

# Join us to empower teachers for excellence.

**3C4life Project 2021 – 2024**  
Perspectives for Lifelong STEM Teaching

**Career** Guidance  
**Collaborative** Practice  
**Competence** Development



# Bridging Policy and Practice

**3C4life** fosters collaboration between **educational authorities** and **research institutions** across Europe, tackling the pressing need for enhanced support in STEM education to empower teachers for excellence.

## Six countries work together

- 📍 PORTUGAL
- 📍 SPAIN
- 📍 NETHERLANDS
- 📍 GERMANY
- 📍 LITHUANIA
- 📍 TURKEY



02 concerns

# Recognize the need for **change?**

Dive into our data and see why supporting STEM teachers' professional development is crucial now more than ever.



## **Significant teacher shortage**

Europe faces a significant teacher shortage, particularly in STEM fields.



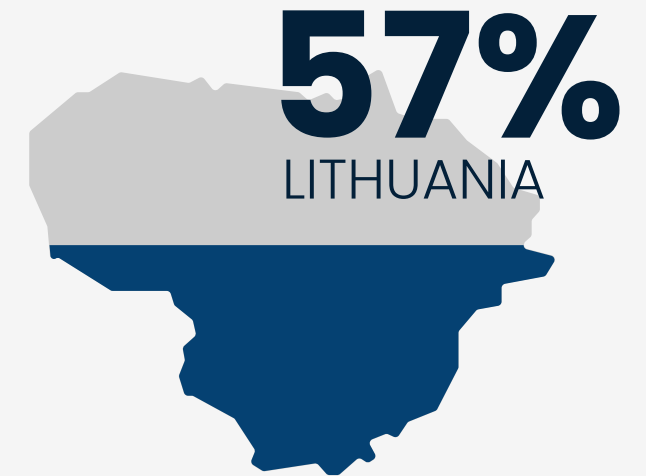
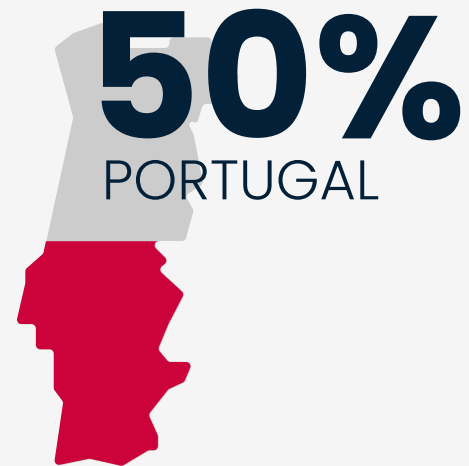
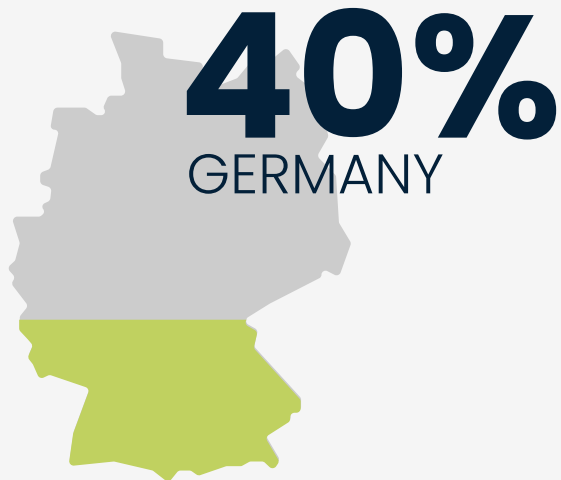
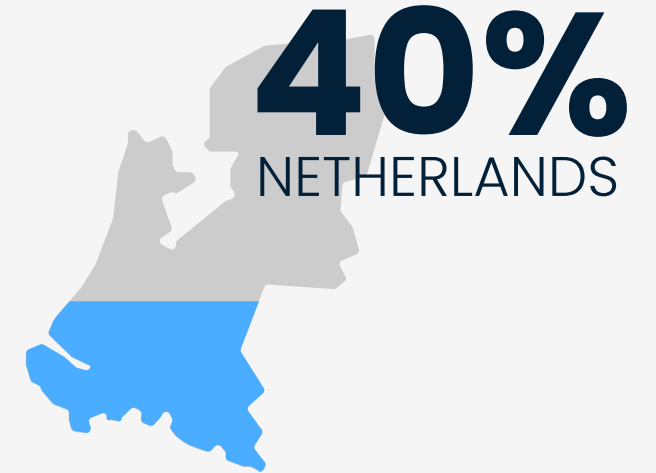
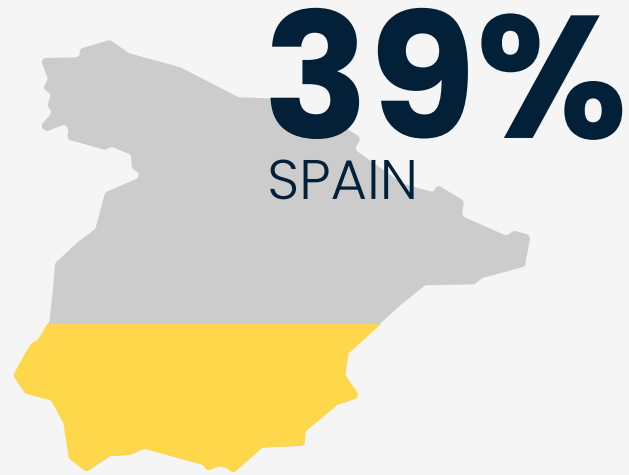
## **Teachers are approaching retirement age**

A significant proportion of European teachers are approaching retirement age, creating a gap in the teaching workforce.

02 concerns

# Recognize the need for **change**?

Percentage of secondary school teachers aged over 50



02 concerns

# Recognize the need for **change?**



## **Recruitment efforts are hindered**

Limited capacity in teacher training institutions and inadequate support for newly qualified teachers hinder recruitment efforts.



## **Lower salaries & Low social status**

Lower salaries and perceived low social status discourage potential candidates from pursuing teaching careers.



## **Teacher burnout**

Increasing administrative tasks, performance pressures, and student behaviour challenges contribute to teacher burnout and attrition.



## **Teacher attrition in Europe**

In Europe, around 8-12% of teachers leave the profession each year. Early career teachers experience higher attrition rates of 20-30% within the first five years.

03 measures

# Transforming STEM Teaching



## Support for STEM

Our all-digital **teach4life** platform introduces a **research-proved** fresh way to support STEM teachers' growth through 3 pillars:



Career



Collaboration



Competence



03 measures

# Transforming STEM Teaching



## Collaboration

### Connect, learn & grow:

Join Europe's STEM Education network and collaborate with teachers at all career stages across borders.



## Career

### Discover a world of opportunities:

Watch testimonial videos and get inspired by the diverse career paths available beyond traditional teaching.



## Competence

**Elevate your teaching skills** with our professional development resources. Including innovative workshops and engaging task videos.

03 measures

# Transforming STEM Teaching

**This is your benefit!**



**Improved**  
teaching  
motivation



**Access** to professional  
development  
resources



**Career**  
pathways.

03 measures

# Transforming STEM Teaching

This is what you can do:



**Check** out our  
Th4teachers in STEM  
format!



**Use**  
eTwinning!



**Participate** in our ICSE  
Academy Workshop  
series!



# How did we get here?



## Mapping our Journey

Strategic collaboration among policy, research, and practice is supported by robust research, field trials, and case studies.



## How we research

We used a mix-method approach, that combines **quantitative** and **qualitative** data analysis.



04 our journey

# How did we get here?

Robust research design:  
**We asked teachers!**



**1600+**

TEACHERS



**1800**

QUESTIONNAIRES



**36h**

OF INTERVIEWS



**30**

CASE STUDIES

# See the **Impact**



## Teacher Empowerment

Discover how our **teach4life** platform has transformed teaching through real teacher stories and data-driven evidence of **enhanced motivation, competence, and career advancement.**

Evaluation Report



# See the **Impact**



**Stable  
Motivation  
and  
Enhanced  
Self-Efficacy**

Teach4life has made a significant and positive impact on motivating, empowering and enhancing teachers' careers.



**Qualitative  
Results**

Qualitative feedback underlines the platform's effectiveness in practice, career and skills development.



**Quantitative  
Results**

Quantitative analysis shows consistent motivation and significant gains in self-efficacy.

# See the **Impact**



Answers from teachers on

## **Career**



"I found the information on career pathways very enlightening. It opened up **new possibilities** for me."



"The platform [...] should have been there **ten years earlier.**"



"My motivation to develop my career **was revitalized ...** "

# See the **Impact**

Answers from teachers on

## **Competencies**



"[...] when I saw the videos I thought - *look here's something **I haven't done yet** and I could do.*"



"It is difficult **to find examples** for socio-scientific topics in math and relating it to authentic contexts is really useful. Those sections were very useful for me, and I used them in my lessons."



06 opportunities

# Embrace the future of **STEM teaching**



## Innovative Movement

**Learn about new opportunities for professional development, cross-border expansion and how you can be part of this innovative movement.**

With the 3C4life project, we've opened up new pathways for the professional development of teachers, including its integration into accredited training programmes and its extension to other countries and languages.



06 opportunities

# Embrace the future of **STEM teaching**



**Expanding** the use of the teach4life platform to different countries/languages



**Integration** into existing networks, platforms, portals



**Emphasising** the importance of teachers as multipliers of innovative teaching methods



**Integration** of the platform into official teacher training programmes



## What changed?

We significantly influenced teachers' self-efficacy and their understanding of career opportunities.

# Call to Action



## For Policymakers

**Make a difference – Use and promote the teach4life platform to revolutionize professional development and teaching practices in STEM education.**

Reflecting on our insights, we recommend further support and expansion of digital platforms tailored to teacher professional development. Overcoming collaboration barriers, refining the user experience, and supplying a range of practical resources are critical steps forward.



# Call to Action



## For Teachers

**Join the movement – Share experiences, embrace collaboration, and maximize your teaching potential.**

[teach4life - The career platform for STEM teachers: Teach4Life](#)



The 3C4LIFE project has convincingly shown that digital platforms are instrumental in enriching teachers' professional development pathways.

Embrace this moment, committing to the advancement and integration of such innovative solutions within our educational frameworks.

We stand before a remarkable chance to redefine how teachers learn, collaborate, and evolve.

# Contact Information

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