

## Ideation Phase

### Brainstorm & Idea Prioritization Template

Date	19 <sup>th</sup> March 2025
Team ID	PNT2025TMID06806
Project Name	Global Energy Trends: A Comprehensive Analysis of Key Regions and Generation Modes Using Power BI
Maximum Marks	4 Marks

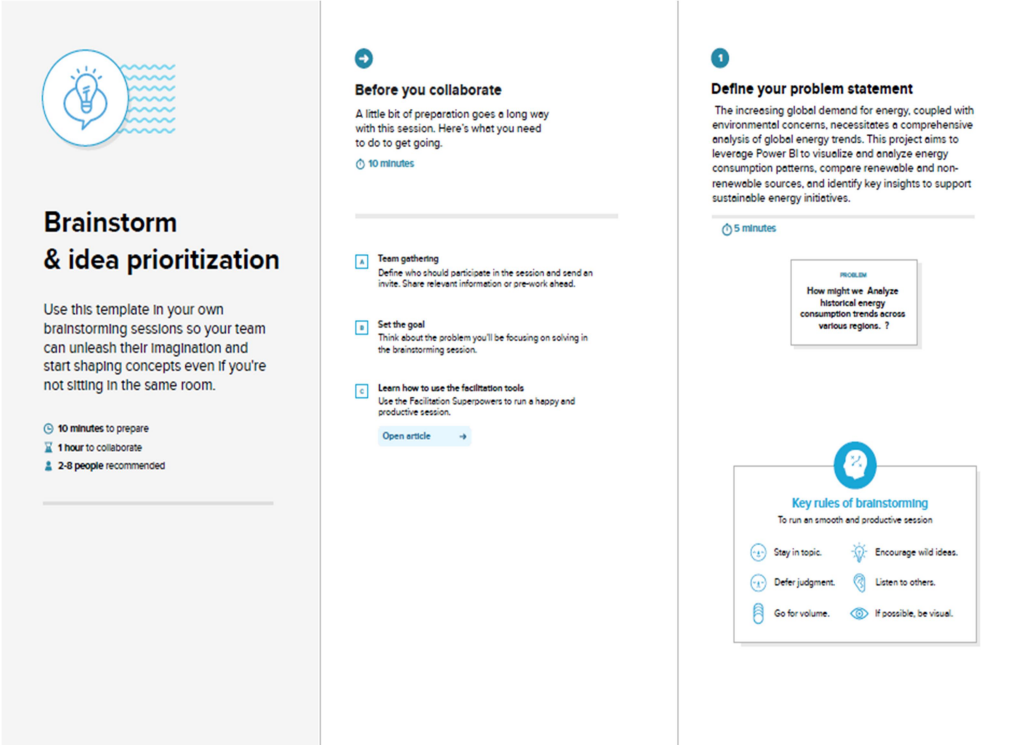
#### Brainstorm & Idea Prioritization Template:

Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions.

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

Reference: <https://www.mural.co/templates/brainstorm-and-idea-prioritization>

#### Step-1: Team Gathering, Collaboration and Select the Problem Statement



**Brainstorm & idea prioritization**

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

⌚ 10 minutes to prepare  
🕒 1 hour to collaborate  
👥 2-8 people recommended

**Before you collaborate**

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

⌚ 10 minutes

**1 Team gathering**  
Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.

**2 Set the goal**  
Think about the problem you'll be focusing on solving in the brainstorming session.

**3 Learn how to use the facilitation tools**  
Use the Facilitation Superpowers to run a happy and productive session.

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**1 Define your problem statement**

The increasing global demand for energy, coupled with environmental concerns, necessitates a comprehensive analysis of global energy trends. This project aims to leverage Power BI to visualize and analyze energy consumption patterns, compare renewable and non-renewable sources, and identify key insights to support sustainable energy initiatives.

⌚ 5 minutes

**PROBLEM**

How might we Analyze historical energy consumption trends across various regions. ?

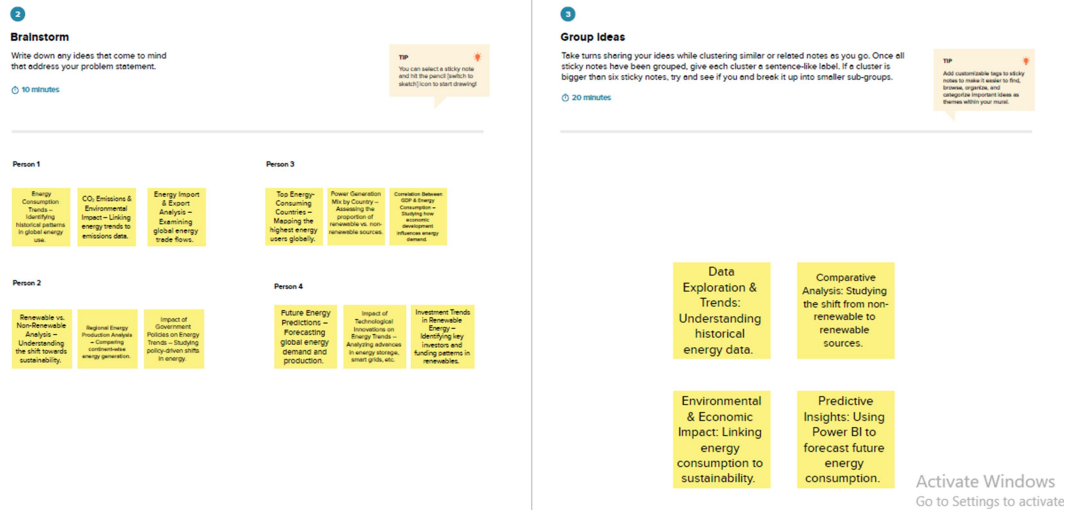
**Key rules of brainstorming**

To run an smooth and productive session

- Stay in topic.
- Encourage wild ideas.
- Defer judgment.
- Listen to others.
- Go for volume.
- If possible, be visual.

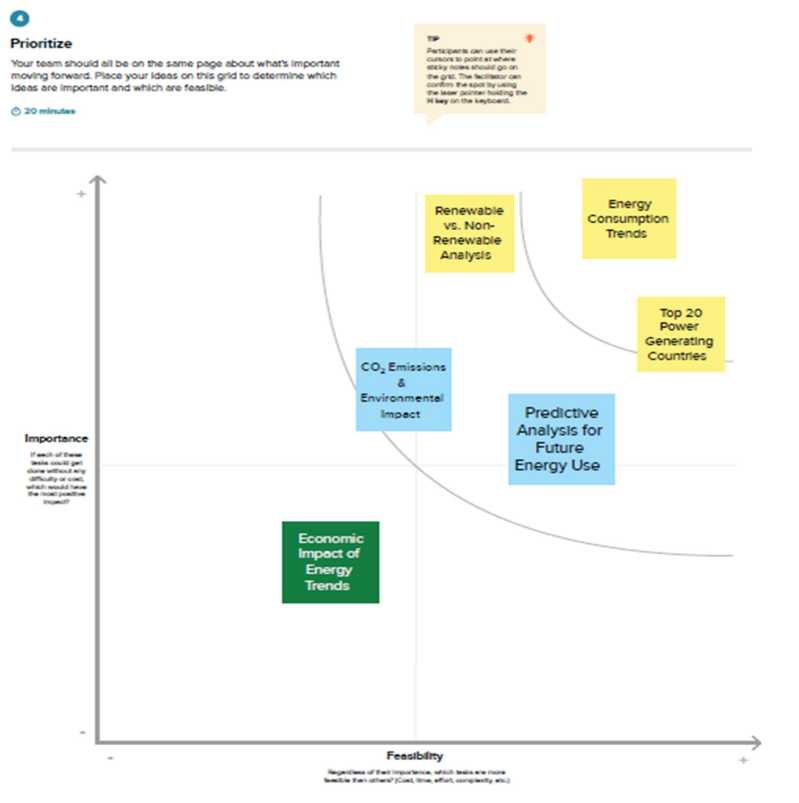
1. Analyze historical energy consumption trends across various regions.
2. Compare the growth of renewable vs. non-renewable energy sources.
3. Identify the top energy-consuming countries and their power generation mix.
4. Provide visual insights into the transition towards sustainable energy.
5. Forecast future energy scenarios using Power BI analytics.

## Step-2: Brainstorm, Idea Listing and Grouping



1. Data Exploration & Trends.
2. Comparative Analysis.
3. Environmental and Economic Impact.
4. Predictive Insights.

## Step-3: Idea Prioritization



This prioritization ensures that our project remains focused on **analyzing, comparing, and predicting global energy trends using Power BI**, providing actionable insights into energy usage and sustainability.