

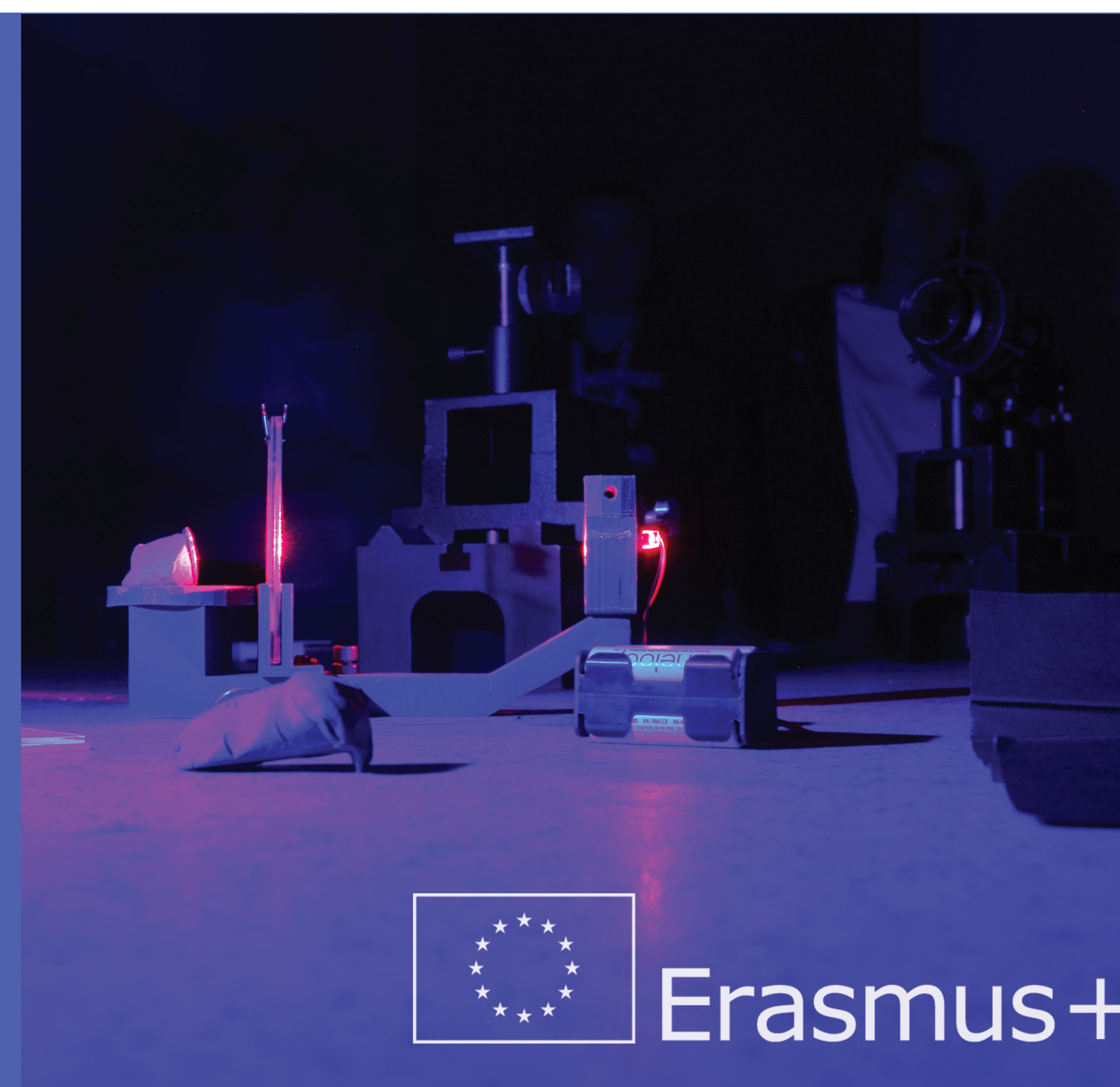
HOLOMAKERS

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MOTIVATING SECONDARY SCHOOL STUDENTS TOWARDS
STEM CAREERS THROUGH HOLOGRAM MAKING AND
INNOVATIVE VIRTUAL IMAGE PROCESSING PRACTICES
WITH DIRECT LINKS TO CURRENT RESEARCH
AND LABORATORY PRACTICES

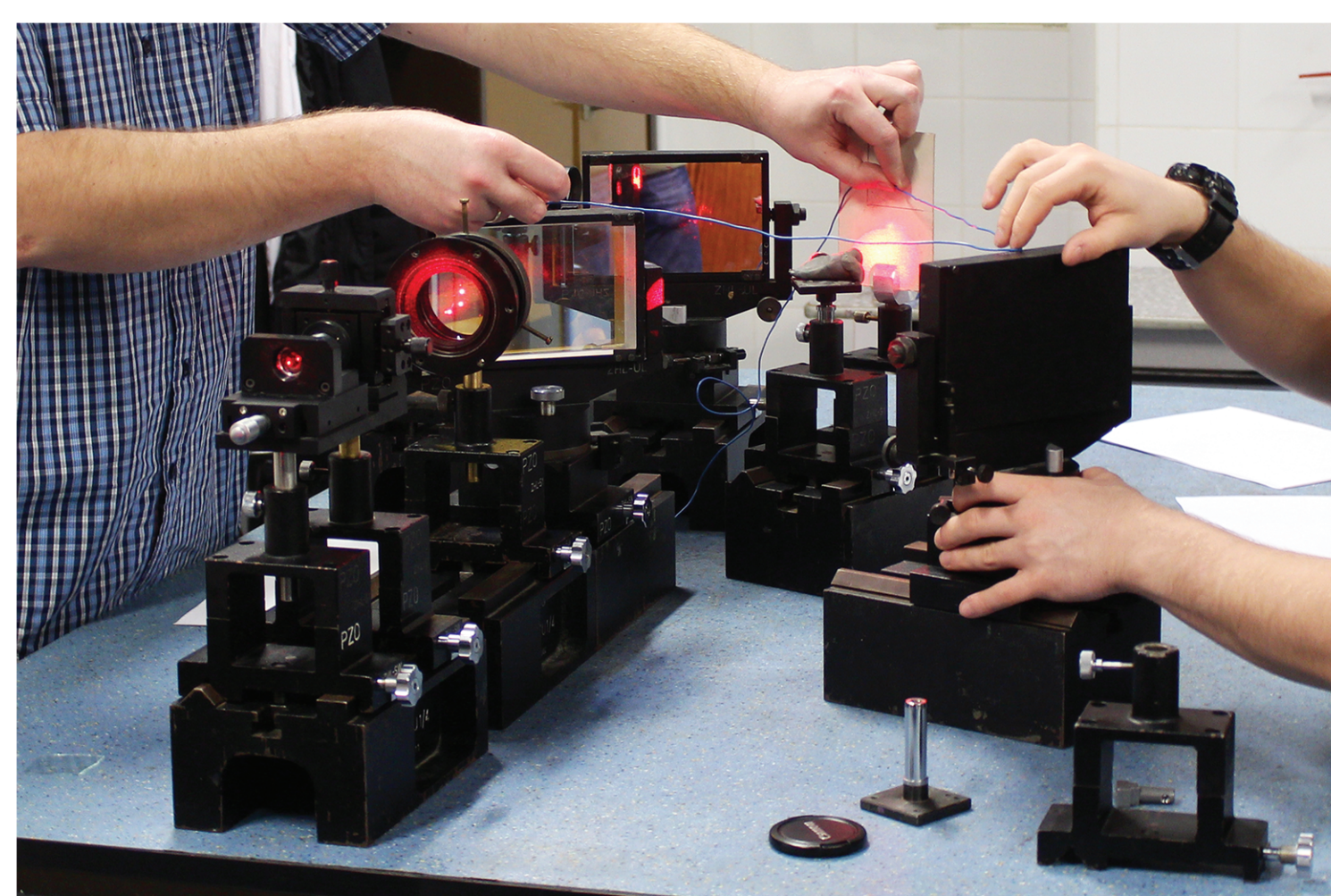
NOVEMBER 2017- OCTOBER 2019

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OUTPUTS

- The technical reference guide
- 24 portable holography kits & instructions for reproduction
- The Holomakers Curriculum & Open Educational Resources
- 7 interdisciplinary projects for making holograms
- The pilot protocol
- The evaluation report
- Workshops & events for public



AIMS & OBJECTIVES

- **Learner-centered approach**
Design and model an active, learner-centered teaching approach for engaging secondary school students into STEAM related projects through holography
- **Art + Design + STEM**
Encourage integration of Art + Design in STEM and combine disciplines which have been isolated from one another under the traditional educational model
- **Motivating interest in STEAM**
Motivate and enhance secondary school students' interest in STEAM related disciplines and careers by engaging them in creative learning experiences in holography
- **Teacher professional growth**
Enact activities and workshops that promote teacher professional development and pedagogic change
- **OERs for school community**
Create OERs that will support school community members to apply the HOLOMAKERS learning intervention
- **Building synergies**
Build synergies among schools, academia, research and innovation groups towards creative and meaningful engagement in STEAM education.



GET INVOLVED

Would you like to:

1. learn more about the Holomakers initiative and learning intervention?
2. join the Holomakers eClass?
3. have access to our educational resources?

GET IN TOUCH

 <http://holomakers.eu>

 info@holomakers.eu

 Facebook: @holomakers

 Twitter: @holomakers_eu



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