





Sustainable Development Goals in Education



Email: rok.rudez@gimkr.si

## Nuclear fusion energy as motivation and real-life task for students and can be included in the school curriculum

## Introduction

FROM

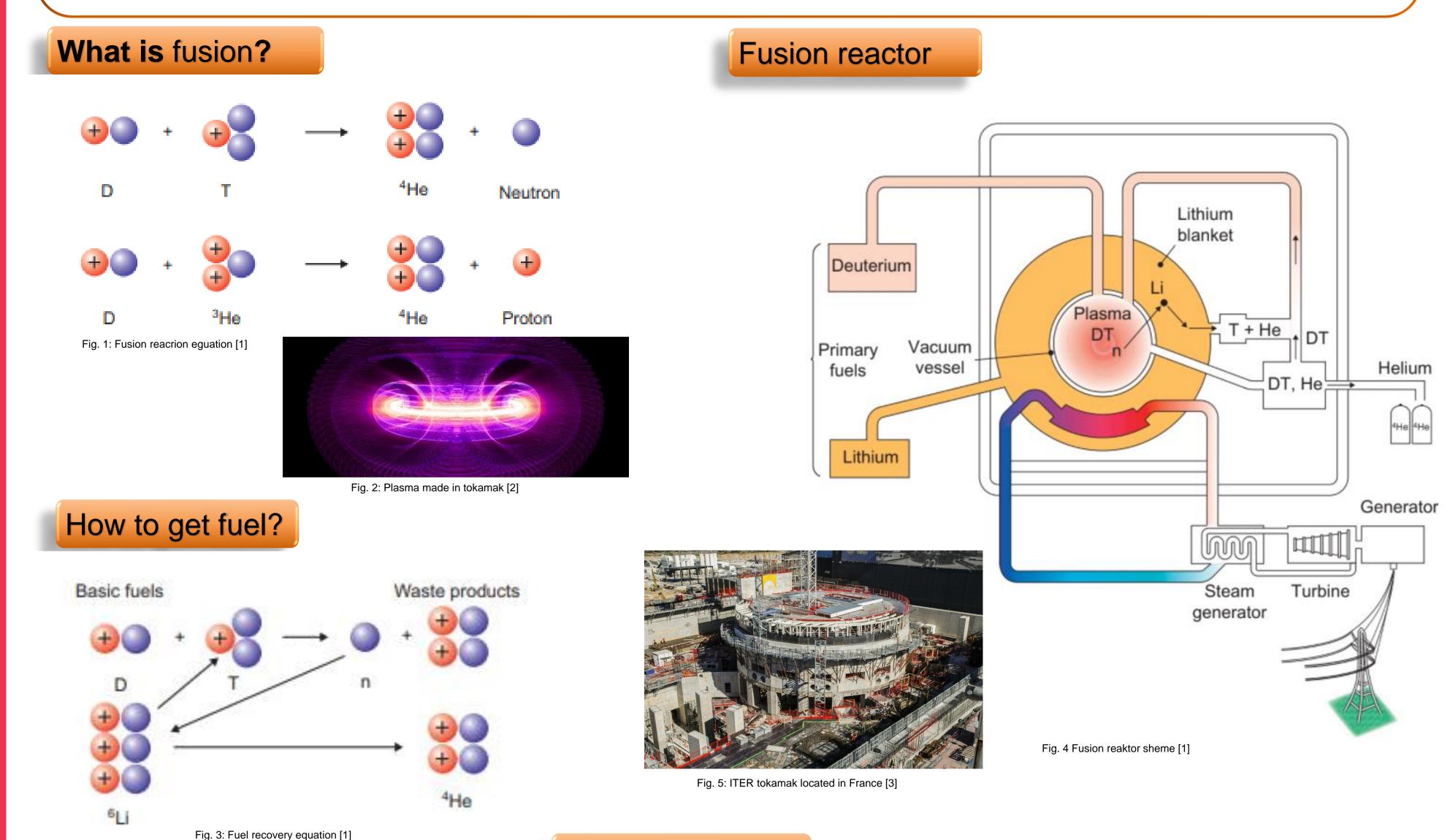
TEACHERS

FOR

TEACHERS

One of the goals of The European Comimission is to reduce EU greenhouse gas emissions by 55% by 2030 compared to 1990-levels. The nuclear fusion realized through the ITER project is a promising and ambitious project to produce self-sufficient, green, and reliable (not weather dependent) energy. The fusion energy will be reviewed as a real-life task and will show where could

## be included in the school curriculum.



## Conclusion:

- o student is able to construct equations for fusion reaction,
- o student can explain fusion reaction in terms of enthalpy,
- o student understands the role of the isotope in a fusion reaction and fuels recovery,
- Studet is able to compare fusion and fission reaction,
- student can critically evaluate the risks as well as benefits of fusion reaction and fusion reactors.

[1] Fusion, The energy of the universe, McCracken G., Scott P., Elsevier, 2012 [2] Sciencealert, online: What Is Nuclear Fusion, And Why The Hype? (sciencealert.com), 15.1.2021 [3] ITER France, online: ITER in France, 15.1.2021

