# Climate Educators Network

Driving a rich and forward-looking climate education for active citizens of the future.

Paula Ikonen, Aybars Senyildiz, Zhiwen (Wen) Yap, Felix Zelck Design for Government 2020

# WHO ARE WE?









Paula Ikonen

MA Creative Sustainability

Aybars Senyildiz

MA Creative Sustainability

Zhiwen (Wen) Yap

MA Collaborative and Industrial Design

Felix Zelck

MA Collaborative and Industrial Design

# OUR RESEARCH PROCESS

SHIFT TO REMOTE WORK 2

Kick-off Workshop

and mapping the stakeholders

Online Interviews

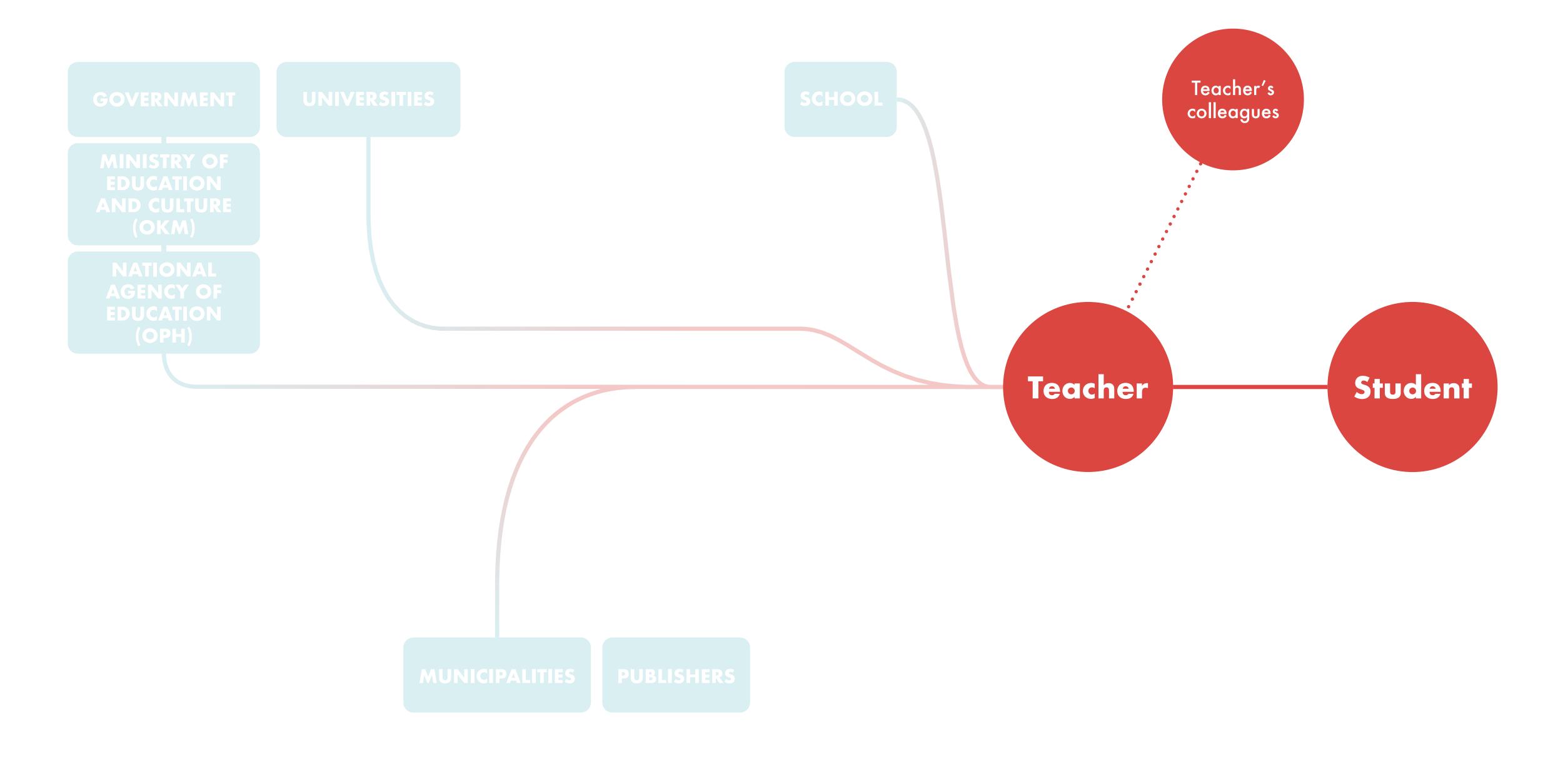
with climate education experts, teachers, and principals

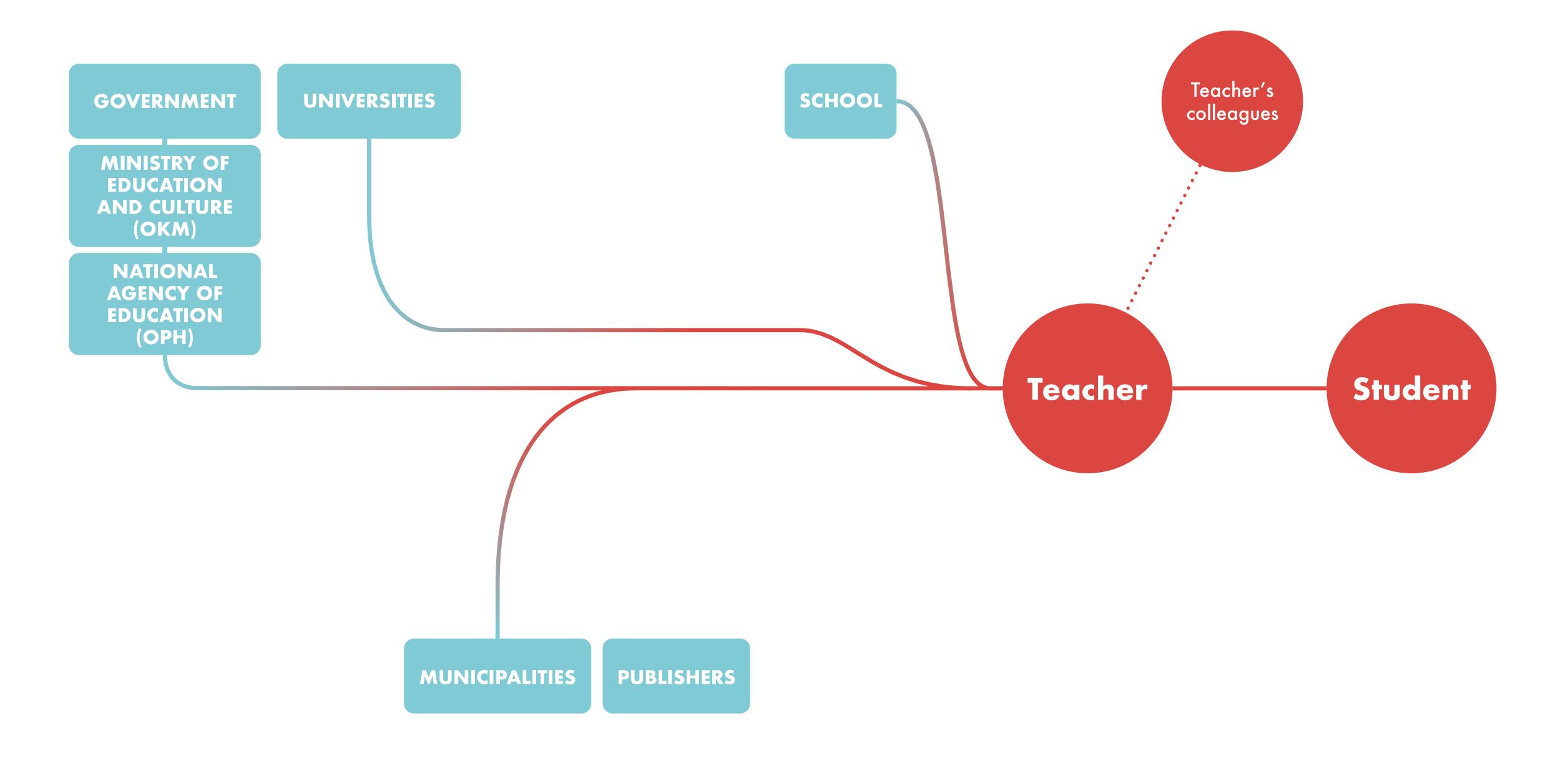
Analysis & Insights

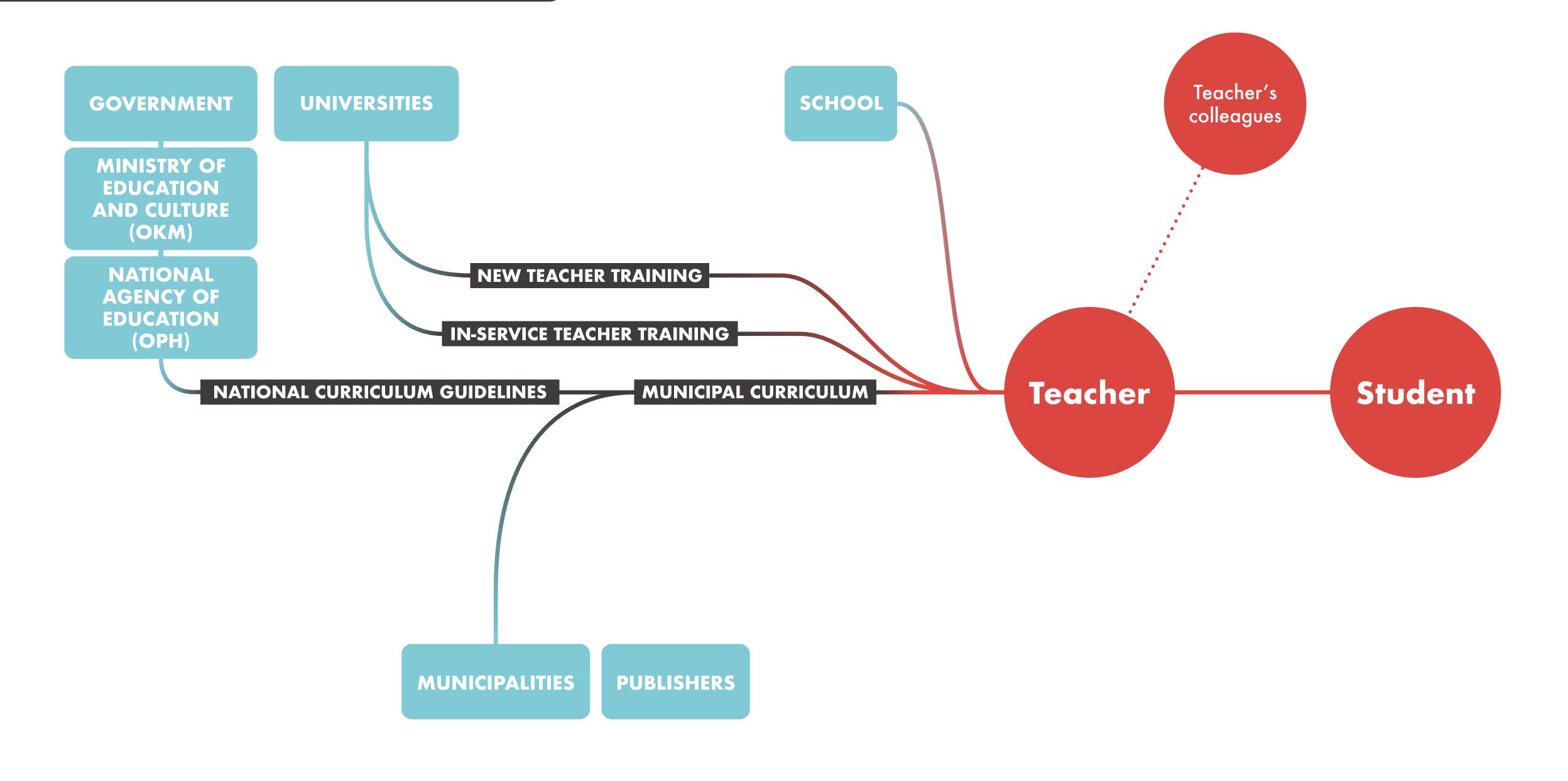
to find leverage points

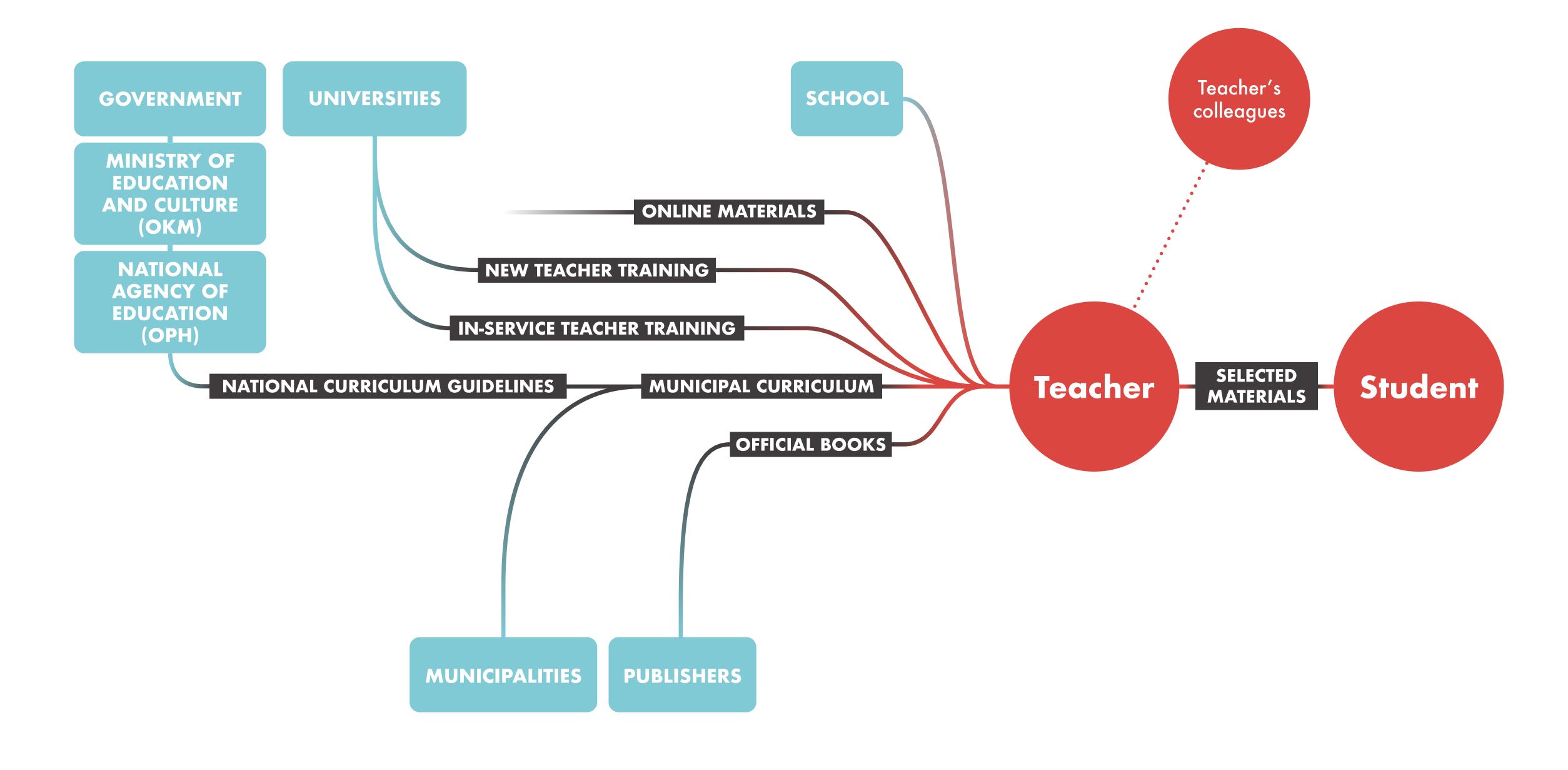
Creating a proposal

by brainstorming & developing an intervention

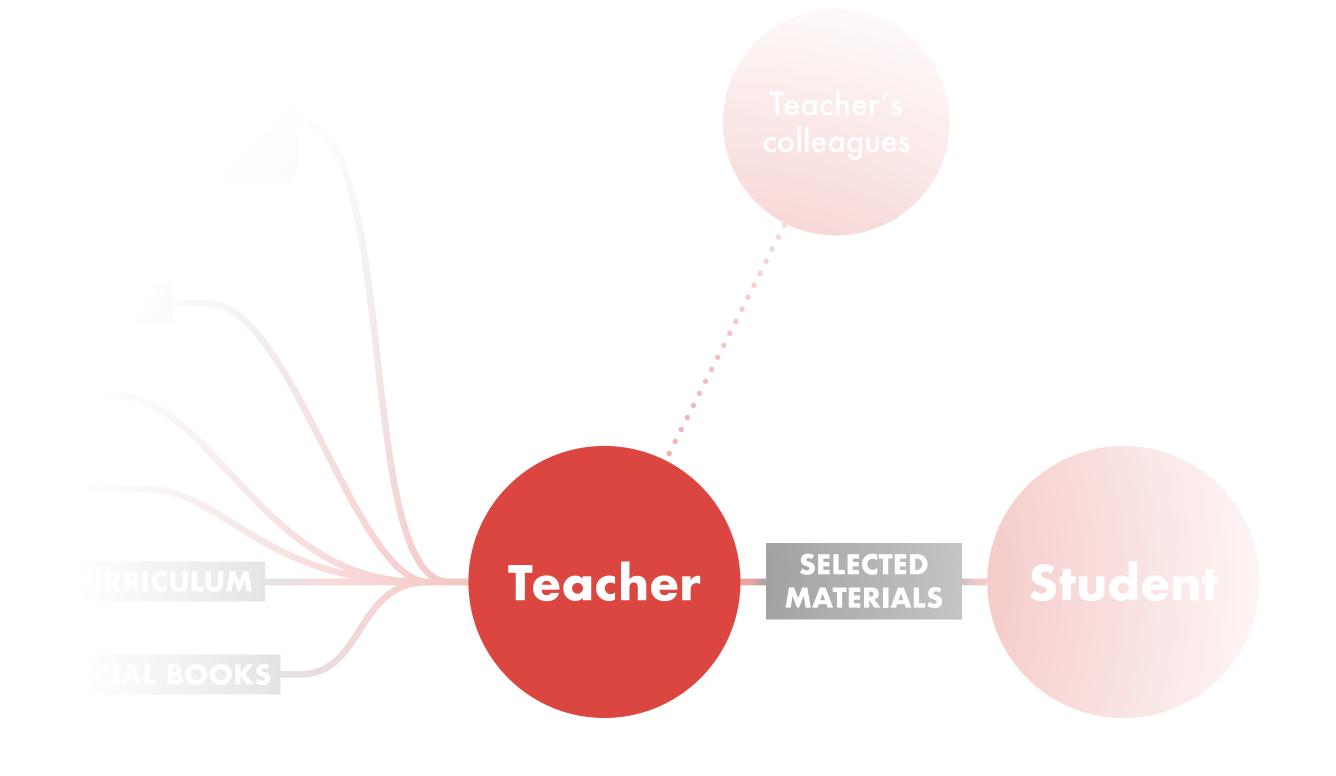






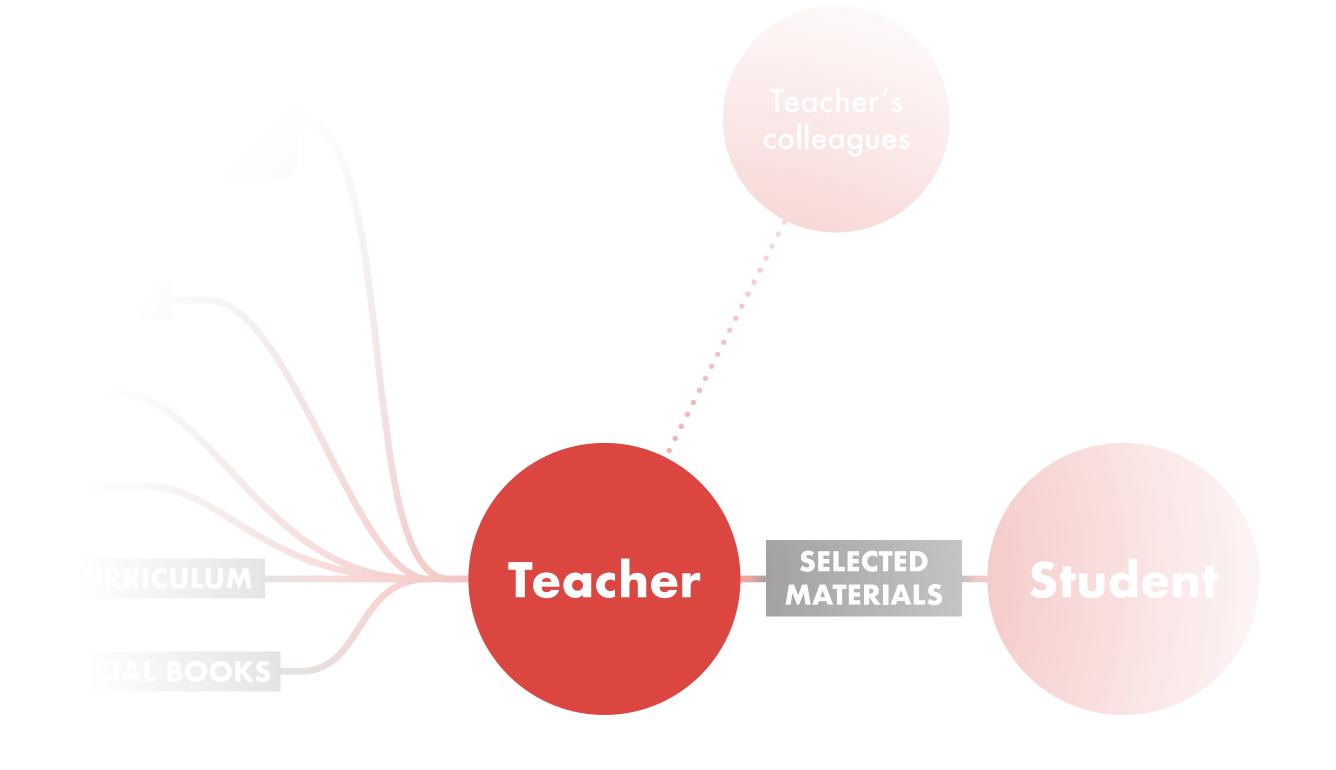


Open-ended Curriculum and Trust in Teachers enable "Teacher Autonomy".



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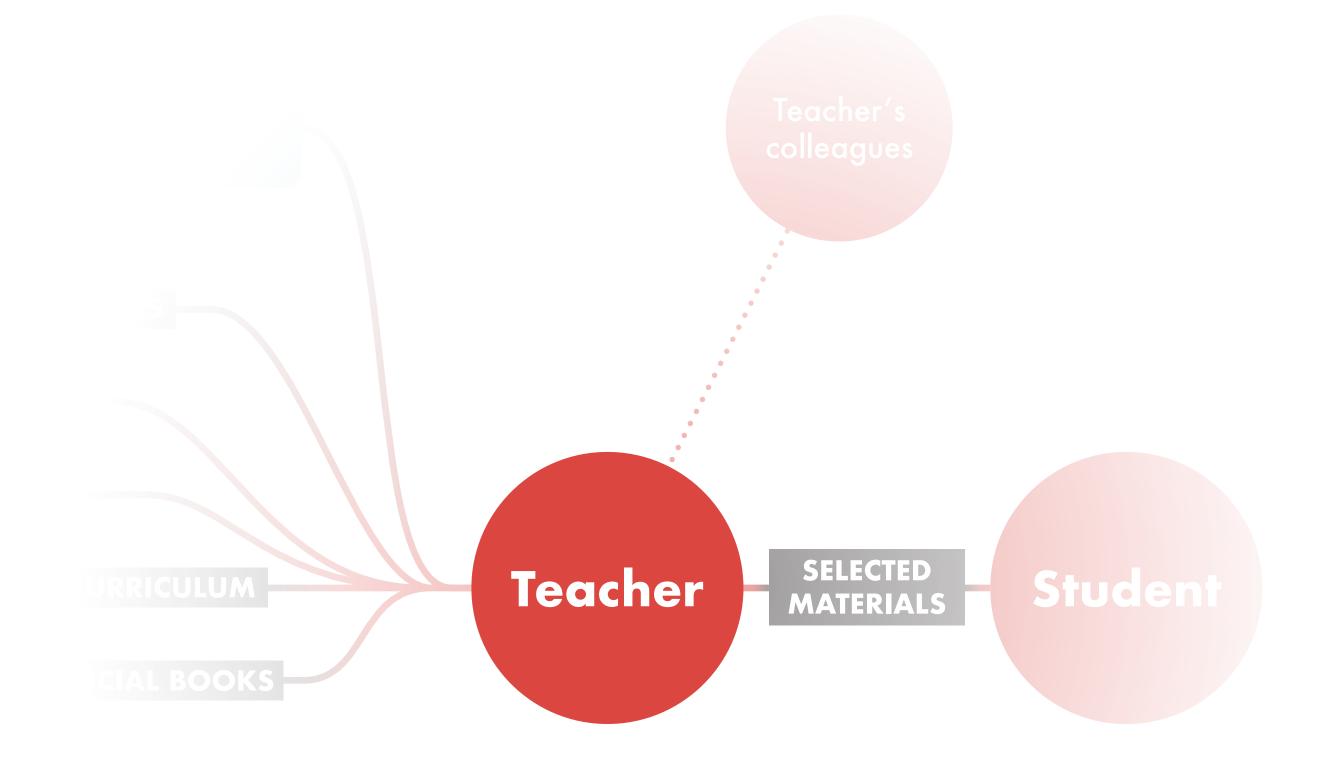
Climate Change is a complex and politically charged topic which may cause lack of confidence for some teachers.



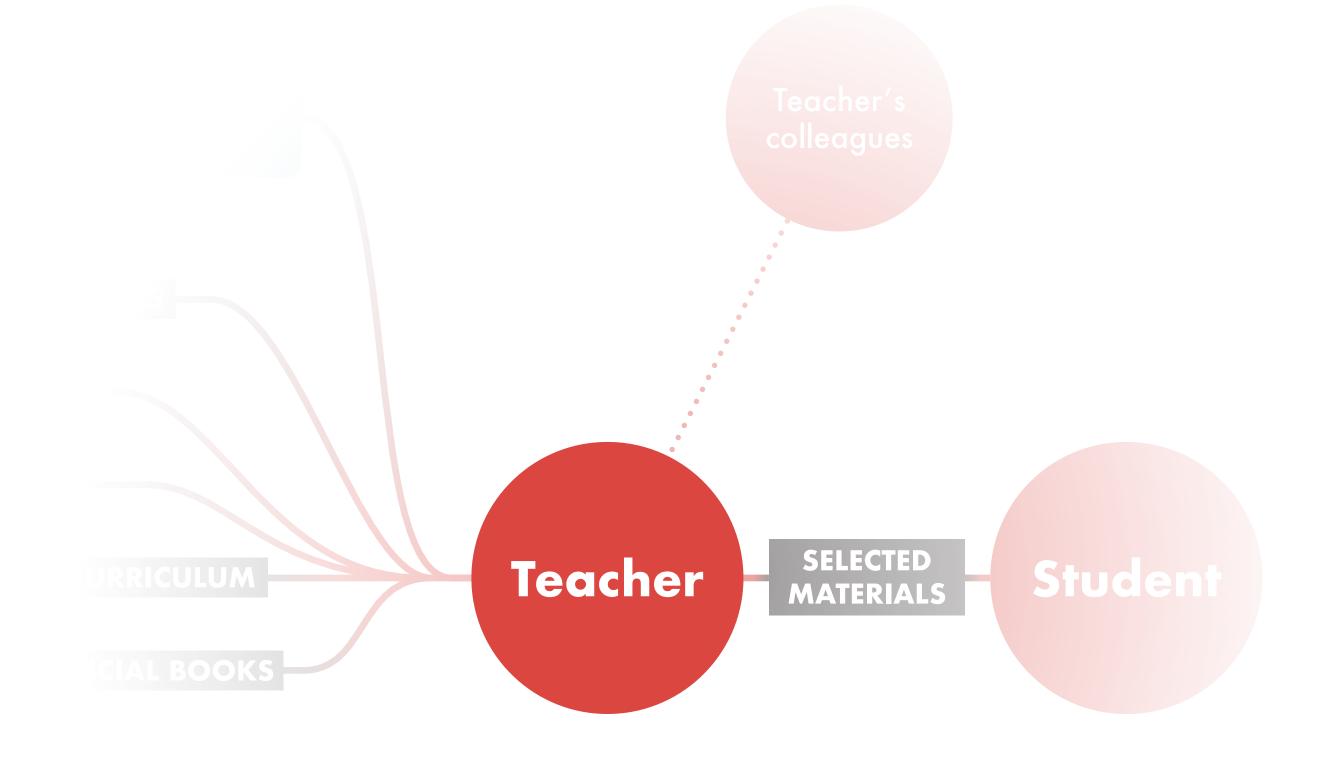
Open-ended Curriculum and Trust in Teachers enable "Teacher Autonomy".

Climate Change is a complex and politically charged topic which may cause lack of confidence for some teachers.

Peer support could help unconfident teachers, however it depends on time availability.



Hence, whether or not each teacher incorporates CE into teaching depends on their time availability, personal interest, and confidence handling this complex topic.



Teachers are really eager to do climate change education, but some are totally lost about what to do.

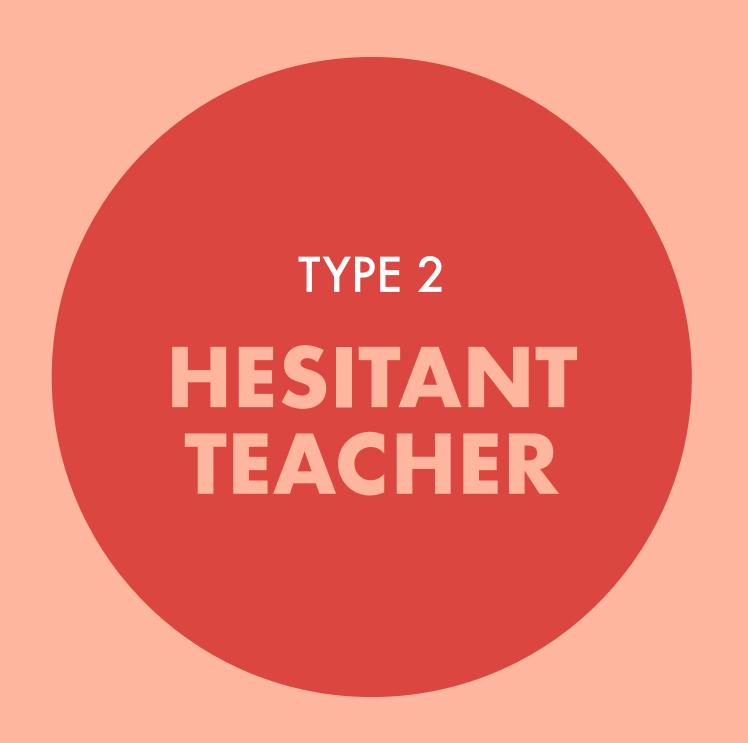
- Climate Education Researcher, WWF Finland

- Teachers are really eager to do climate change education, but some are totally lost about what to do.
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- Teachers have too much work and too many things on their minds. There's no time that's devoted only for developing climate change education.
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- Teachers have too much work and too many things on their minds. There's no time that's devoted only for developing climate change education.
  - Climate Education Researcher, WWF Finland

- We don't know everything, but we know how to find information ... These human skills — talking, speaking — are the most important skills that we need.
  - Middle School Principal, Uusimaa





Saara



CONFIDENT TEACHER Jukka



HESITANT TEACHER

## Jukka

Hi, I'm Jukka!



Chemistry teacher
 at a middle school
 in Tampere

Over 10 yearsof experience

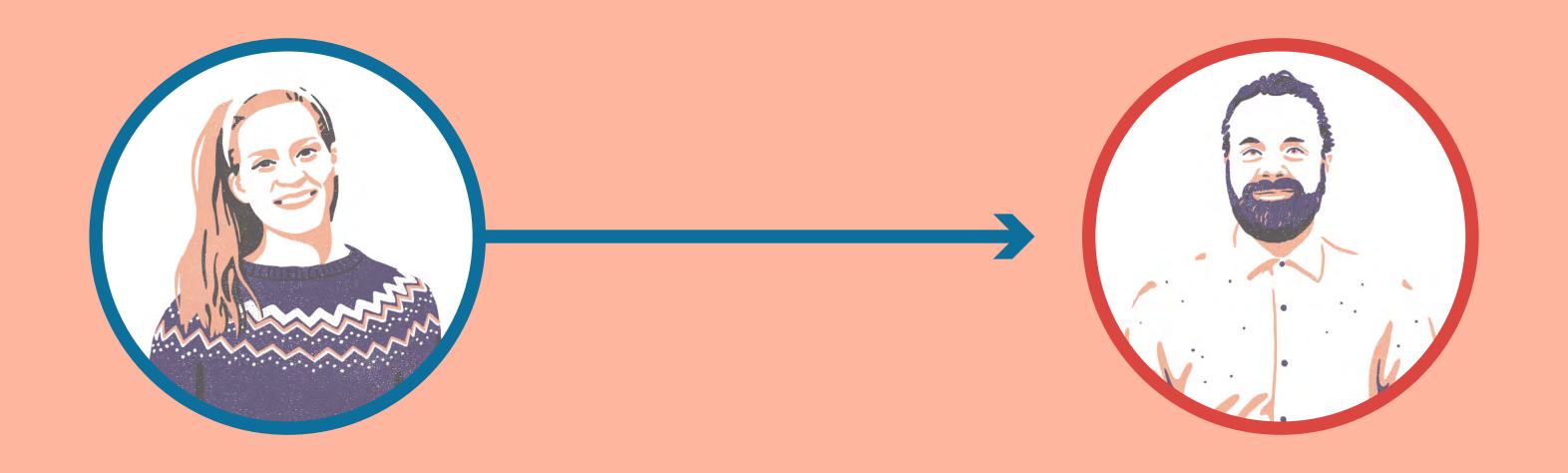
## Jukka

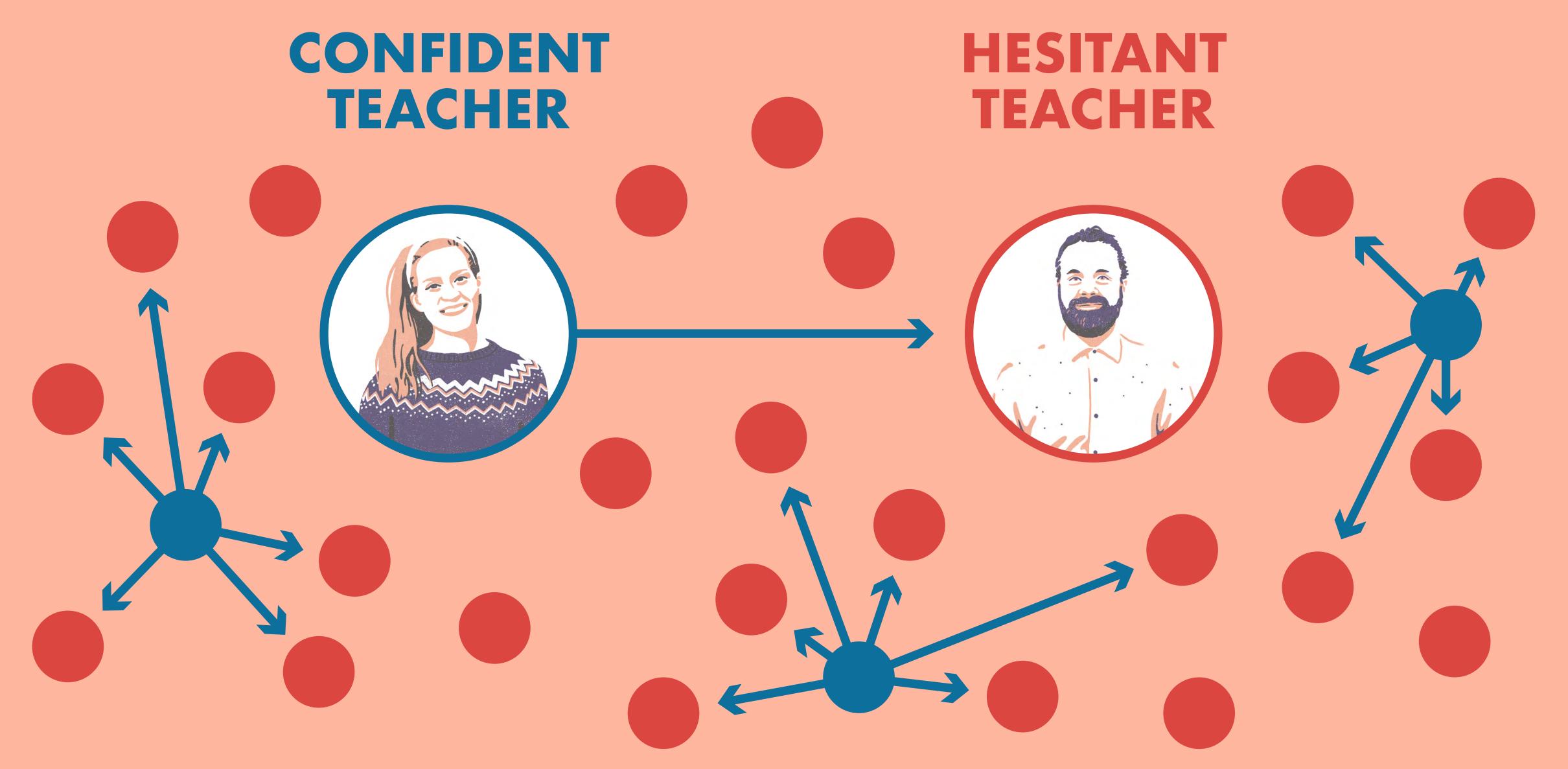


I want to do climate education, but climate change is such a complex topic that I don't know enough to teach it confidently!

### CONFIDENT TEACHER

### HESITANT TEACHER





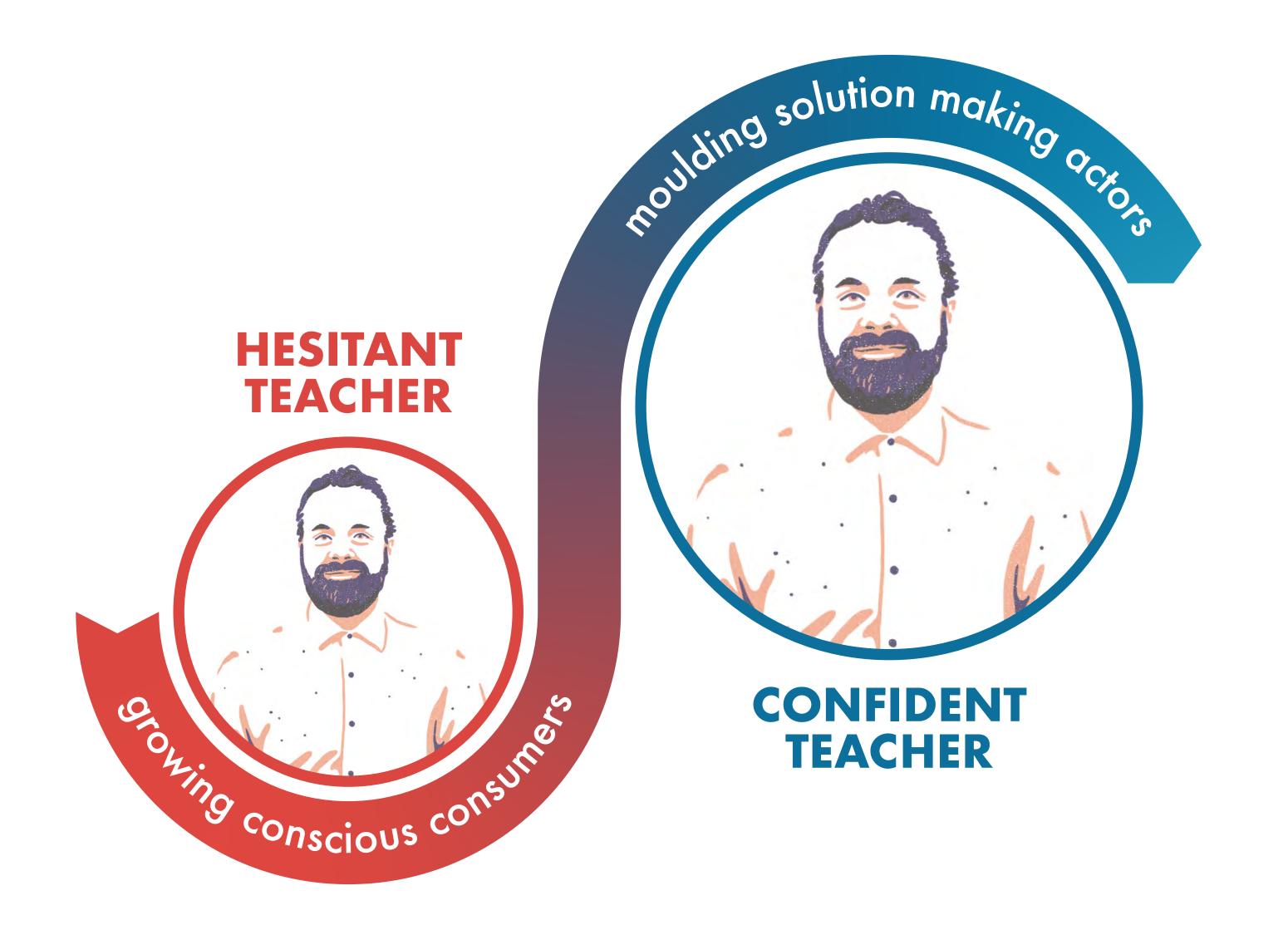
# OUR INTERVENTION AIMS TO...

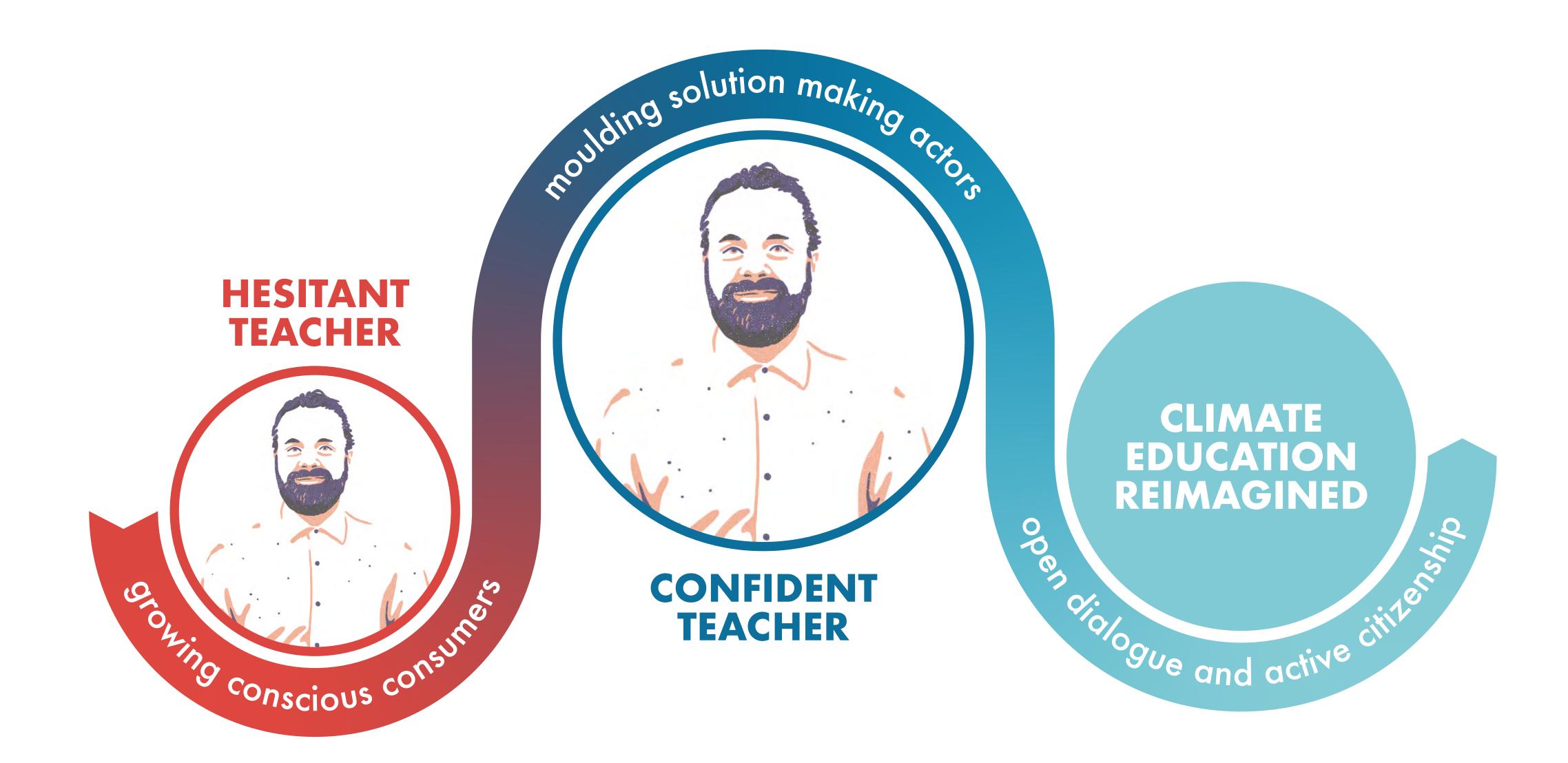
Empower teachers to be confident, not uncomfortable or fearful of, facilitating discussions on climate change with students.

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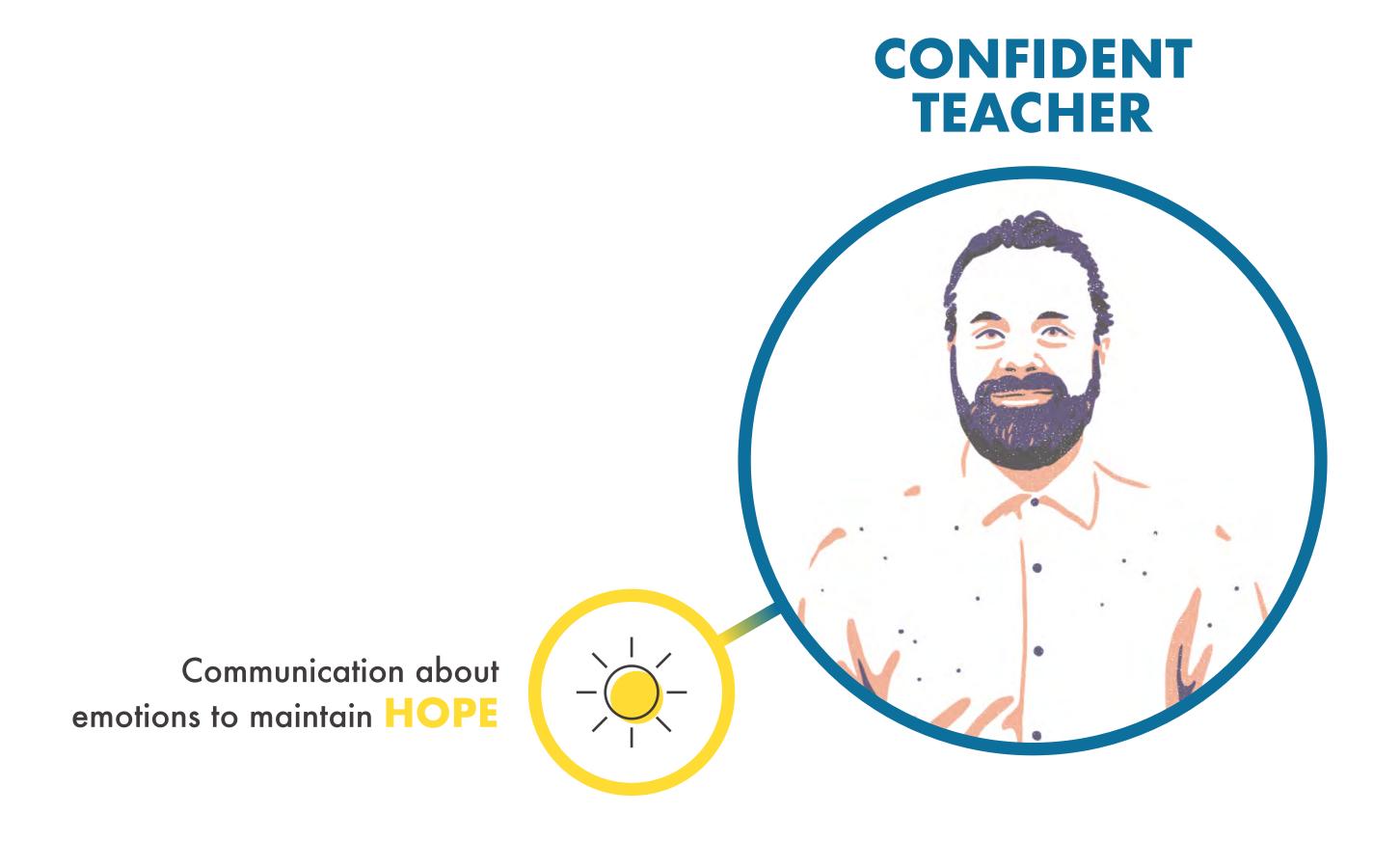
Embed climate education into every class and subject.

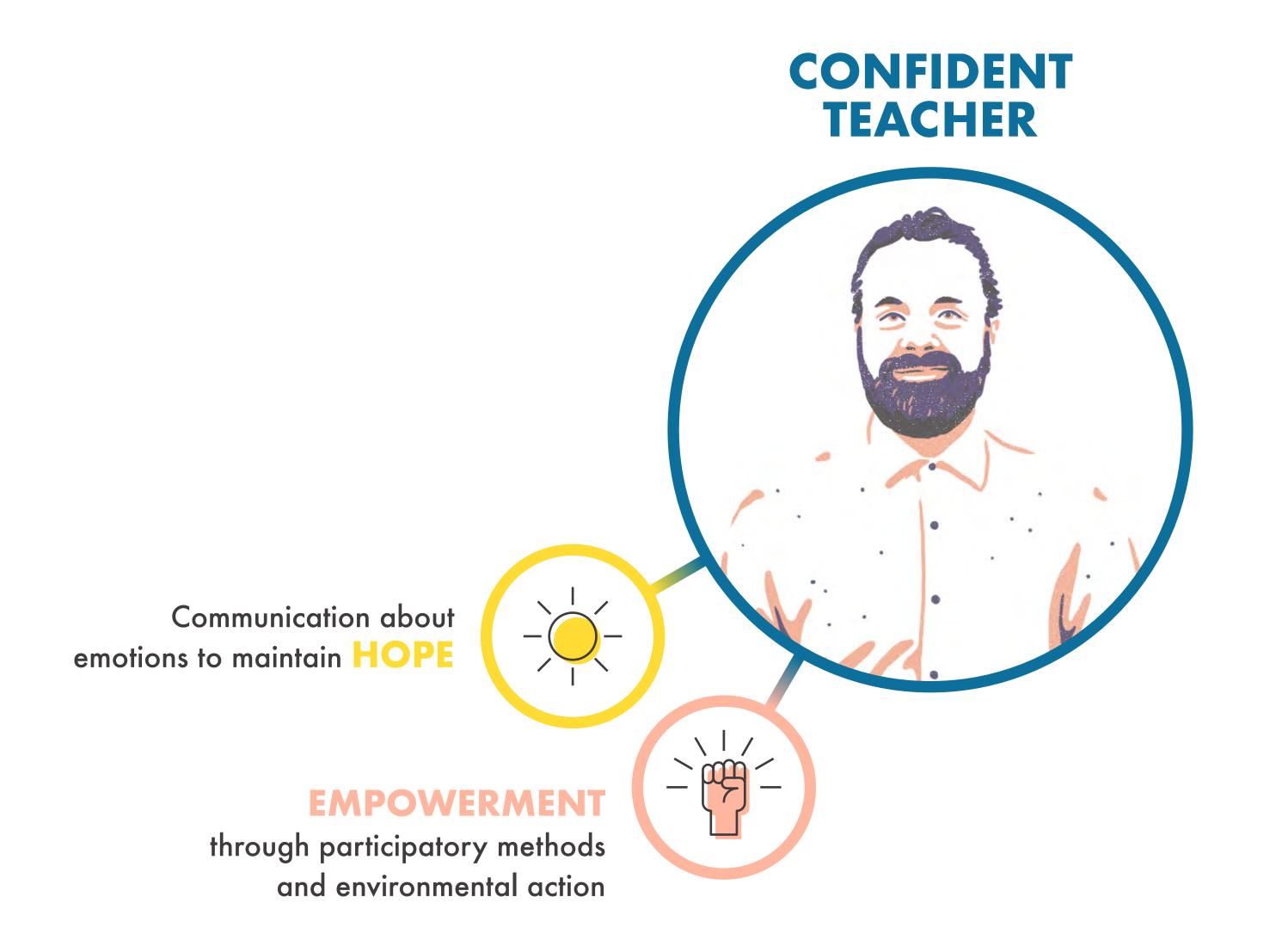


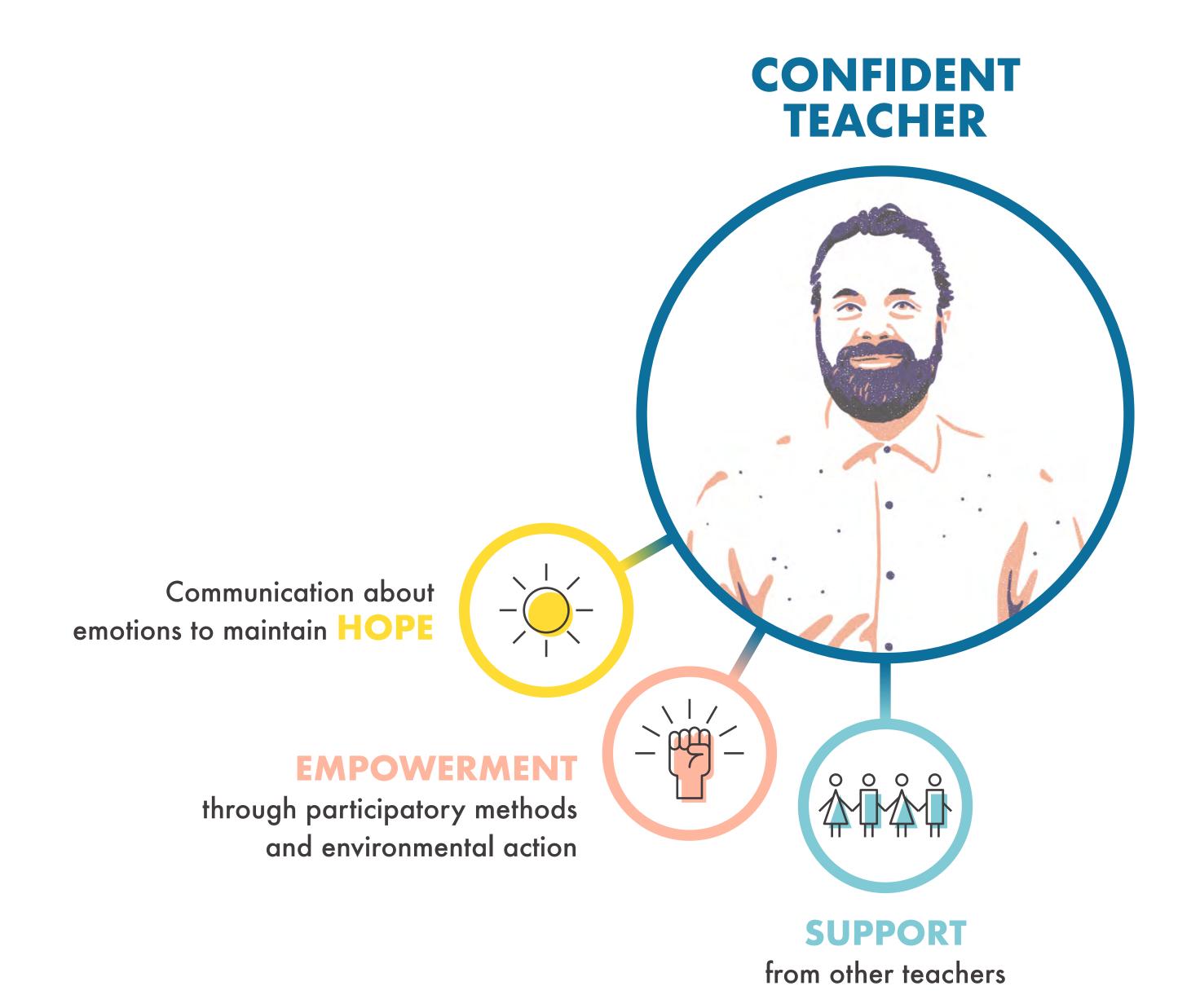


# CONFIDENT TEACHER

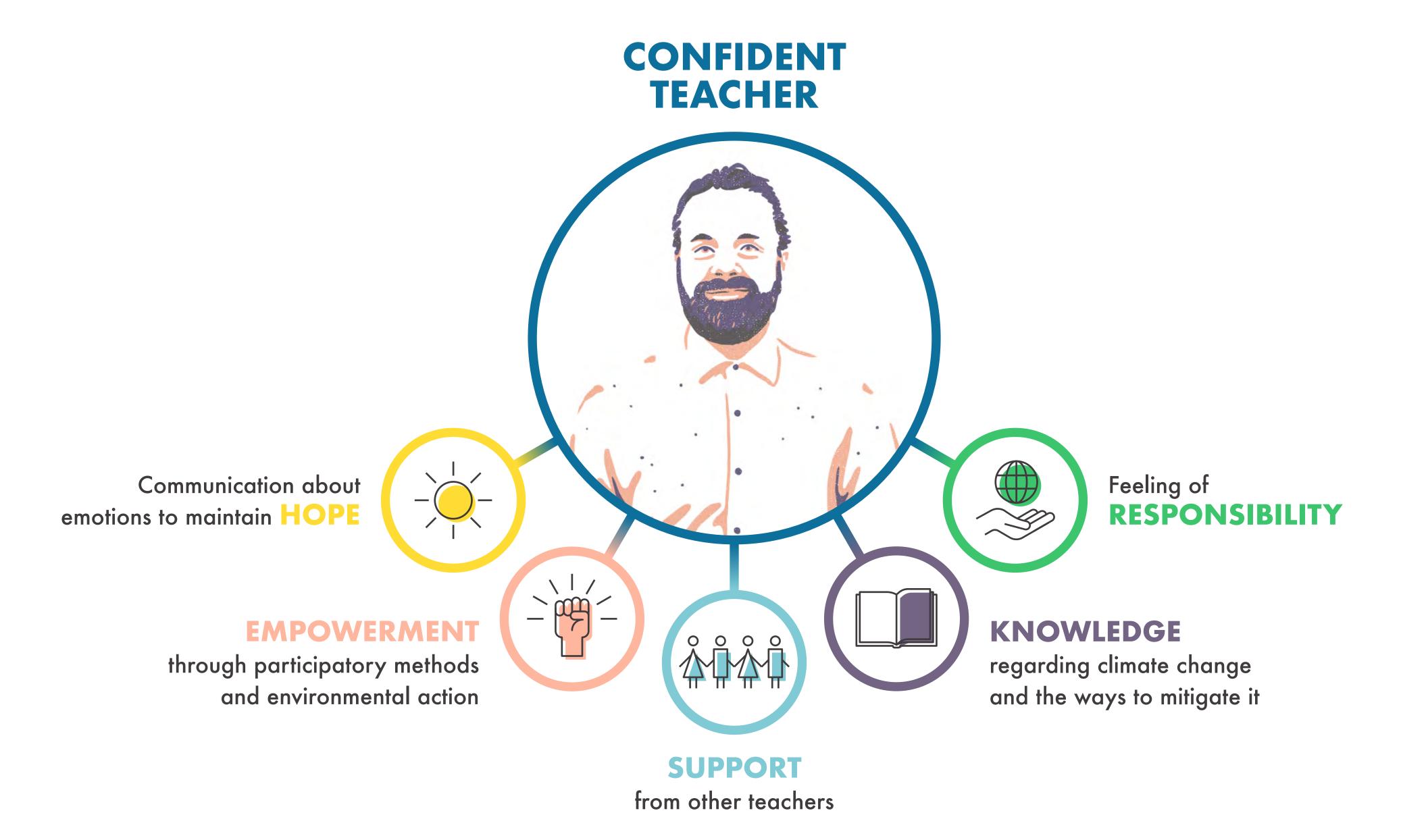








## CONFIDENT **TEACHER** Communication about emotions to maintain HOPE **KNOWLEDGE EMPOWERMENT** through participatory methods regarding climate change and environmental action and the ways to mitigate it **SUPPORT** from other teachers



# Climate Educators Network

### INSIGHTS

Incorporating Climate Education depends on:

TEACHER'S CONFIDENCE

TIME AVAILABILITY

PERSONAL INTEREST

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## SOLUTION

A starter kit and platform to onboard teachers to a new climate education approach, and kickstart a growing exchange of knowledge and experience.

# Climate Educators Network

### INSIGHTS

## SOLUTION

### OUTCOME

Incorporating Climate Education depends on:

TEACHER'S CONFIDENCE

TIME AVAILABILITY

PERSONAL INTEREST

A starter kit and platform to onboard teachers to a new climate education approach, and kickstart a growing exchange of knowledge and experience.

A network
driving a rich and
forward-looking
climate education
for active citizens
of the future.

#### PART 1

#### Conversation Starter Kit



**TOOLKIT** distributed by government to schools for teachers to start climate education

#### **INTRODUCES AND ANCHORS**

new climate education framework

INVITATION for teachers to join Climate Educators platform and network







Dear Teacher,

Climate change is the greatest and most complex challenge faced by our generation, and the younger generation with whom you interact daily. We have no time to lose in this battle, which needs to be fought across all segments of society, business, and government.

Hence, Finland is introducing a new national framework for climate education, with focus on fostering open dialogue and active citizenship. This toolkit you are receiving, alongside our newly launched online platform, are central elements of our nationwide drive to improve the way climate education is done in Finland.

As teachers, you play an influential role in educating the younger generation in their understanding of and response to climate change. Your students are our future, and will grow up to shape our society's collective response to climate change. This is why we are calling on you to embed climate change education into your teaching, to openly discuss this topic with your students (no matter how complex it might seem), to empower them to see themselves as part of the solution now and in the future.

Let's Talk About Climate is a set of conversation starters for you to use with students. The questions cover a range of topics and entry points to the issue of climate change. Some will help students open up about their emotions and thoughts relating to climate change, some guide them to investigate causes and potential solutions to specific problems, while others trigger broader reflections on systemic interventions. You may need to select the cards that are most relevant to your students, based on their age, level, and subject(s) you teach. Some suggestions for how to make these selections are also included in this toolkit.

We have also launched an **online platform** — **Climate Educators** (ilmastokasvattajat.fi). The platform features more curated climate education materials and guidance on their use, and channels for you to give and receive advice to fellow teachers. We hope this interactive resource will support you in initiating climate education in your schools, and connect you with teachers doing the same in other schools across Finland.

This is just the beginning of what we hope to achieve for climate education in Finland. We hope what we have started here will continue to grow and evolve, with your involvement and support. Thank you for joining us to shape our new generation of climate active citizens!

Warmly,
Anni Miettunen
Director, Learning and Internationalisation
Opetushallitus

What do you think and feel when you hear 'climate change'?

nat systems cause this and perpetuate this problem?

share openly, there are no wrong answer

LET

## Letter with call to action

Introduce new national framework for climate education



Dear Teacher,

Socie

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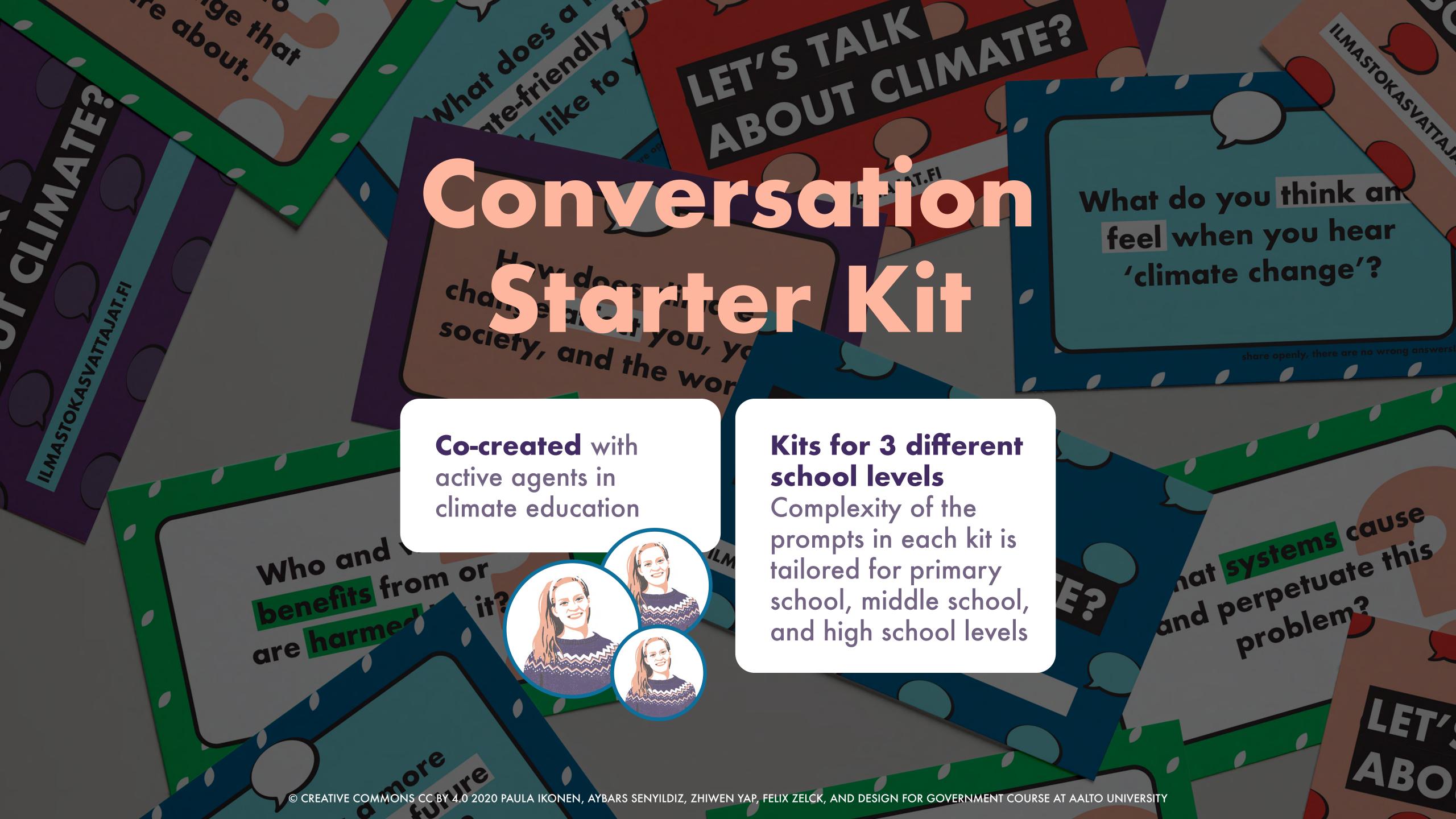
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Invitation to platform

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PART 1

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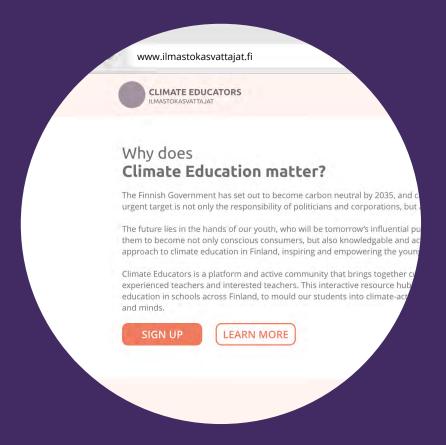
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PART 2

## Climate Educators Online Platform

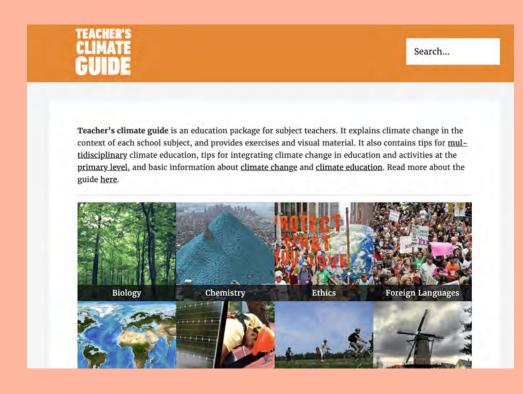


**CURATED** climate education resources

FORUM for teacher-to-teacher sharing

FEATURE and reward best practices

**CONNECT** climate educators across Finland to increase collaboration



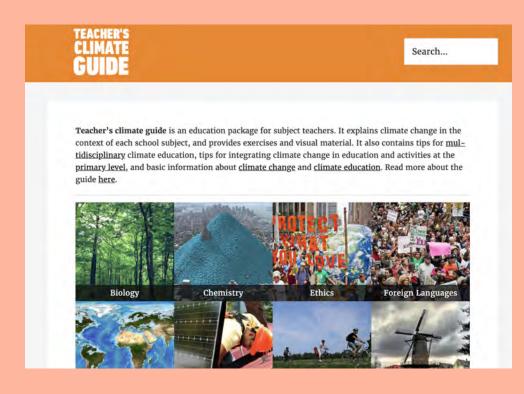
#### Open Ilmasto-Opas



Mappa Material Bank

## BUILDING ON EXISTING PLATFORMS

- ✓ rich information
- subject insight
- material



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Mappa Material Bank

#### BUILDING ON EXISTING PLATFORMS

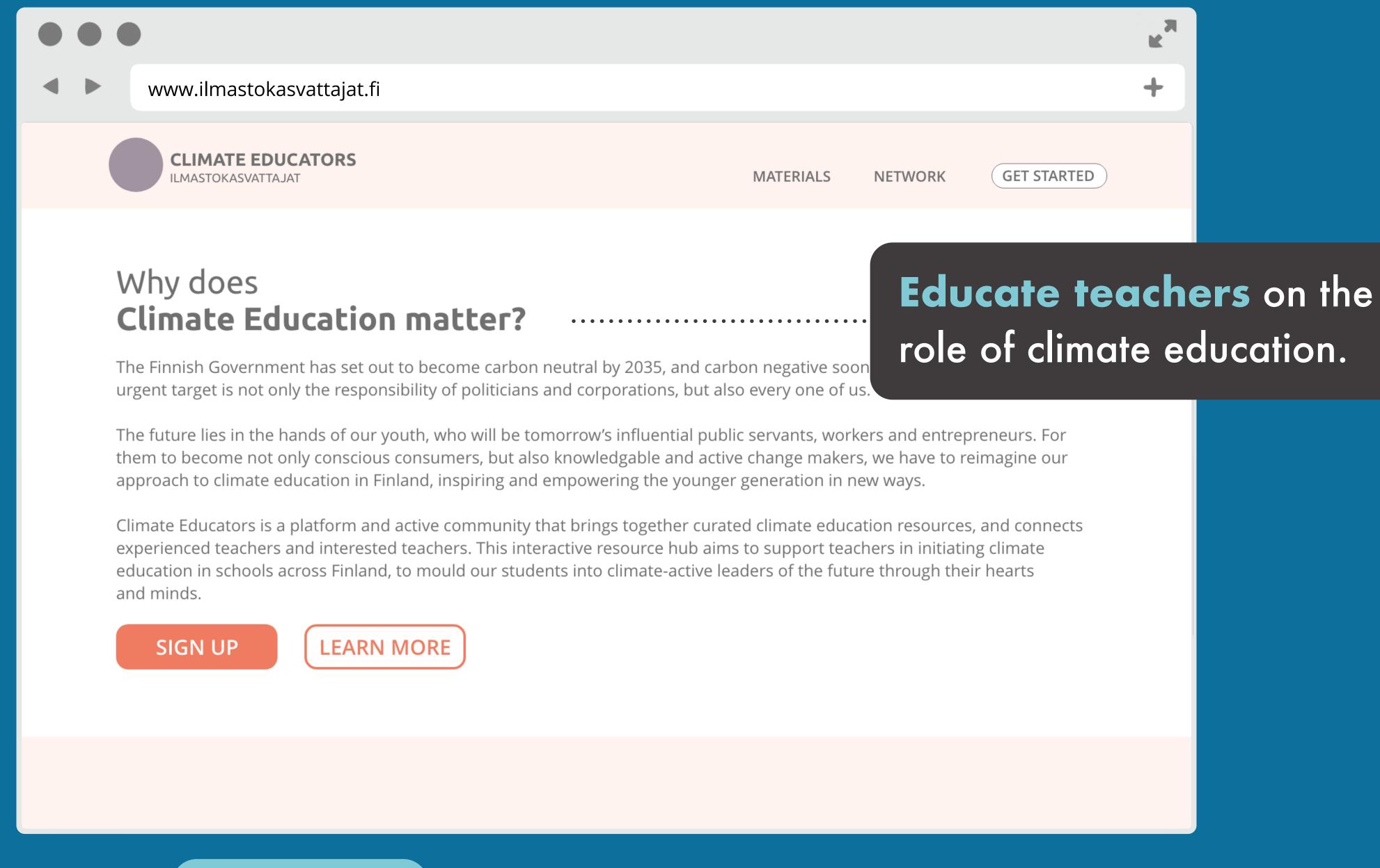
- rich information
- X step-by-step guide

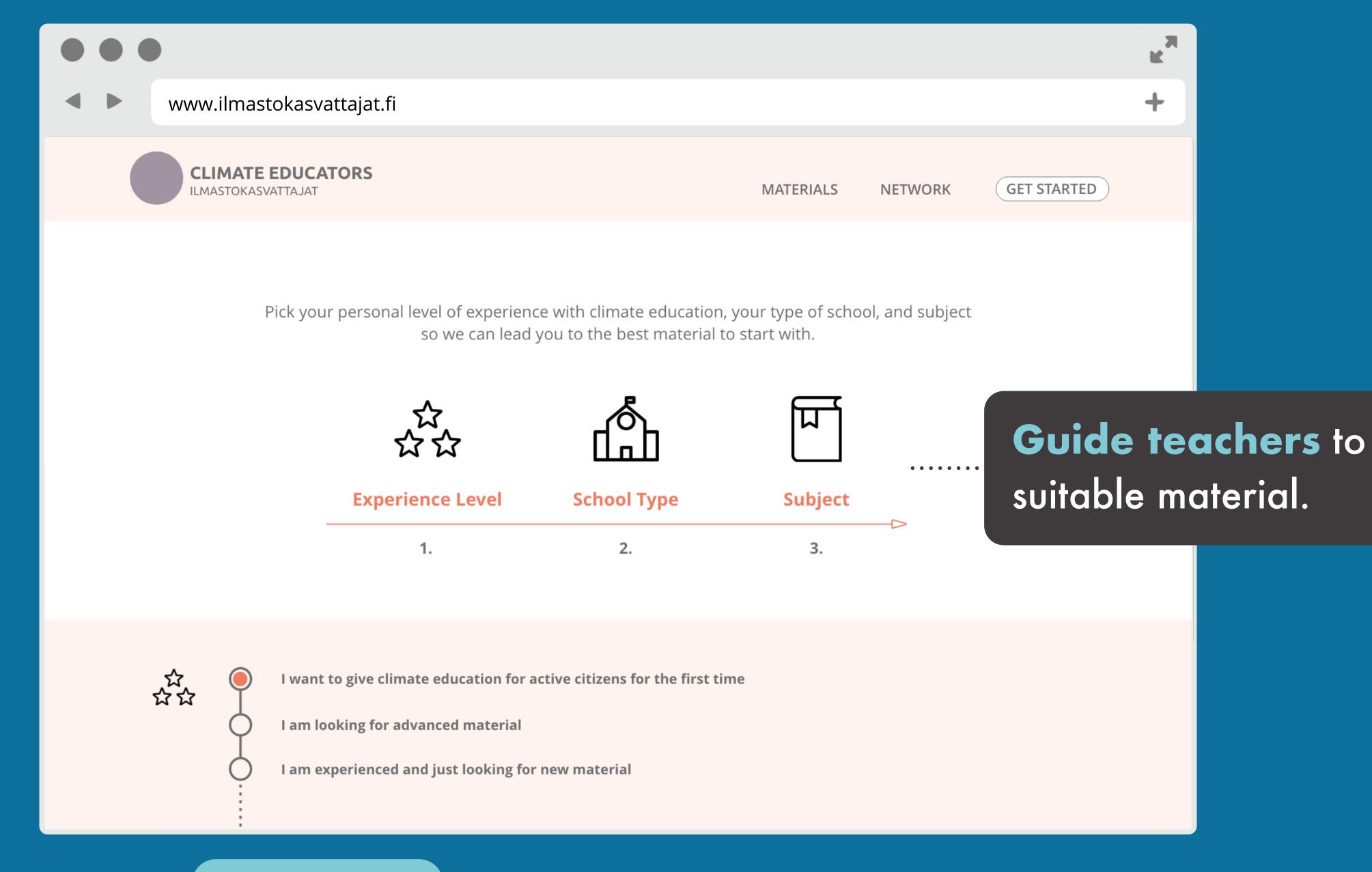
subject insight

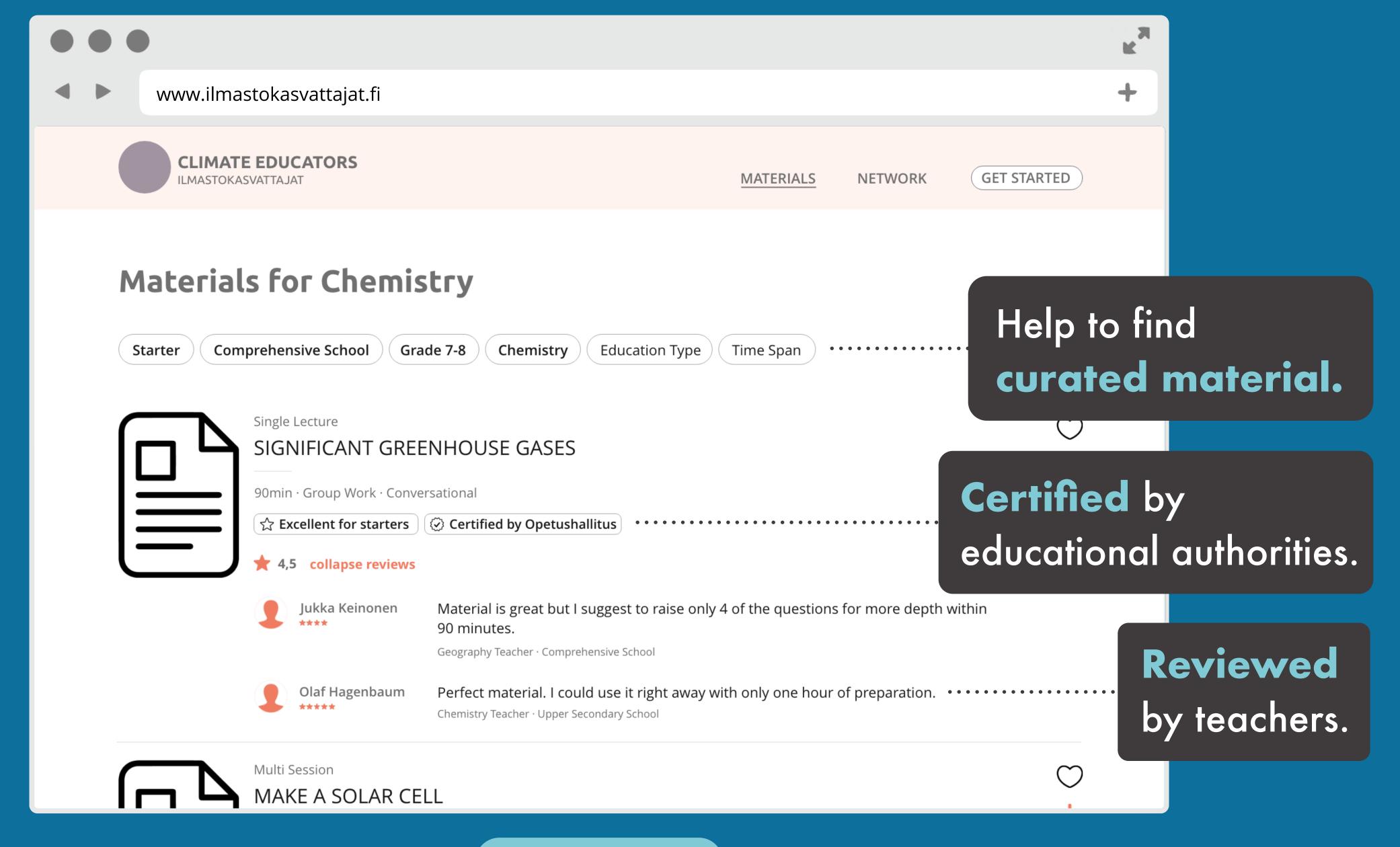
X material curation

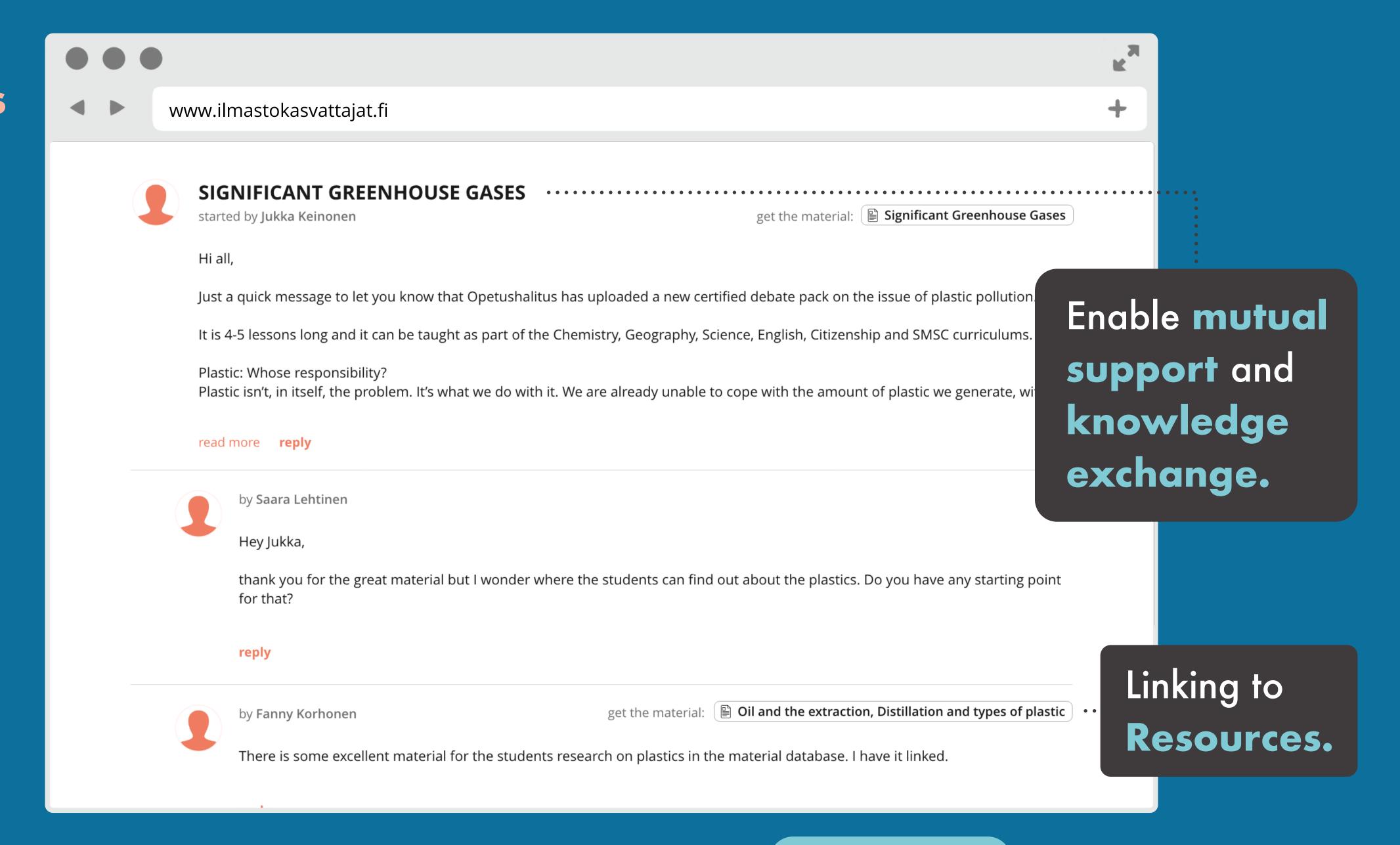
material

X teacher network









PART 1

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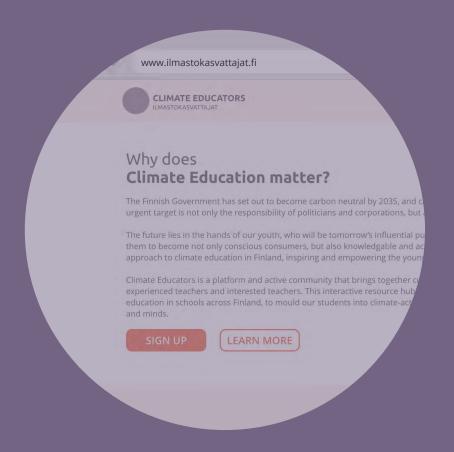
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CONNECT climate educators across
Finland to increase collaboration

PART 3

#### Climate Educators Network



**UNITED** through regular social and professional events

**UPDATES** via e-newsletters

**EVOLVE** into 'community of practice' that advances climate education

**CO-CREATE** future curriculums continually

# CLIMATE EDUCATORS NETWORK



# OUR INTERVENTION WILL...



#### Nudge

by providing tools and structures
that make it easy and attractive
to do climate education

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#### Connect networks

through an interactive platform that brings together confident and hesitant teachers

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1 2

#### Nudge

by providing tools and structures that make it easy and attractive to do climate education

#### Connect networks

through an interactive platform that brings together confident and hesitant teachers

#### Co-produce

with a growing pool of confident teachers



Coordinate co-creation of Conversation Starter Kit & platform with active agents



**CONFIDENT** 

**TEACHER** 

Co-create kit & platform



co-creation & setup

launch

implementation

maintenance



Coordinate co-creation of Conversation Starter Kit & platform with active agents

#### **Disseminate**

Launch kit & platform as part of new national framework for climate education, and promote it via communicaion channels



**CONFIDENT** 

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Co-create kit & platform



#### Discover

Receive kits and join platform

co-creation & setup

launch

implementation

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**TEACHER** 

Co-create kit & platform

#### Core team that manages platform

Discussion contributors and moderators, outreach and communications teams



Discover

**Utilise** 

Receive kits and join platform

Try out new approach to climate education with kit, start engaging with other teachers via platform

co-creation & setup

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#### Glue network together Ongoing co-creation

Connects new and old members, fuel collaborations



Discover

Utilise

Receive kits and join platform

Try out new approach to climate education with kit, start engaging with other teachers via platform

Become increasingly active members of climate educators network, and participate in ongoing co-creation of future curriculums

co-creation & setup

launch

implementation

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**Disseminate** 

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# FUTURE DIRECTIONS...

## Platform scalability

Expand into other education areas (e.g. democracy, social and natural sciences)

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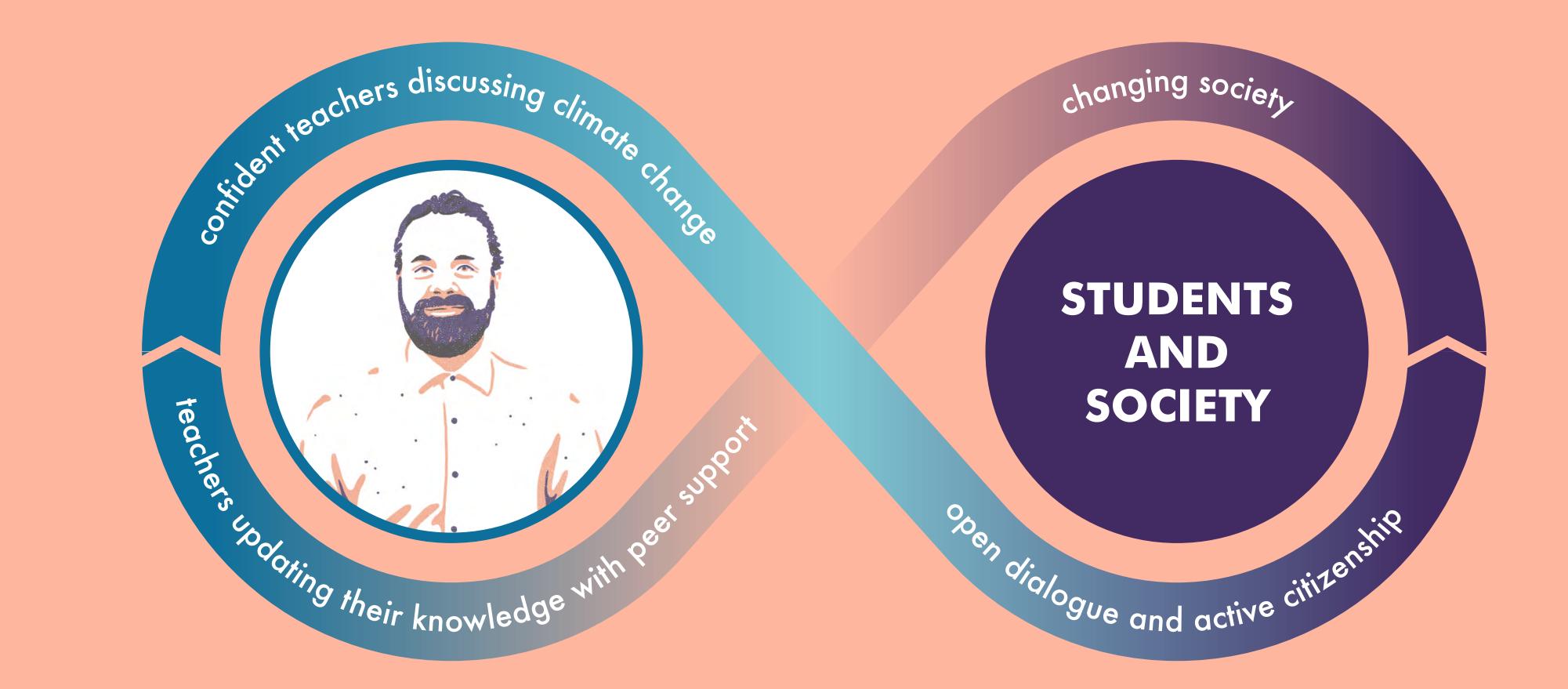
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## Platform scalability

Expand into other education areas (e.g. democracy, social and natural sciences)

## Reshape future of education

Through more de-centralized, participatory processes



## Climate Educators Network

Driving a rich and forward-looking climate education for active citizens of the future.