



# 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



[Share template feedback](#)



## Need some inspiration?

See a finished version of this template to kickstart your work.

[Open example](#)



# 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



## Team gathering

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



## Set the goal

Think about the problem you'll be focusing on solving in the brainstorming session.



## Learn how to use the facilitation tools

Use the Facilitation Superpowers to run a happy and productive session.

[Open article](#) 



1

## Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

 5 minutes

### PROBLEM

**How might we predict the energy output of wind turbine based on weather condition?**



### 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.



Brainstorm

Write down any ideas that come to mind that address your problem statement.

🕒 10 minutes

TIP



You can select a sticky note and hit the pencil [switch to sketch] icon to start drawing!

Renuka Devi M

Check the direction and speed of wind in different weather conditions.

Calculate the output energy of the wind turbine in accordance with the frequency of wind speed.

Look for the number of wind turbines in the windfarm and calculate its existing energy output.

Analyze the model of the wind turbine.

The diameter of the rotor of the wind turbine plays a major role in output energy.

Analyze the performance of the wind turbine.

Check the height of the wind mill and determine its output.

Changing climate condition is primarily noted to calculate the output energy.

Past climate conditions of the wind farms can also been used in the analysis of energy prediction.

Princy Mol Joseph

Weather updating table for effective analyse.

Provide extra idea about the energy output for a certain period (Annually) for future use.

Development of a Monte Carlo simulation tool to minimize pollutants emissions.

While forecasting considers Electrical transients, over current, Over voltage conditions.

Factors that influence power output-WIND SPEED, AIR DENSITY, BLADE RADIUS, TOWER HEIGHT, ROTOR AREA.

Adequate dispatch of the classical generation with wind power and under constraints.

Performance and thrust forces predicted with reasonable accuracy.

For accuracy confirmation, take feedback (Online form filling) from the local area people.

For better understanding create a GRAPH of energy output w.r.t Time.

Preethi S

It is better to store the dataset in a cloud.

The model obtained for energy prediction gives a very reliable prediction of the energy output for newly supplied weather data.

We predict the energy output with accuracy up to 80%.

Fitted parameter distributions vary depending on average rate time.

RETScreen simulation of the power plant shows that about 23.260 GWh of electricity can be generated in a year if one axis tracking method is employed.

Empirical data and experience presented.

Errors in predicted wind speed and power density quantified across different terrains.

CFD modelling of turbine flow gives 93% as peak aerodynamic efficiency.

The adsorption chiller can be powered by hot water of 55 °C.

Sivapriya S

Wind energy plays an increasing role in the supply of energy world wide

We report on the correlation of the different variables for the energy output.

Uncertainty of the measuring instrument is analyzed in resource assessment.

Assessments based on 10 min averages lead to a resource underestimation.

Presently PV electricity is 30.8% more expensive than grid electricity

An analytic analysis of closed-loop stability and of the convergence and bias properties of the estimator is provided.

Predicted wind speeds compared to long-term measurements at 38 UK sites.

The turbine is symmetrical with respect to a plane perpendicular to its axis of rotation

Solar collector efficiency can reach 0.5 when the hot water temperature is 125 °C.

Sri Gayathri Devi

Forecasting the weather condition prior applying the inputs

Providing inputs like wind speed, wind direction etc

Forming a theoretical power curve.

Analyzing the important parameters and correlation of output.

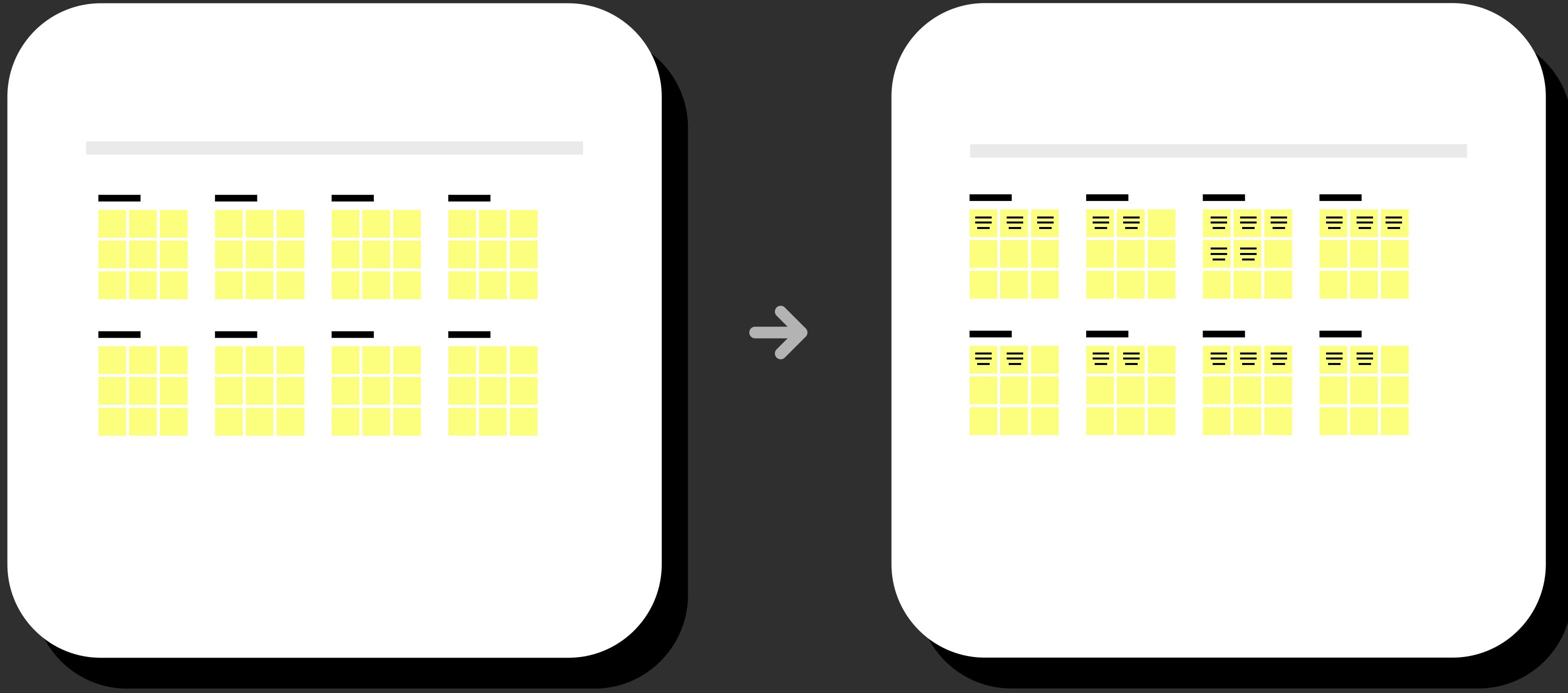
Checking the efficiency and performance of the turbines.

Controlling the generator speed, rotation angle, angle of blades.

Using effective power control mechanism.

Using larger rotor diameters in order to increase the efficiency.

Calculating the output power constantly





Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you and break it up into smaller sub-groups.

🕒 20 minutes

Weather Condition

Check the direction and speed of wind in different weather conditions.

The adsorption chiller can be powered by hot water of 55 °C.

Calculate the output energy of the wind turbine in accordance with the frequency of wind speed.

Forecasting the weather condition prior applying the inputs

The model obtained for energy prediction gives a very reliable prediction of the energy output for newly supplied weather data.

Output Energy

Look for the number of wind turbines in the windfarm and calculate its existing energy output.

We report on the correlation of the different variables for the energy output.

The diameter of the rotor of the wind turbine plays a major role in output energy.

Calculating the output power constantly

Adequate dispatch of the classical generation with wind power and under constraints.

Hassle Free

Development of a Monte Carlo simulation tool to minimize pollutants emissions.

Wind energy plays an increasing role in the supply of energy world wide

RETScreen simulation of the power plant shows that about 23.260 GWh of electricity can be generated in a year if one axis tracking method is employed.

Solar collector efficiency can reach 0.5 when the hot water temperature is 125 °C.

Errors in predicted wind speed and power density quantified across different terrains.

Using effective power control mechanism.

**TIP**

Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mural.

Wind Turbine

Analyze the model of the wind turbine.

Predicted wind speeds compared to long-term measurements at 38 UK sites.

Controlling the generator speed, rotation angle, angle of blades.

Analyze the performance of the wind turbine.

The turbine is symmetrical with respect to a plane perpendicular to its axis of rotation

Using larger rotor diameters in order to increase the efficiency.

Check the height of the wind mill and determine its output.

Checking the efficiency and performance of the turbines.

Dataset Analysis

Changing climate condition is primarily noted to calculate the output energy.

Provide extra idea about the energy output for a certain period (Annually) for future use.

Past climate conditions of the wind farms can also been used in the analysis of energy prediction.

For accuracy confirmation, take feedback (Online form filling) from the local area people.

Weather updating table for effective analyse.

An analytic analysis of closed-loop stability and of the convergence and bias properties of the estimator is provided.

Influencing Factors

While forecasting considers Electrical transients, over current, Over voltage conditions.

Providing inputs like wind speed, wind direction etc

Factors that influence power output WIND SPEED, AIR DENSITY, BLADE RADIUS, TOWER HEIGHT, ROTOR AREA.

Uncertainty of the measuring instrument is analyzed in resource assessment.

Assessments based on 10 min averages lead to a resource underestimation.

Performance Analysis

Performance and thrust forces predicted with reasonable accuracy.

Presently PV electricity is 30.8% more expensive than grid electricity

For better understanding create a GRAPH of energy output w.r.t Time.

Forming a theoretical power curve.

Empirical data and experience presented.

Cloud

It is better to store the dataset in a cloud.

Accuracy

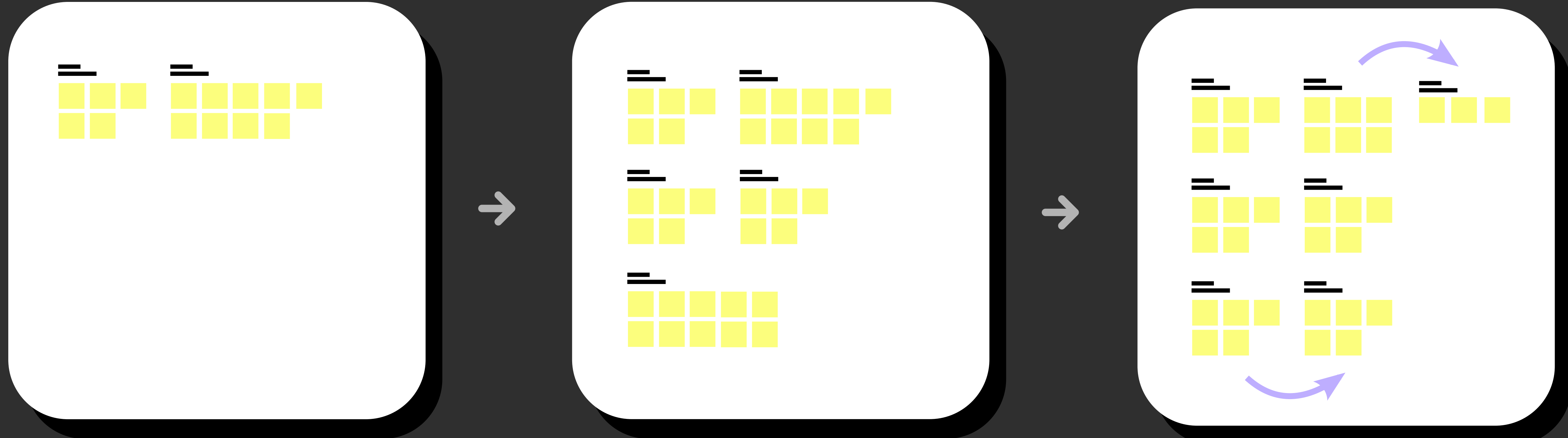
We predict the energy output with accuracy up to 80%.

Analyzing the important parameters and correlation of output.

Fitted parameter distributions vary depending on average rate time.

Checking the efficiency and performance of the turbines.

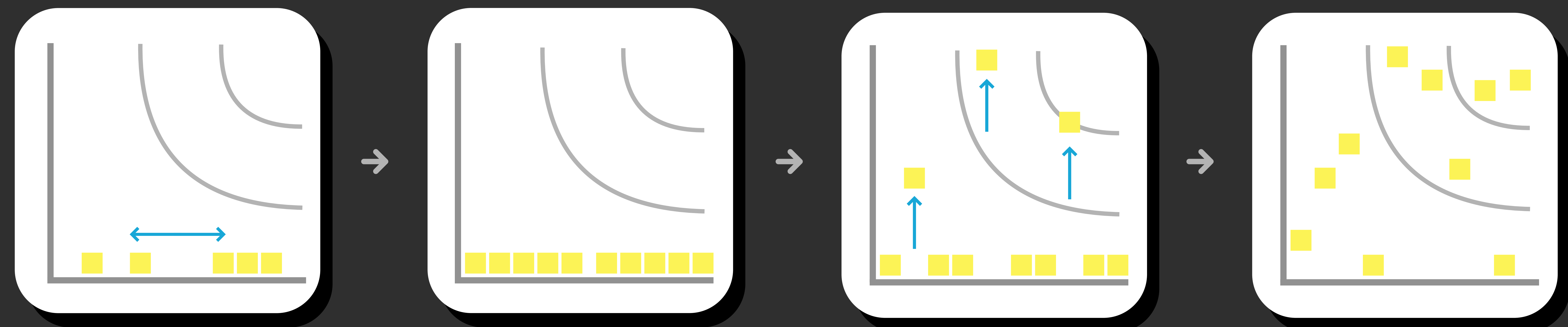
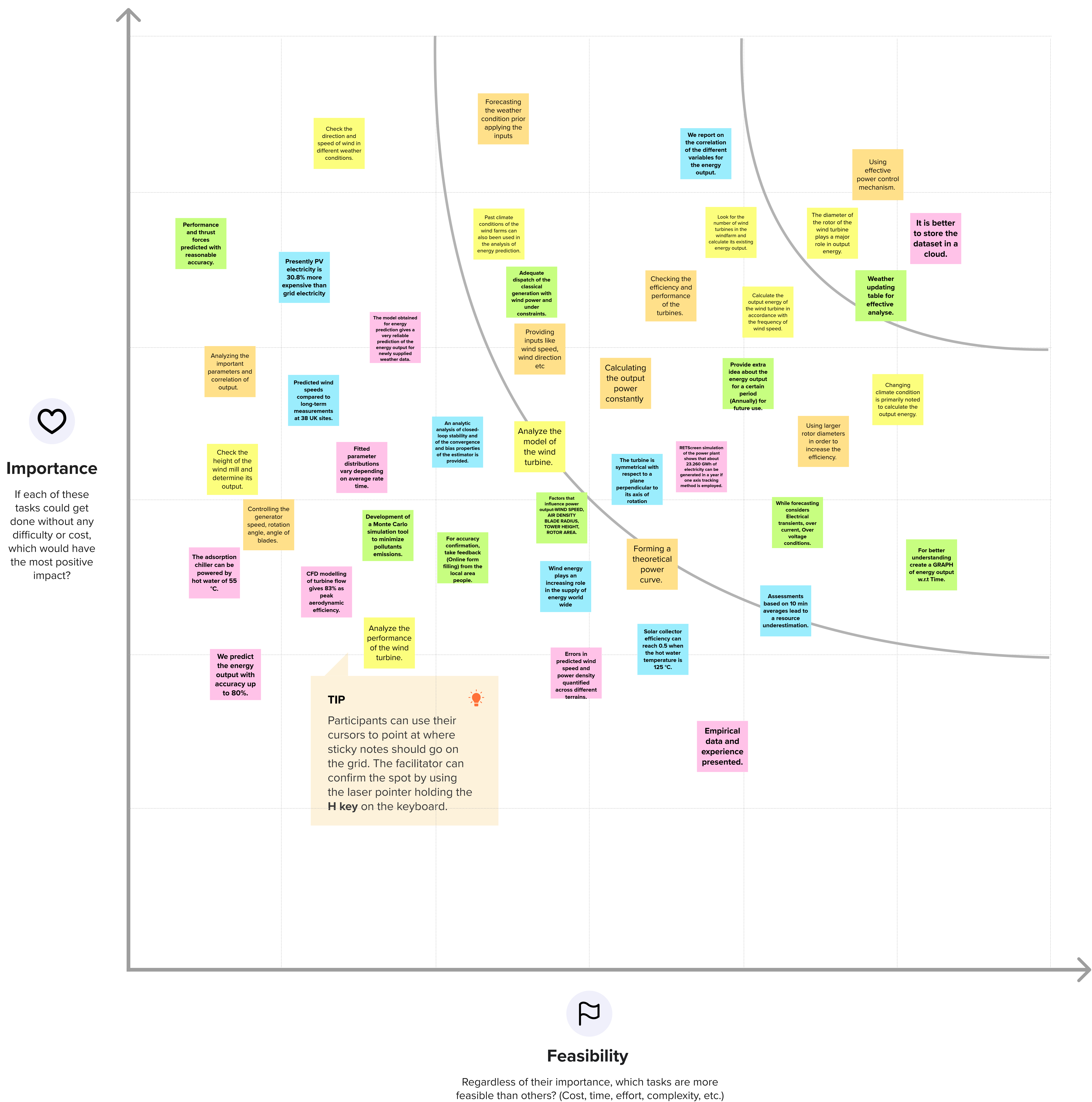
CFD modelling of turbine flow gives 83% as peak aerodynamic efficiency.





Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

 **20 minutes**





## After you collaborate

You can export the mural as an image or pdf to share with members of your company who might find it helpful.

---

### Quick add-ons

- A

**Share the mural**  
**Share a view link** to the mural with stakeholders to keep them in the loop about the outcomes of the session.
- B

**Export the mural**  
Export a copy of the mural as a PNG or PDF to attach to emails, include in slides, or save in your drive.

---

### Keep moving forward

- Strategy blueprint**  
Define the components of a new idea or strategy.  
[Open the template →](#)
- Customer experience journey map**  
Understand customer needs, motivations, and obstacles for an experience.  
[Open the template →](#)
- Strengths, weaknesses, opportunities & threats**  
Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.  
[Open the template →](#)

---

[Share template feedback](#)