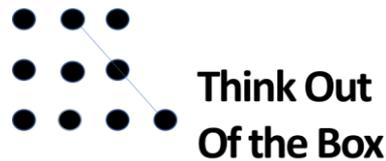


Brief description of the project



Exploring ideas that are creative and unusual and that are not limited or controlled by rules or tradition.

The University of Tuscia invites to be part as partner/associate partner of TOOB "Think Out Of the Box": an innovate and sustainable pattern to promote equal access and social inclusion in the field of Higher Education.

Reference Call: Programme Erasmus + Key Action: Support for Policy Reform

- **Call for proposal EACEA/34/2019 (Ref. documents on https://eacea.ec.europa.eu/erasmus-plus/funding/social-inclusion-and-common-values-the-contribution-in-the-field-of-education-and-training_en) - deadline 25th February 2020**

TOOB proposal is framed both in the Strategic Framework for European Cooperation in Education and training (ET2020) and in matching the achievement of the SDG's Obj. 4 (Quality Education) and 10 (Reduced Inequalities).

TOOB main challenge is implementing an Innovative and Integrated Structure of sustainability for Higher Education system in response of one of the Agenda 2030 most important objectives "Delivering quality, fair and inclusive education and learning opportunities for all".

TOOB aims for a change in perspective and developing models and tools to assure that all students, with a special focus on dyslexic ones (or more in general ones affected by learning disability), have equal access and opportunity of success during their academic career and their lifelong learning experience.

Starting from the opportunity that the neurodiversity of dyslexic (as well as all other specific learning disabilities) presents, TOOB proposal aims to develop an innovative protocol (procedure) for assuring equal education and training opportunities to all and make such policy integral part of the Sustainable Strategy of Universities and HEIs. The innovation consists both in the methodology and in the use of the artificial intelligence that will provide learning adaptive tools and make sustainable outputs.

Universities as driving forces for assuring equal access and opportunity of education to all students. must take into account, welcome such diversity, and provide different teaching tools according to the different learning methods.

Starting from the best experience realized within school education system (focused on age group from 4 to 12), TOOB will create procedures, learning processes, and teaching materials based on Universal Design principles and develop adaptive learning tools for students based on artificial intelligence.

It will propose a sustainable pattern for HEIs in order to create a system where everyone is able to use his own strengths in order to compensate his weakness. In particular, for dyslexic, the use of the visual thinking and creativity can emerge the mastery of thinking out of the box that means to exploit the ability to explore ideas that are creative and unusual and that are not limited or controlled by rules or tradition.

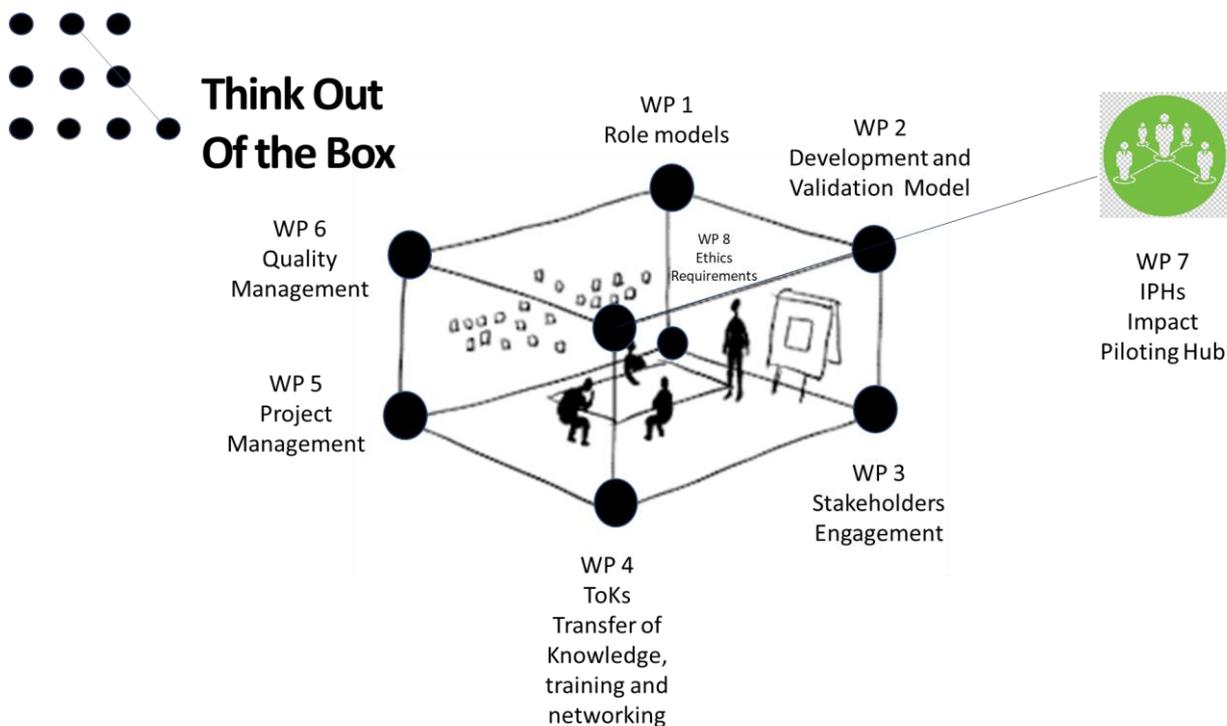
General Objective: developing and implementing innovative methods and practices to foster inclusive education and promote common values within Higher Education System.

Specific objectives:

- Promoting concrete actions in order to tackle the increasing of educational inequalities and its negative impacts since higher education systems tend to reproduce existing patterns of socio-economic status;
- Development and validation of a digital platform (“be-S.P.E.C.I.A.L.”) for supporting students with dyslexia, or more in general affected by learning disability, through adaptive e-learning based on the artificial intelligence;
- Create procedures, learning processes, teaching materials based on Universal Design principles;
- Establish a covenant of piloting impact hubs to create innovative and accessible open learning environments.

Structure:

The project structure foreseen 4 PROCESS Work Packages (WP 1,2,3 & 7) and 4 SYSTEM Work Packages (WP 4,5,6,8)



Main Activities:

- Field research within higher education system involving teacher and students with learning disabilities; (WP1)
- Elaboration of research qualitative tools involving companies specialized in the sector, to be tested on students, teachers at European level; (WP1)
- Development and validation of a digital platform for supporting students with dyslexia, or more in general affected by learning disability, through adaptive e-learning based on the artificial intelligence. More specifically, the e-learning platform is addressed for higher education in the universities. Hereinafter, the platform is named as “be-S.P.E.C.I.A.L.” – Supporting Platform for students with dyslexia based on artiCiAl Intelligence Adaptive Learning; (WP2)
- Proactive dissemination activities, inter-sectorial collaboration and exploitation of the projects

- results; (WP3)
- Create a network of Impact Hubs that are centres of research and innovation on the Higher Education system (WP7)
- Training and networking activities to increase the existing knowledge (Tok) in the field of Universal Design and by building up a focussed network of complementary institutes and companies specialized in the sector; training path for both students and administrative/teaching staff for the development of DSA-friendly learning environment; (WP 4)

Expected results:

Think Out Of the Box leads to the following results:

- More Widespread and effective tools to support Higher Education providers in implementing inclusive learning approaches;
- Increase the Universities capabilities to be incubators of new ideas and nerve centres for the promotion of Sustainable Development Goals;
- Increased awareness, motivation and competence of educational leaders and educators with regard to support all students in their process of becoming the main transformative task force of the future.

Partnership:

1. UNIVERSITÀ DEGLI STUDI DELLA TUSCIA – Coordinator - IT
2. TUCEP TIBER UMBRIA COMETT EDUCATION PROGRAMME - IT
3. GIUNTI OS – IT
4. CRACOW UNIVERSITY -PL
5. COIMBRA UNIVERSITY - ES
6. AEVA PT - PT
7. AVEIRO UNIVERSITY – PT
8. IPS BG
9. ENTER – DE (EXTERNAL EVALUATOR)
10. EUROPEAN DYLEXIA ASSOCIATION – (to be confirmed)

Italian Partners/Associated Partners
CNUDD – ASL -AID -RUS

The total of the three-year project budget is 500,000 euros.

be – SPECIAL platform design: Supporting Platform for students with dyslexia based on artificial Intelligence Adaptive Learning

