

# Dolcera's Poster on Industrial Biotechnology

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## 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:

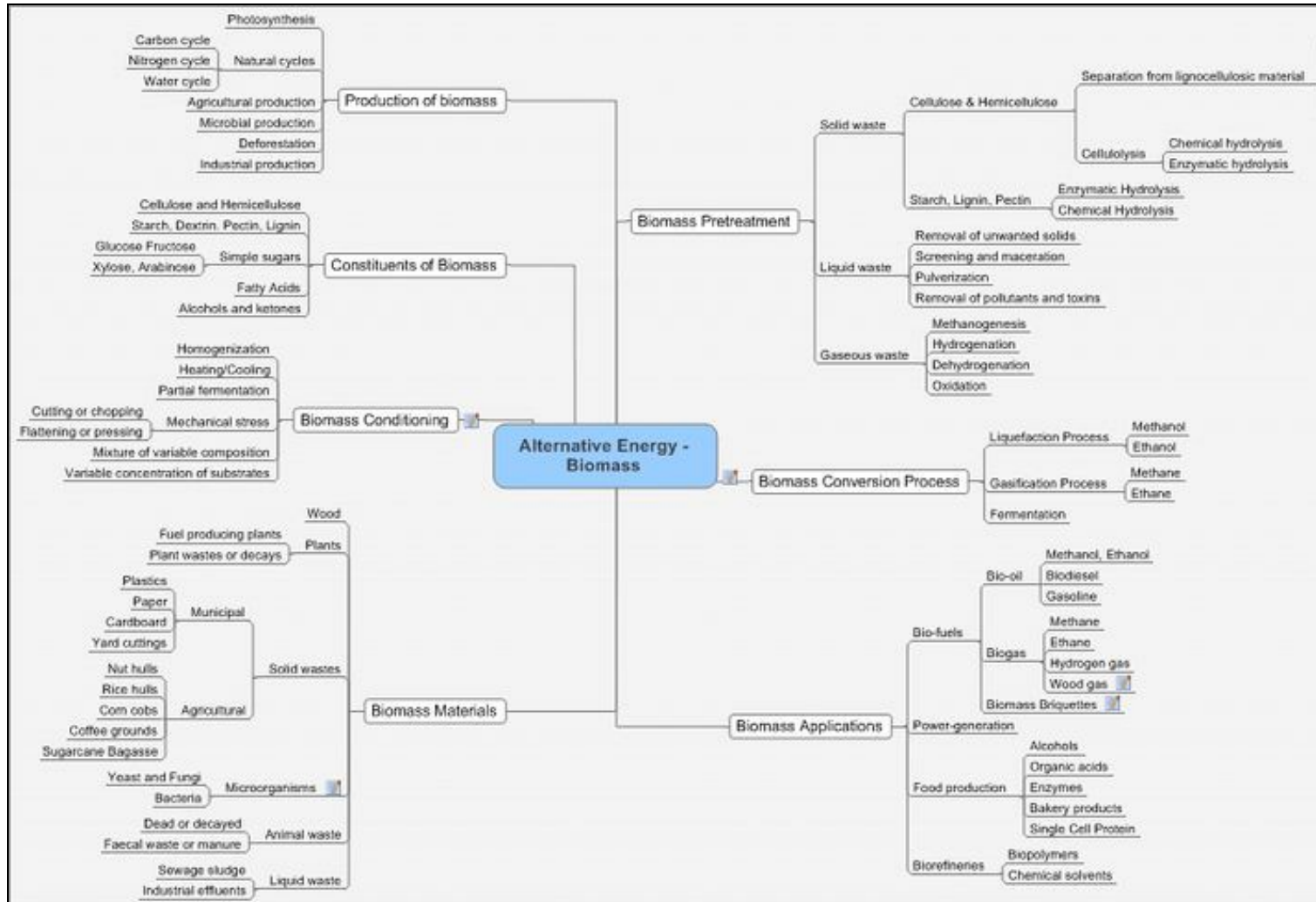
- Various feedstock
- Pre-treatment methods for feedstock
- A variety of enzymes, bacteria, fungi, yeast or a modified version of any of these that feed on feedstock
- Output or products that are obtained when the enzymes or bacteria or fungi or yeast feed on these feedstock.

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

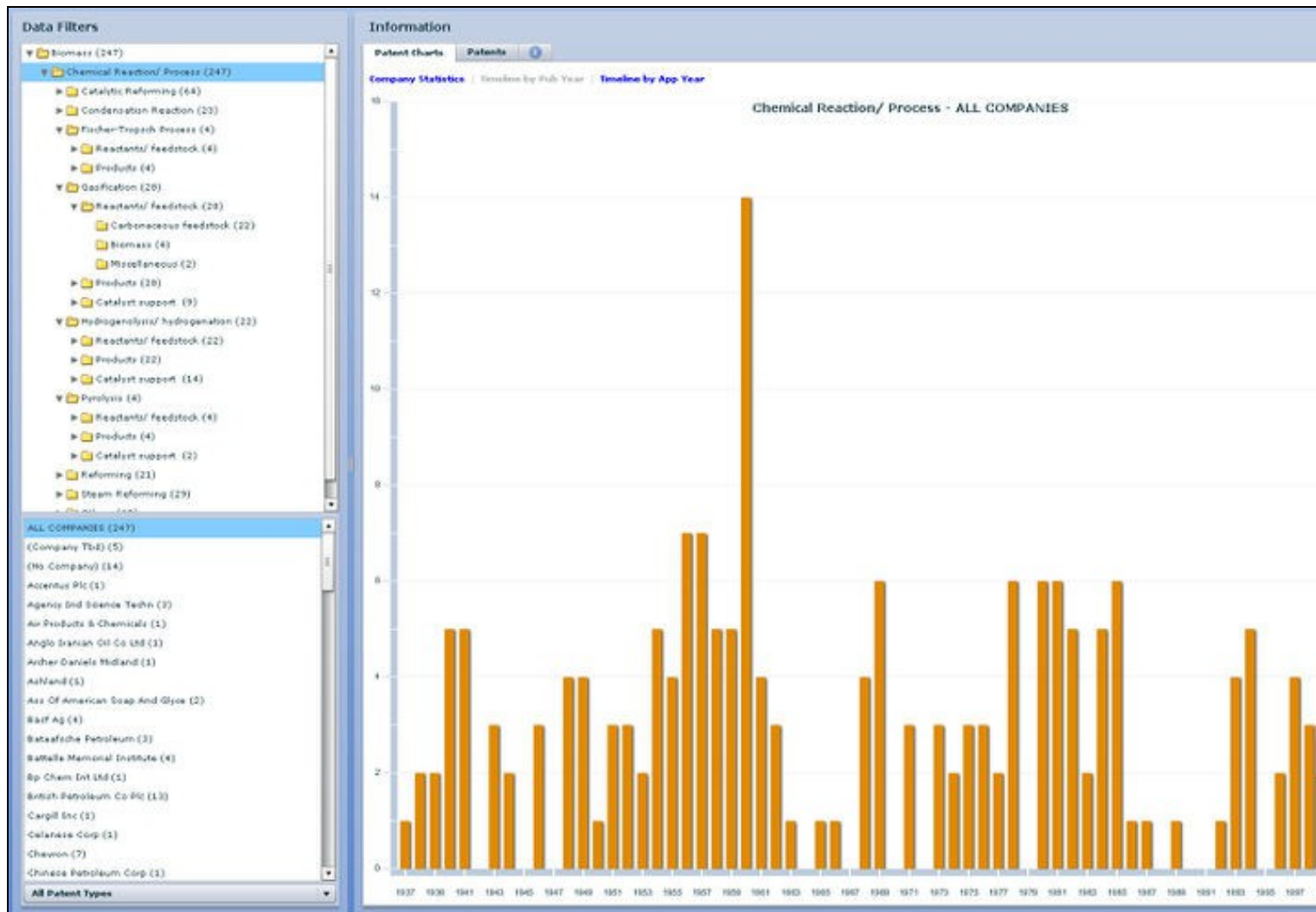
We believe that this process of mapping the technology landscape for biotechnology, albeit customized for your needs, helps companies identify white spaces that they can potentially exploit for research or patenting opportunities.

## 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 (23)
    - 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 (2)
    - Reforming (23)
    - Steam Reforming (29)

### Information

#### Patent Charts

Publication	Title
US20050123472A1	Hydrogen production
US5651953A	Method of producing hydrogen from biomass
GB23101	
US52020	
GB47934	
US20070	
EP103160A1	Catalytic upgrading of reduced crudes and residual oils with a coke selective catalyst.
GB49021	
GB49941	
US53064	
US56168	
GB76337	
WO2007	
GB76275	
GB80917	
GB82247	
US56161	
US64797	
US20030	

#### US20050123472A1

##### Hydrogen production

**US Class (p)**  
**IPC Class (p)**

**Abstract:**  
Hydrogen is generated by a mixture of generate one subjecting the then to a wa The resulting selective oxid diluting the g hydrogen ma used at an of

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