

# Dolcera's Poster on Industrial Biotechnology

## Contents

- 1 Using Dashboard for innovation in Industrial Biotechnology
- 2 Dolcera Innovation process
- 3 Like this report?
- 4 Contact Dolcera

## Using Dashboard for innovation in Industrial Biotechnology

There is a need for information visualization tools that can map thousands of patents, technical literature etc. in Industrial Biotechnology world to fully understand the universe of organisms, enzymes, feedstock, products and by-products and the inter-relationships between them.

To solve the above problem, Dolcera builds customized dashboards, with customized categorization, for Industrial biotechnology companies helping them map innovation to the following basic variables:

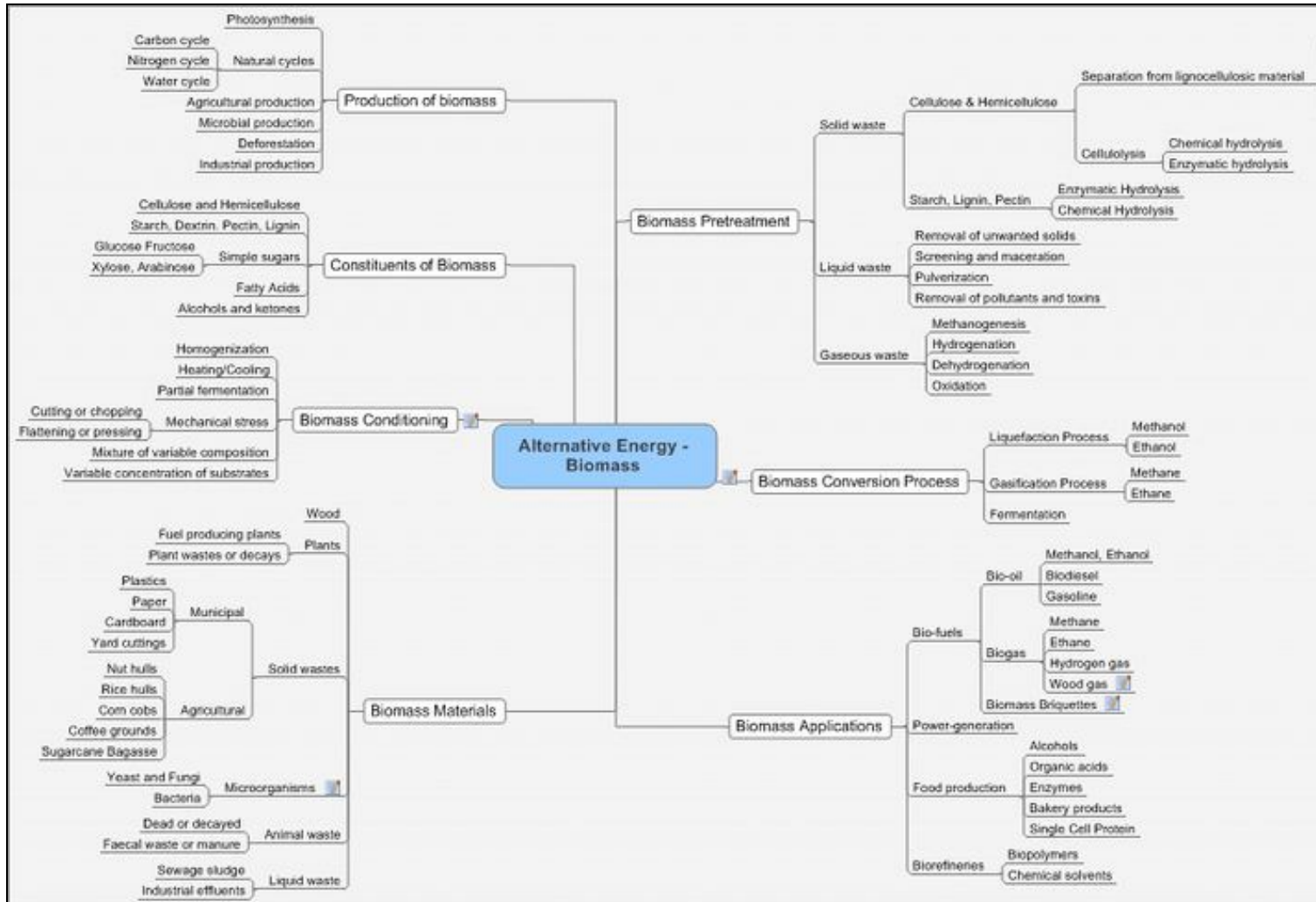
- Various feedstock
- Pre-treatment methods for feedstock
- A variety of enzymes, bacteria, fungi, yeast or a modified version of any of these that feed on feedstock
- Output or products that are obtained when the enzymes or bacteria or fungi or yeast feed on these feedstock.

Such detailed mapping of patents+technical literature activity to the above categories with the dashboard visualization tool helps companies map the entire technology landscape.

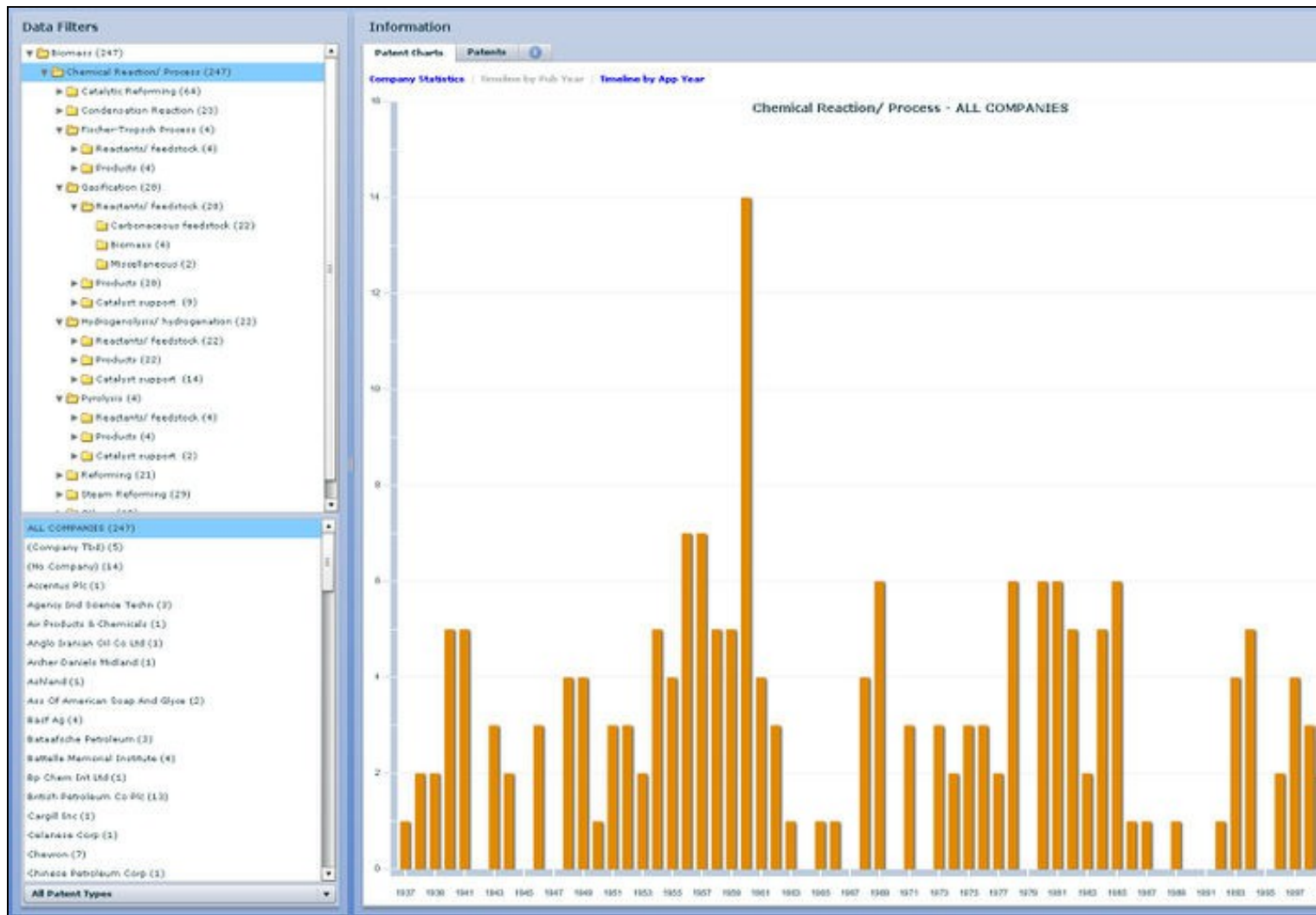
We believe that this process of mapping the technology landscape for biotechnology, albeit customized for your needs, helps companies identify white spaces that they can potentially exploit for research or patenting opportunities.

## Dolcera Innovation process

### Step 1 - Detailed customized categorization



### Step 2 - Assigning analyzed technical documents to these categories



Step 3 - Deep dive analysis into the technical documents to identify white spaces

- Dashboard Screenshot 2

### Data Filters

- Biomass (247)
  - Chemical Reaction/ Process (247)
    - Catalytic Reforming (64)
    - Condensation Reaction (22)
    - Fischer-Tropsch Process (4)
    - Reactants/ Feedstock (4)
    - Products (4)
    - Gasification (20)
      - Reactants/ Feedstock (28)
        - Carbonaceous Feedstock (22)
        - Biomass (4)
        - Miscellaneous (2)
      - Products (20)
      - Catalyst support (9)
    - Hydrogenation/ Hydrogenation (22)
      - Reactants/ Feedstock (22)
      - Products (22)
      - Catalyst support (14)
    - Pyrolysis (4)
      - Reactants/ Feedstock (4)
      - Products (4)
      - Catalyst support (3)
    - Reforming (21)
    - Steam Reforming (29)

### Information

Patent Charts Patents

Publication Title

- US20050123472A1 Hydrogen production
- US5651953A Method of producing hydrogen from biomass
- 0823101
- US5200202
- 0847934
- US20070
- EP103160A1
- 0849021
- 0849941
- US53068
- US56168
- 0876333
- 0878278
- W02007
- 0880917
- 0882247
- US56168
- US64799
- US20030

US20050123472A1 Hydrogen production

US Class (patent)

IPC Class (patent)

**Abstract:**  
 Hydrogen is generated by a mixture of feedstocks. The resulting hydrogen is used at an end use.

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**Samir Raiyani**  
 Email: [info@dolcera.com](mailto:info@dolcera.com)  
 Phone: +1-650-269-7952