Introduction to rapid prototyping

Open Doors Event 15.02.23
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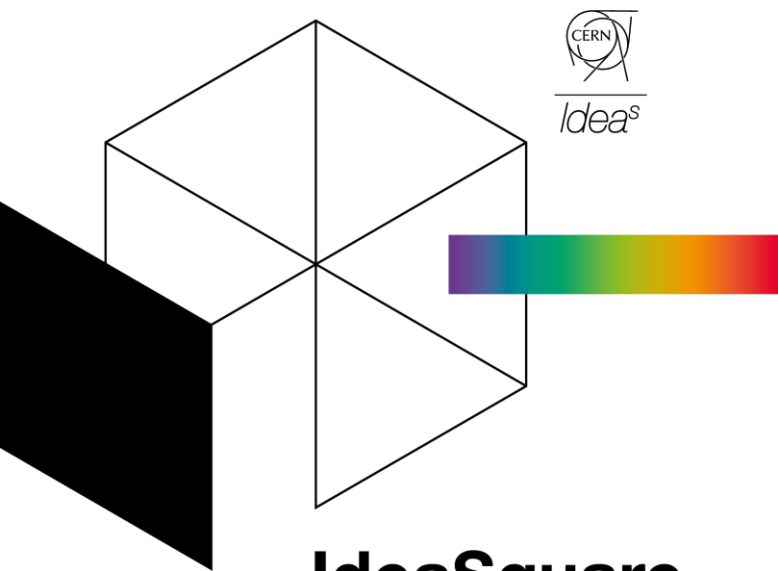
CERN

Idea^s

Outline of workshop

Split into teams of two

Problem description

Solution exercises
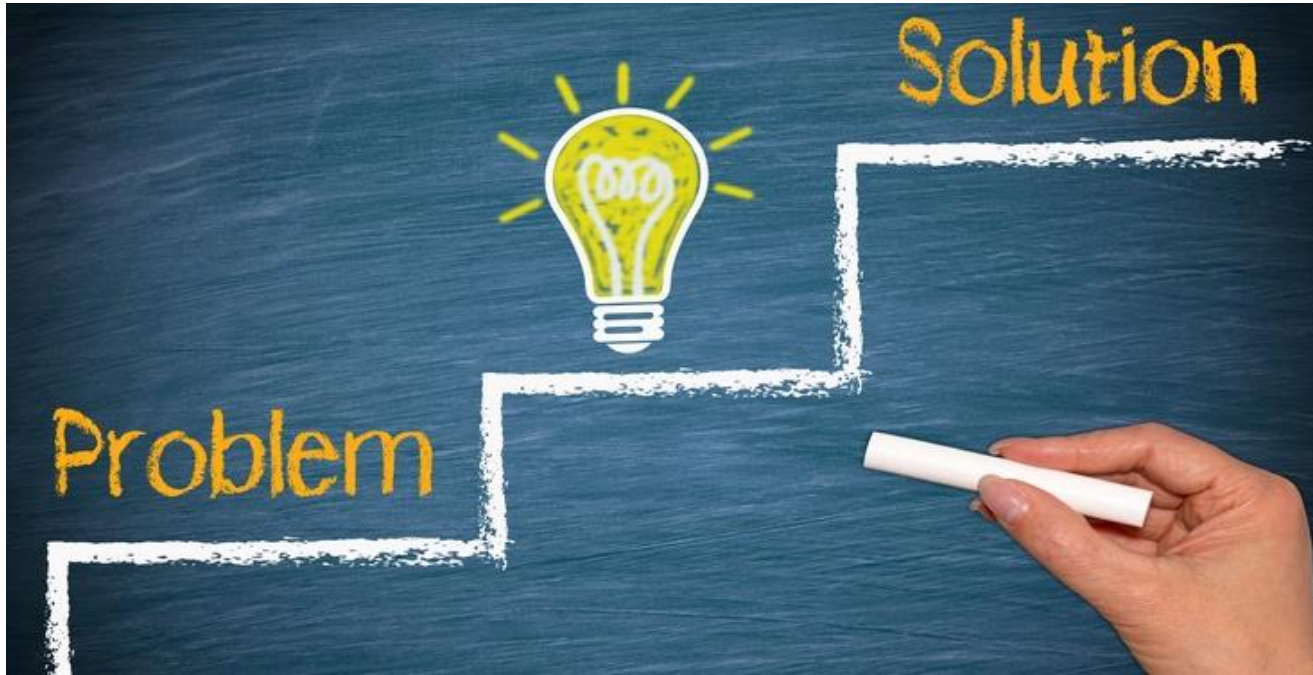
Reflection (and coffee ☕)

Idea

noun

1 any conception existing in the mind as a result of mental understanding, awareness, or activity.

Who brought their own idea?

Problem statement

a short, clear explanation of an issue or challenge that sums up what you want to change

Challenges
~~Problems?~~

Problem statement

One sentence per point

1. Contextualize the problem. What do we already know?

2. Describe the exact issue you will address. What do we still need to know?

3. Show the relevance of the problem. Why do we need to know more about this?

Time's up!

5 minutes

Write your ideas
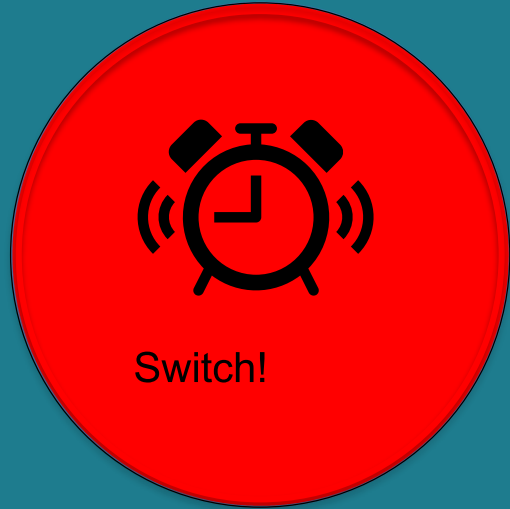This exercise is in silence

1. Write down one or more solutions to your problem

Time's up!

2 minutes

Explain the solution

1. Pick one of the solutions you wrote down

2. Explain it to your partner

3. The one with the longest hair begins

Switch!

2 minutes each

Explain the solution

1. Pick one of the solutions you wrote down

2. Explain it to your partner

3. The one with the longest hair begins

Time's up!

2 minutes each

Draw your idea

This exercise is in silence

1. Draw your idea on a sheet of paper

Time's up!

2 minutes

Explain the solution

1. Explain your drawing to your partner

2. The one with the darkest pants begins

Switch!

1.5 minutes each

Explain the solution

1. Explain your drawing to your partner

2. The one with the darkest pants begins

Time's up!

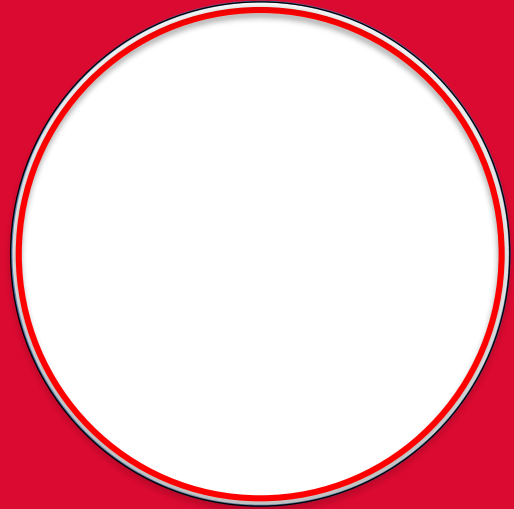1.5 minutes each

Prototype your idea

1. Get a prototyping box and start building a prototype of your idea

2. If there is not enough boxes for each team – share!

Time's up!

7 minutes
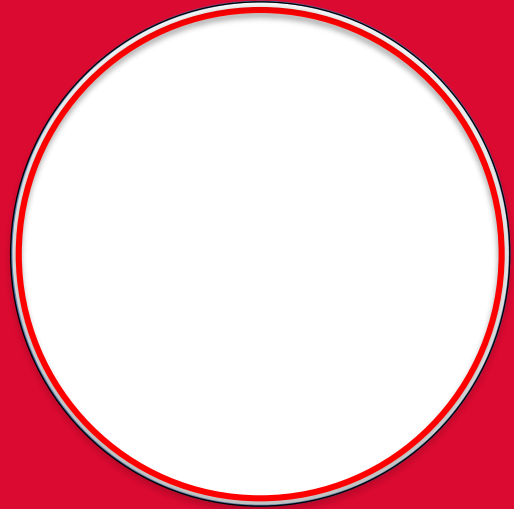
Explain the prototype

1. Explain your prototype to your partner

2. The one with the longest nails begins

2 minutes each

Explain the prototype

1. Explain your prototype to your partner
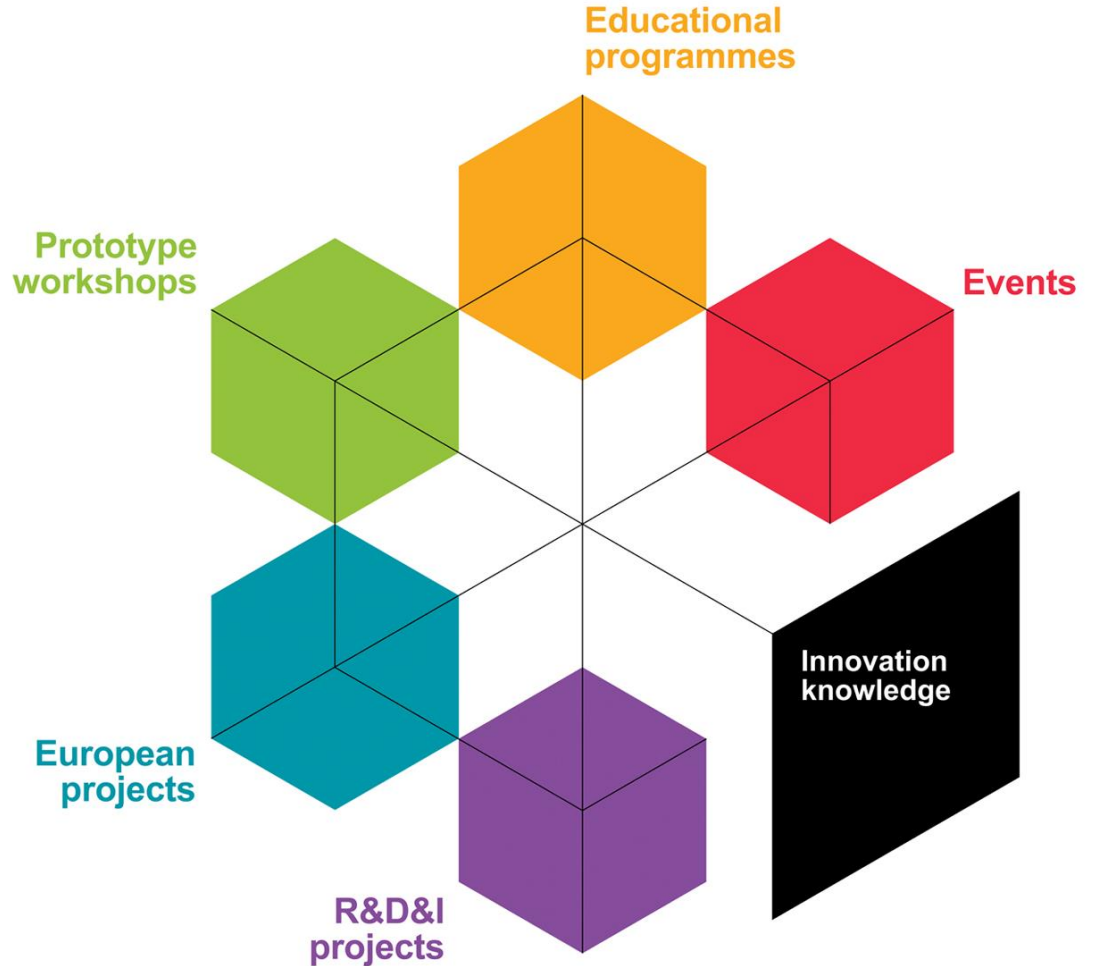
2. The one with the longest nails begins

2 minutes each

Reflection

How was this
experience?

Do you take anything
with you from this
exercise? If yes, what?

Thank you for your time!