Problem tree analysis

Step 1: Brainstorm all the problems

Think about:
The problems that exist in your education context
The problems that exist in your Wikimedia community
Problems existing in currently running Wikimedia education programs

Example:
Educational resources in our mother tongue are very few and outdated

Example:
Teachers don't feel comfortable using digital tools

Example:
Didactic resources in our mother tongue are very expensive

Example:
Teachers have a very traditional approach to teaching

You can list as many problems as you can think of...
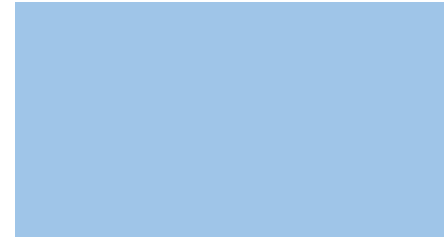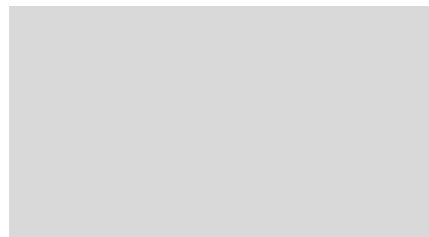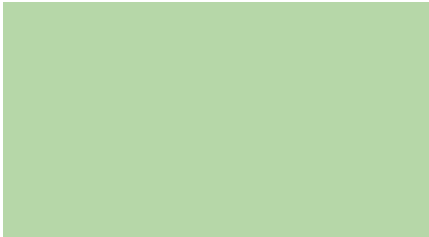
Step 2: Share and consolidate

Find common themes in the problems you listed and group them accordingly

Educational resources in our mother tongue are very few and outdated

Teachers don't feel comfortable using digital tools

Didactic resources in our mother tongue are very expensive

Teachers have a very traditional approach to teaching

Synthesize the problems that are similar or share common elements on a new set of cards

Education resources in our mother tongue are few, outdated, and inaccessible

Step 3: Brainstorm root causes

Do a 5 Whys activity for the cards on your slide and write the root causes under each card

Problem Education resources in our mother tongue are few, outdated, and inaccessible	**Problem**	**Problem**
Causes **1.** Mainstream education is given in a different dominant language **2.** Government doesn't invest in creating education resources in our mother tongue **3.** Government officials don't see the benefit of mother tongue education **4.** Industries, businesses, policies are conducted in dominant language **5.** Speakers of our mother tongue live in less economically developed areas	**Causes** 1. 2. 3. 4. 5.	**Causes** 1. 2. 3. 4. 5.

Step 4: Brainstorm effects

Change cards with another group. The group should read the root causes on the back of their new cards and on the blank card beneath write down what they think are the effects of these problems. Not only low level effects, but also societal level effects.[2]

Problem	Problem	Problem
Education resources in our mother tongue are few, outdated, and inaccessible		

Effects
- Students present poor academic performance in school
- Our ancestral knowledge and traditions are slowly disappearing
- Younger generations grow up without a strong connection to our roots and traditions
- Adults who only speak our mother tongue don't have access to new learning opportunities
- Students have to learn from education resources that don't respond to our reality

Effects
-
-
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Effects
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Step 5: Create a problem tree

Effects

Students present poor academic performance in school

Our ancestral knowledge and traditions are slowly disappearing

Adults who only speak our mother tongue don't have access to new learning opportunities

Students have to learn from education resources that don't respond to our reality

Problems

Problem
Education resources in our mother tongue are few, outdated, and inaccessible

Root causes

Mainstream education is given in a different dominant language

Government doesn't create education resources in our mother tongue

Government officials don't see the benefit of mother tongue education

Speakers of our mother tongue live in less economically developed areas