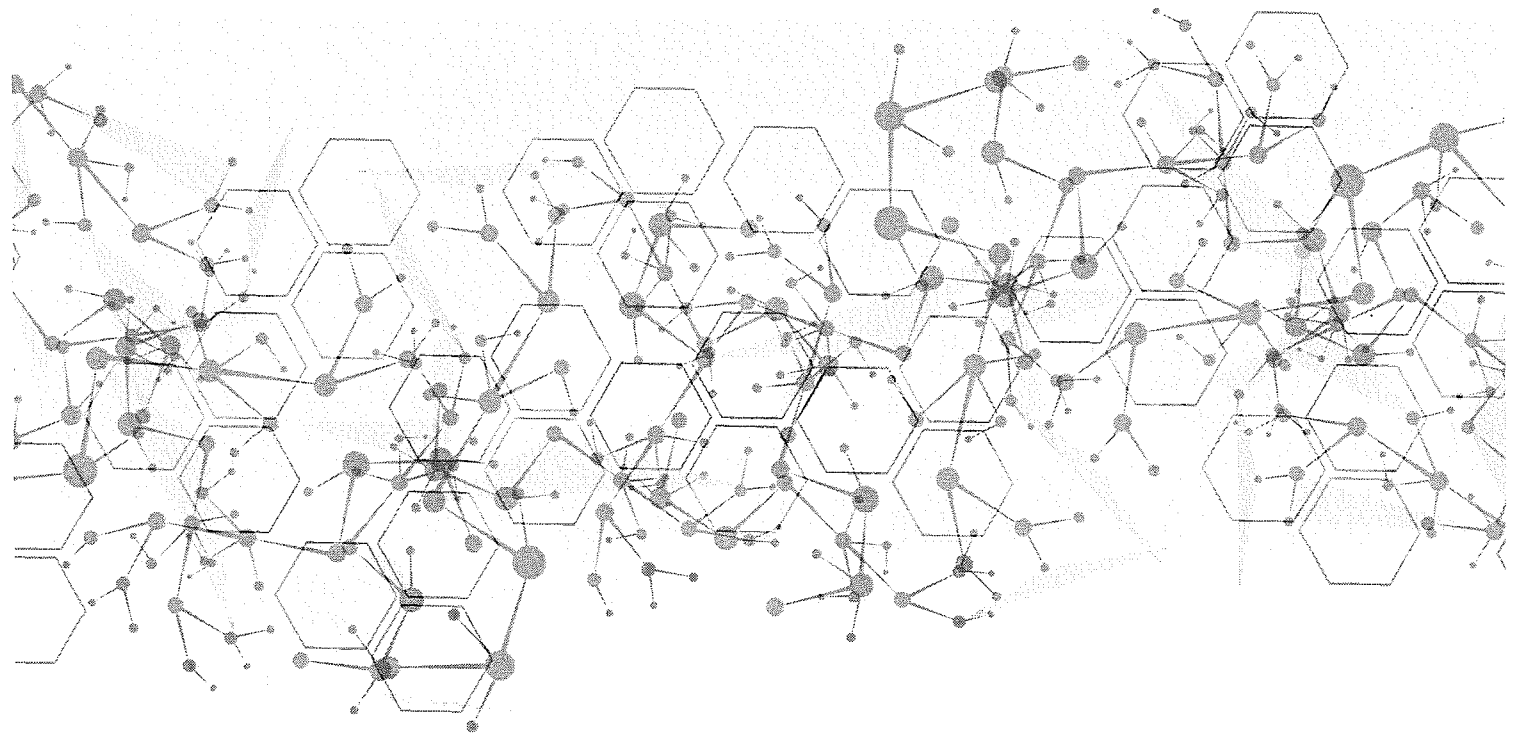




# NEXT GENERATION SCIENCE CHALLENGES

## USING DIGITAL AND SOCIAL MEDIA TO MAKE SCIENCE EDUCATION AND CAREERS ATTRACTIVE FOR YOUNG PEOPLE



The SciChallenge project aims at getting young people excited about **science, education and careers in the STEM-fields.**



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## CONTEXT

STEM disciplines create a skilled workforce that improves our work and life.

Europe is less successful in having a sufficient share of STEM graduates:  
France < 20% STEM graduates in 2012  
China 40% STEM graduates

(Source: Education Indicators in Focus, April 2015, © OECD)

The STEM fields provide increasing job opportunities: the total employment growth rate 2003-2013 in the EU-28 countries is 4%, whereas the growth rate for STEM-professionals and associate professionals is 12%.

The same holds true for the future, as forecasts shows: the growth rate STEM-professionals between 2014 and 2025 is 8%, whereas the forecast for all occupations is 3%

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## EXPECTED IMPACT

- Enhancing public interest in science education and research and innovation, leading to more **youth engagement in Science, Technology, Engineering and Mathematics (STEM)**
- Improve interest and participation in science education and careers by **inspiring young people and highlighting the impact on society**
- Raise the awareness of the importance of **transdisciplinary research and Responsible Research and Innovation in the education system**
- Introduce **innovative and effective teaching and education methods**

## OBJECTIVES



### AGGREGATE

existing studies, good practices, projects, and toolkits



### ELABORATE

a novel concept for science challenges for young people



### CREATE

a big number of different SCICHALLENGES Topic Sheets



### BUILD

an intuitive and multifunctional SCICHALLENGE Web Platform



### SPREAD

the idea of SCICHALLENGE through social media channels



### CONDUCT

multiple SCICHALLENGES for young people all over Europe



### ATTRACT

young boys and girls to start careers in the STEM fields

## KEY FACTS

Coordinator: SYNYO GmbH (AT)  
Project Reference: 665868  
Funding Programme: H2020-SEAC-1-2014  
Funding Scheme: RIA-Research and Innovation Action  
Period: 2015-09-01 to 2017-08-31



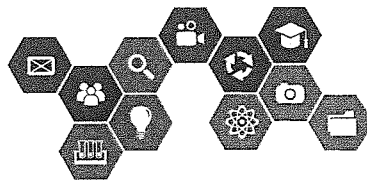
This project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement No 665868.



JOIN !

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**SCIENTISTS  
WANTED**

ARE YOU **10-20** YEARS OLD?

TAKE PART IN OUR **SCIENCE  
CONTEST** AND GET A FIRST-HAND  
**EXPERIENCE** OF SCIENCE!

SHOW YOUR FRIENDS, SCHOOLMATES  
AND FAMILIES, WHAT **NATURAL  
SCIENCE, TECHNOLOGY,  
ENGINEERING** OR  
**MATHEMATICS** MEAN TO YOU!


## HOW CAN I PARTICIPATE?

- STEP 1 LET YOUR IMAGINATION RUN FREE!
- STEP 2 CHOOSE A TOPIC FROM ONE OF THE **50 TOPIC SHEETS** WE PREPARED FOR YOU OR CHOOSE ANOTHER TOPIC FROM **NATURAL SCIENCE, TECHNOLOGY, ENGINEERING OR MATHEMATICS**
- STEP 3 PREPARE A **POSTER, A VIDEO OR A PRESENTATION**
- STEP 4 UPLOAD IT TO SLIDESHARE OR YOUTUBE AND INCLUDE THE **#SCICHALLENGE2017**
- STEP 5 **REGISTER** ON THE SCICHALLENGE PLATFORM AND **SUBMIT YOUR CONTRIBUTION**
- STEP 6 GATHER AS MANY **LIKES, VIEWS AND REACTIONS** AS POSSIBLE
- STEP 7 GET SELECTED AS ONE OF THE PAN-EUROPEAN WINNERS AND WIN A TRIP TO VIENNA



FIND OUT MORE:

[www.scichallenge.eu](http://www.scichallenge.eu)

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# SCIENTISTS WANTED

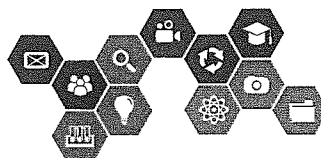
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