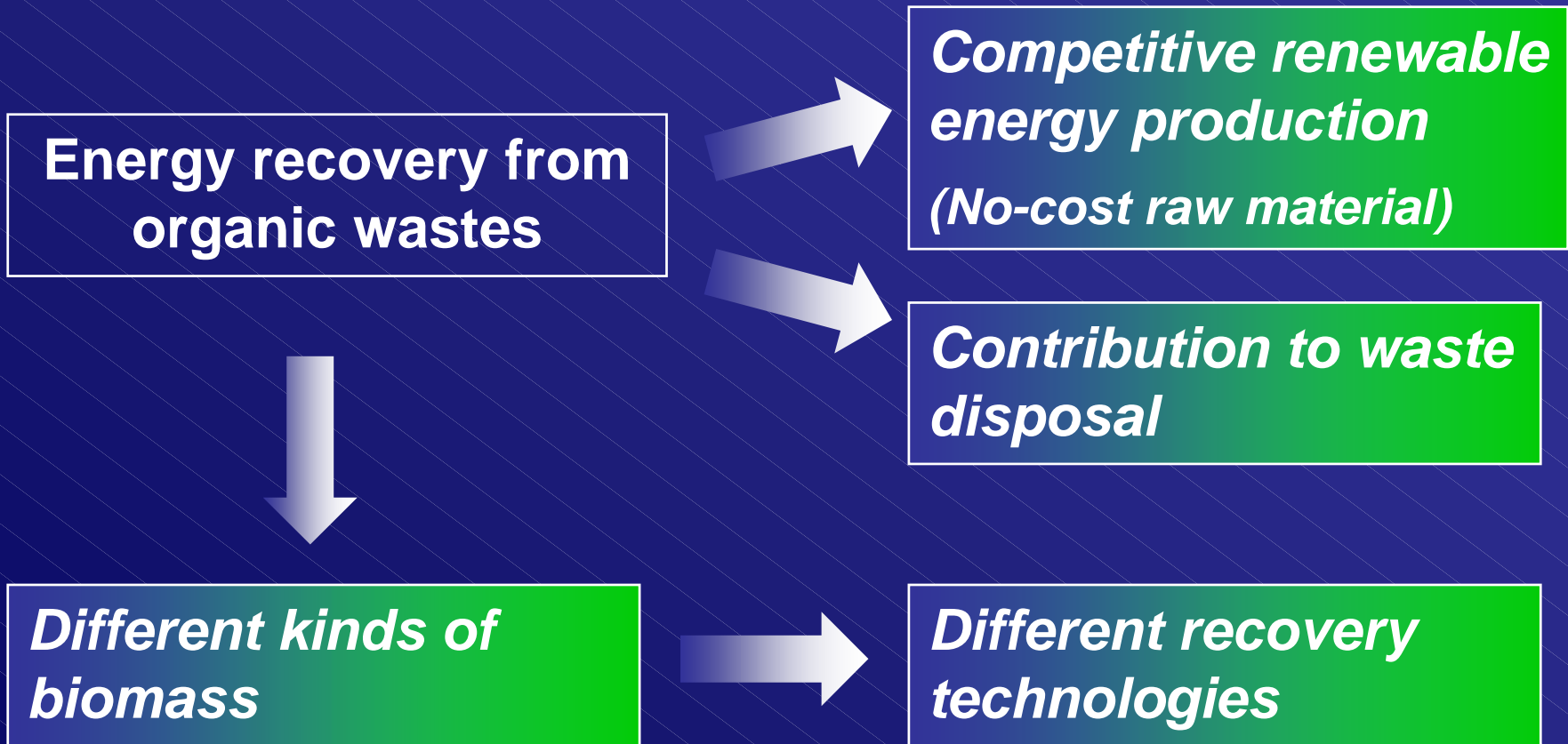
**RES**      **~ 15 %**      **World energy consumption**

**Biomass**      **~ 70 %**      **Total RES**

**Biomass is expected to be  
the most promising RES for H<sub>2</sub> production**

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**Introduction**



# GreenHy

## Introduction

~~Low moisture biomass~~

~~Thermochemical processes~~

High heating value biomass

*(wood and similar)*

High moisture biomass

Biochemical processes

Animal manure

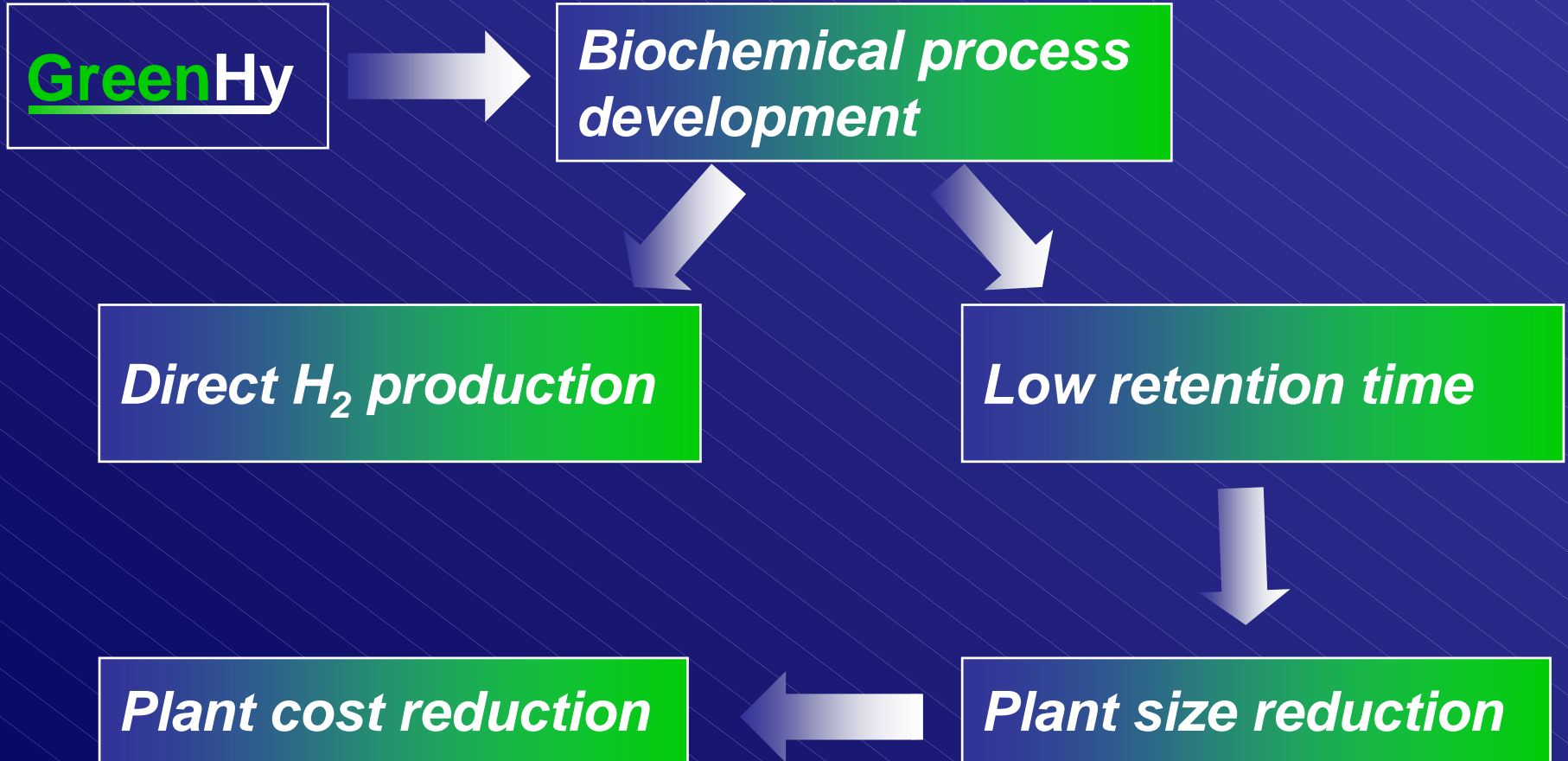
Agriculture and food industry wastes

MSW organic content

Sewage sludge

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*The Project*



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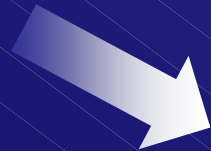
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*Selection and characterization  
of bacteria and enzymes*

*High H<sub>2</sub> yield*

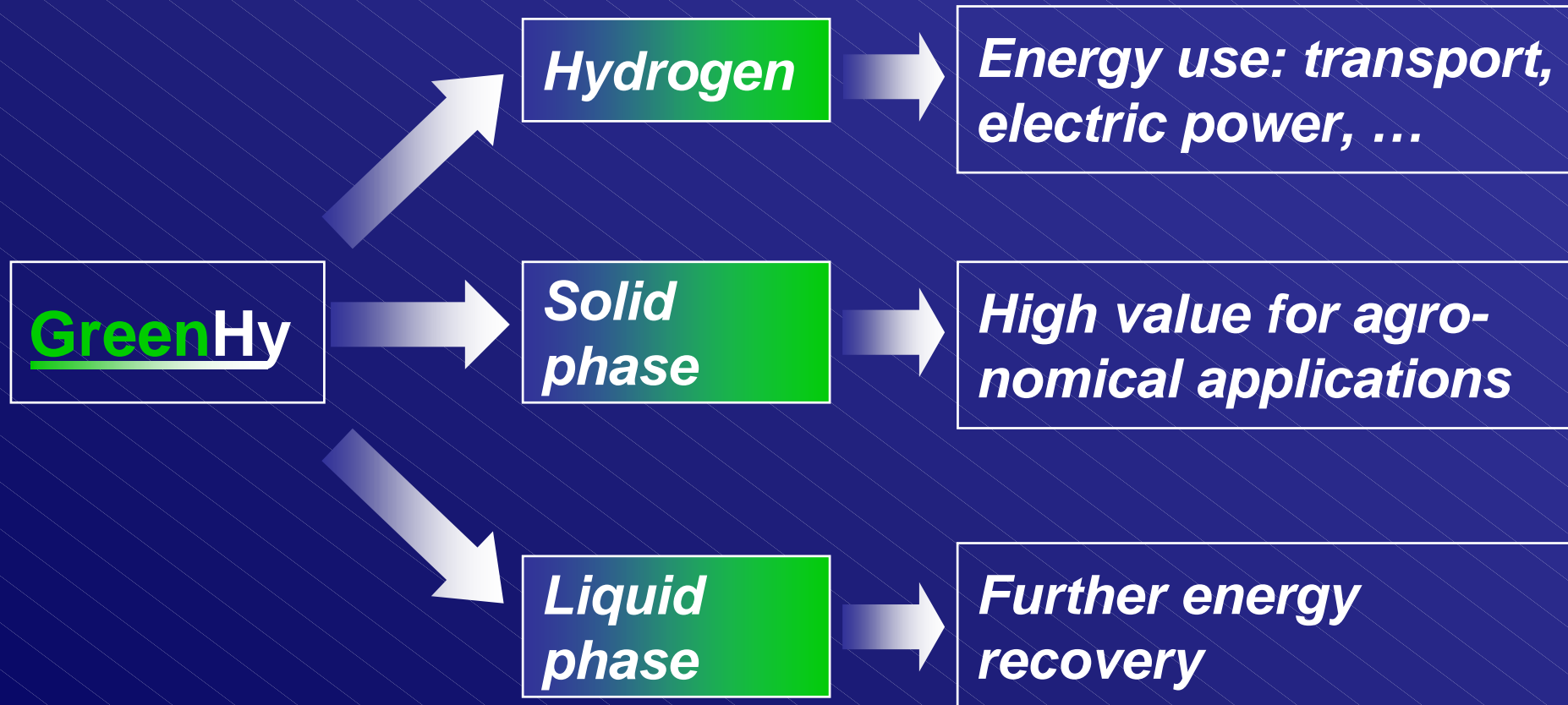
*Process optimization*

*Maximized energy  
exploitation*



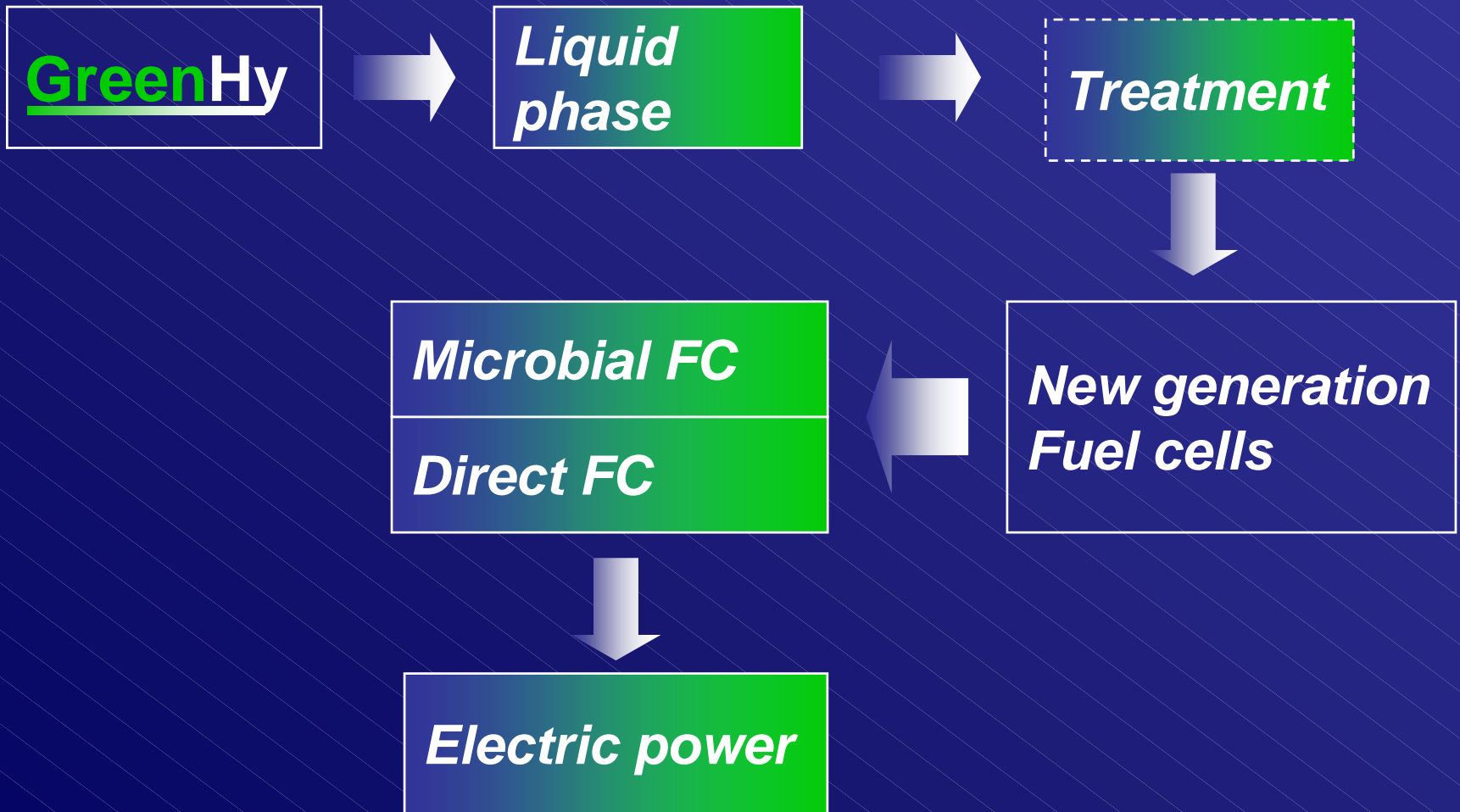
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