



FUNDING OPPORTUNITIES FOR NEW RESEARCH IN TEL

Dana Kube
Goethe-Universität Frankfurt am Main
Kube@dipf.de

Part 1	4
A. Excellent Science	4
I. European Research Council	4
1. About the European Research Council	4
2. ECR Starting Grant	4
a) Eligibility.....	4
b) Financial Set-up	4
c) Application	4
3. ECR Consolidator Grants.....	5
a) Eligibility.....	5
b) Financial Set-up	5
c) Application	5
4. ECR Advanced Grants	5
a) Eligibility.....	5
b) Financial Set-up	5
c) Application	5
5. ECR Proof of Concept.....	5
a) Eligibility.....	6
b) Financial Set-up	6
c) Application	6
6. ECR Synergy Grants	6
a) Eligibility.....	6
b) Financial Set-up	6
c) Application	6
II. Marie Skłodowska-Curie Actions	6
1. About.....	6

2. Doctoral Networks 2022	7
a) Eligibility.....	7
b) Financial Set-up	7
c) Application.....	7
3. Postdoctoral Fellowships.....	7
a) Eligibility.....	7
b) Financial Set-up	8
c) Application.....	8
4. COFUND	8
a) Eligibility.....	8
b) Financial Set-up	8
5. Staff Exchange Actions.....	8
a) Eligibility.....	9
b) Financial Set-up	9
B. Global Challenges & European Competitiveness	9
I. General Eligibility and Application procedure.....	9
1) Eligibility and Exclusion.....	9
2) Application process.....	10
C. Specific calls.....	11
I. AI for human empowerment.....	11
1. Eligibility.....	11
2. Financial set-up	12
3. Application	12
II. Alliances for Education and Enterprises	12
1. Objectives of the call.....	12
1. Eligibility.....	12
2. Financial Set-up.....	12
3. Application	13

III. European Network of AI Excellence Centers: Expanding the European AI lighthouse	14
1. Eligibility.....	14
2. Financial set-up	15
3. Application	15
IV. Alliances for Sectoral Cooperation on Skills.....	15
1. Eligibility.....	15
2. Financial Set-up.....	15
3. Application	16
D. Innovative Europe	17
I. European Innovation Council	17
1. About the European Innovation Council.....	17
2. Eligibility.....	17
3. Financial Set-up.....	17
II. European Institute of Innovation and Technology	18
1. About the European Institute of Innovation and Technology	18
2. Eligibility.....	18
3. Financial Set-up.....	18
Part 2	19
A. Successful Horizon Europe Proposals.....	19
I. Up to University- Bridging the gap between schools and universities through informal education	19
1. Expected Impact of the Call	19
2. Objectives of the proposal.....	19
3. Results	20
II. Second Language Tutoring using Social Robots.....	20
1. Expected Impact of the Call	20
2. Objectives of the proposal.....	21
3. Results	21

B. Key principles when writing a proposal 21

Part 1

A. Excellent Science

I. European Research Council

1. About the European Research Council

The European Research Council (ERC) got established by the European Commission in 2007, the public body is the leading funder for groundbreaking research. The ERC's mission is to encourage the highest quality research in Europe through competitive funding and to support investigator-driven frontier research across all fields, based on scientific excellence.

2. ERC Starting Grant

a) Eligibility

Researchers of any nationality with **2-7 years of experience** since completion of the PhD can apply. Applications can be made in **any field of research**. The research must be conducted in a public or private research organization in one of the EU Member States or Associated Countries. Applications for an ERC grant must be submitted by a single Principal Investigator (PI) in conjunction **with and on behalf of their Host Institution**, called the applicant legal entity.

Grants are awarded to the Host Institution with the explicit commitment that this institution offers appropriate conditions for the Principal Investigator independently to direct the research and manage its funding for the duration of the project. ERC grants support projects carried out by **an individual researcher** who can employ researchers of any nationality as team members. It is also possible to have one or more team members located in a non-European country.

b) Financial Set-up

Starting Grants may be awarded up to **€ 1.5 million** for a period of **5 years**. An ERC grant can cover up to 100% of the total eligible direct costs of the research plus a contribution of 25% of the total eligible costs towards indirect costs.

c) Application

ERC grant applications can only be submitted in response to a Call for Proposal. The Calls are published on the [Funding and Tenders Portal](#). Before the Call is published you need to identify the host institution and team members you would like to work with. Furthermore, you need to

contact the [National Contact Point](#). After the call opened the call documents have to be read carefully. Then the host institution needs to be contacted to gather all relevant details. After the proposal is written it needs to be submitted online in the EU submission service. For each submission an “acknowledgement of receipt” will be sent by mail.

3. ECR Consolidator Grants

a) Eligibility

Researchers of any nationality with 7-12 years of experience since completion of PhD. The other Eligibility conditions are the same as stated above.

b) Financial Set-up

Consolidator Grants may be awarded up to **€ 2 million** for a period of **5 years**. An ERC grant can cover up to 100% of the total eligible direct costs of the research plus a contribution of 25% of the total eligible costs towards indirect costs.

c) Application

The Application process is identical to the one of the ECR Starting Grants.

4. ECR Advanced Grants

a) Eligibility

Applicants for the ERC Advanced Grants - called Principal Investigators (PI) - are expected to be active researchers who have a **track-record of significant research achievements** in the last **10** years. The other Eligibility conditions are the same as stated above.

b) Financial Set-up

Advanced Grants may be awarded up to **€ 2.5 million** for a period of **5 years**. An ERC grant can cover up to 100% of the total eligible direct costs of the research plus a contribution of 25% of the total eligible costs towards indirect costs.

c) Application

The Application process is identical to the one of the ECR Starting Grants.

5. ECR Proof of Concept

The Proof of Concept is an opportunity for researchers, that have already received an ECR grant for their frontier research project to explore the commercial or societal potential of their work.

a) Eligibility

All Principal Investigators in one of the ERC frontier research main grants (Starting, Consolidator, Advanced or Synergy) are eligible to participate and apply for an ERC Proof of Concept Grant. A Principal Investigator can only submit one application per call. The ERC Proof of Concept funding is made available only to those who already have an ERC award to establish proof of concept of an idea that was generated during their ERC-funded projects. The Host Institution must engage the Principal Investigator for at least the duration of the Proof of Concept project.

b) Financial Set-up

Work Programme 2022 will continue to award Proof of Concept grants on the basis of a **lump sum** of **EUR 150 000** for a period of **18 months**.

c) Application

The Application process is identical to the one of the ECR Starting Grants.

6. ECR Synergy Grants

a) Eligibility

A group of **two to maximum four Principal Investigators** (PIs) – of which one will be designated as the corresponding PI (cPI) – working together and bringing different skills and resources to tackle ambitious research problems. The other Eligibility conditions are the same as stated above.

b) Financial Set-up

Synergy Grants can be up to a maximum of **€ 10 million** for a period of **6 years** However an addition € 4 million can be requested in the proposal.

c) Application

The Application process is identical to the one of the ECR Starting Grants.

II. Marie Skłodowska-Curie Actions

1. About

The Marie Skłodowska-Curie Actions (MSCA) are part of Horizon Europe and the European Union's flagship funding programme for doctoral education and postdoctoral training of researchers. The MSCA support excellent researchers. They also foster excellence in research and innovation collaborations, knowledge transfer, methodologies and content, as well as in training, supervision and career guidance.

2. Doctoral Networks 2022

Reference: HORIZON-MSCA-2022-DN-01, Deadline: 15. November 2022.

a) Eligibility

All the proposals must indicate if they resubmitted from the previous MSCA Doctoral Networks call under Horizon Europe. Proposals submitted to the previous call of MSCA Doctoral Networks under Horizon Europe and having received a score of less than 80% must not be resubmitted the following year.

For participating organisations:

Per application there must be **at least three** independent legal entities, each established in a different EU Member State or Horizon Europe Associated Country. At least one of them has to be **entitled to award doctoral degrees**. All beneficiaries must recruit at least one doctoral candidate.

For recruited researchers:

Supported researchers must be **doctoral candidates** in a doctoral programme leading to the award of a doctoral degree in at least one EU Member State or Horizon Europe Associated Country.

b) Financial Set-up

The duration of each fellowship is at least three months and maximum 36 months. The EU provides support for each recruited researcher in the form of a living allowance, a mobility allowance and if applicable, family, long-term leave and special needs allowance. In addition, funding is provided for research, training and networking activities and management and indirect costs.

c) Application

The Application process is the identical to the application process stated under B. I. 2.) *Application process* in this document.

3. Postdoctoral Fellowships

Reference: HORIZON-MSCA-2022-PF-01, Deadline 14. September 2022

a) Eligibility

All domains of research and technological development are eligible for funding.

For Participating Organisations:

Applications must be submitted by a **single independent legal entity**, established in an EU Member State or Horizon Europe Associated Country. Affiliated entities are not allowed to participate.

For recruited researchers:

Supported fellows must be postdoctoral researchers at the date of the call deadline, i.e. in a possession of a doctoral degree. Applicants who have successfully defended their doctoral thesis but who have not yet formally been awarded the doctoral degree will also be considered as postdoctoral researchers and will be considered eligible to apply.

b) Financial Set-up

The Fellowships should last between 12 and 24 months. The EU provides support for each recruited researcher in the form of a living allowance, a mobility allowance and if applicable, family, long-term leave and special needs allowance. In addition, funding is provided for research, training and networking activities and management and indirect costs.

c) Application

The Application process is the identical to the application process stated under B. I. 2.) *Application process* in this document.

4. COFUND

The COFUND action provides funding for regional, national and international programmes for training and career development, through co-funding mechanisms.

a) Eligibility

A single legal entity in an EU Member State or a Horizon Europe Associated Country can apply. Additional partners can be included in the project.

b) Financial Set-up

A beneficiary can receive a maximum of €10 million per call. COFUND projects should last for up to five years and should recruit at least 3 researchers.

5. Staff Exchange Actions

The Staff Exchange action funds short-term international and inter-sectoral exchanges of staff members involved in research and innovation activities of participating organisations.

a) Eligibility

Staff Exchanges are open to international consortia of universities, research institutions, businesses, SMEs and other non-academic organisations.

b) Financial Set-up

Staff Exchange projects can last up to four years. The grant funds the mobility of seconded staff members from one month to one years.

B. Global Challenges & European Competitiveness

I. General Eligibility and Application procedure

1) Eligibility and Exclusion

Any **legal entity** is eligible, including legal entities from non-associated third countries or international organizations. Beneficiaries and affiliated entities must register in the [Participant Register](#) before submitting their application.

To be eligible, applicants must be established in one of the eligible countries:

- EU member states
- overseas countries and territories linked to the member states
- eligible non-EU countries

Projects involving classified and/or sensitive information will have to go through the security appraisal process to authorize funding and may be made subject to specific security rules.

Public bodies, research organizations or higher education establishments must have a gender equality plan, covering the following minimum process-related requirements. A self-declaration will be requested at proposal stage.

Exclusion:

Applicants that are subject to EU administrative sanctions or are in one of the following exclusion situations that ban them from receiving EU grants can NOT participate:

- bankruptcy, winding up, affairs administered by the courts, arrangement with creditors, suspended business activities or other similar procedures (including procedures for persons with unlimited liability for the applicant's debts)
- they are in breach of social security or tax obligations (including if done by persons with unlimited liability for the applicant's debts)

- they are guilty of grave professional misconduct (including if done by persons having powers of representation, decision-making or control, beneficial owners or persons who are essential for the award/implementation of the grant)
- bankruptcy, winding up, affairs administered by the courts, arrangement with creditors, suspended business activities or other similar procedures (including procedures for persons with unlimited liability for the applicant's debts)
- they are in breach of social security or tax obligations (including if done by persons with unlimited liability for the applicant's debts)
- they are guilty of grave professional misconduct (including if done by persons having powers of representation, decision-making or control, beneficial owners or persons who are essential for the award/implementation of the grant)
- Applicants will also be refused if it turns out that¹⁷:
 - during the award procedure they misrepresented information required as a condition for participating or failed to supply that information; or
 - they were previously involved in the preparation of the call, and this entails a distortion of competition that cannot be remedied otherwise (conflict of interest).

2) Application process

The application must be submitted **electronically** before the call **deadline via the Funding &Tenders Portal**. The application must be readable, accessible, and printable. Unless provided otherwise in the specific call the limit is **45 pages**. For first stage application the limit is **10 pages**. The application must include a plan for the exploitation and dissemination of results including communication activities.

Part A must contain **administrative information** about the applicant organization (future coordinator and beneficiaries and affiliated entities), the summarized budget for the proposal and call-specific questions.

Part B must contain the **technical description** of the project.

The application form from the Portal submission system will help to stay as close as possible to the award criteria.

The coordinator will have to conform that they have mandate to act for all applicants and that the information in the application is correct and a complete and that all participants comply with the conditions for receiving EU funding. Participants **have to** conform this by signing a declaration of honor. The application must comply with the Technology Readiness Level, when asked for in the specific call conditions. Applicants must have completed the [ethics self-](#)

[assessment](#) as part of their application. When the lump sum is not fixed in advance, the estimated budget must be described in a detailed budget table.

C. Specific calls

I. AI for human empowerment

[Call: A HUMAN-CENTRED AND ETHICAL DEVELOPMENT OF DIGITAL AND INDUSTRIAL TECHNOLOGIES 2022 \(HORIZON-CL4-2022-HUMAN-02\)](#)

Single-stage, Deadline: 16 November 2022 17:00:00 Brussels time.

Objectives of the call:

Reach truly mixed human-AI initiatives for human empowerment. The approaches should combine the best of human and machine knowledge and capabilities including shared and sliding autonomy in interaction, addressing reactivity, and fluidity of interaction and making systems transparent, fair and intuitive to use, which will play a key role in acceptance. The systems should adapt to the user rather than the opposite, based on analysis, understanding and anticipation about human behaviour and expectations.

Trustworthy hybrid decision-support, including approaches for mixed and sliding decision-making, for context interpretation, for dealing with uncertainty, transparent anticipation, reliability, human-centric planning and decision-making, interdependencies, and augmented decision-making. Transparency, fairness, technical accuracy and robustness will be the key, together with validation strategies assessing also the quality of the decision of the AI supported socio-technical system

1. Eligibility

The Eligibility conditions as stated above apply. The following applicants are encouraged to apply: Public authorities, educational institutions including higher educational establishment, Industry including small and medium enterprises (SMEs), Research centers, Non-profit organizations (NGOs), other actors

2. Financial set-up

A support of 8 million € per project can be granted.

3. Application

The Application process is the identical to the application process stated under B. I. 2.) *Application process* in this document.

II. Alliances for Education and Enterprises

[Call: Partnerships for Innovation: Alliances \(ERASMUS-EDU-2033-PI-ALL-INNO\)](#)

Lump Sum Grant, Deadline 15 September 2022 17:00 Brussels time.

1. Objectives of the call

Fostering new, innovative and multidisciplinary approaches to teaching and learning: fostering innovation in education design and delivery, teaching methods, assessment techniques, learning environments and/or developing new skills;

Fostering corporate **social responsibility** (e.g. equity, inclusion, climate change, environmental protection and sustainable development);

Stimulating a sense of initiative and entrepreneurial attitudes, mind-sets and skills in learners, educational staff and other workers, in line with the Entrepreneurship Competence Framework. Improving the quality and relevance of skills developed and certified through education and training systems (including new skills and tackling skills mismatches);

Facilitating the flow and co-creation of knowledge between higher education and vocational education and training, research, the public sector and the business sector;

Building and supporting effective and efficient higher education and vocational education and training systems, which are connected and inclusive, and contribute to innovation.

1. Eligibility

Public or private organizations legally established in an EU Member State or third country associated to the Programme or in any third country not associated to the Programme are encouraged to apply. Alliances must cover at least 4 EU Member States and third countries associated to the Programme, involving a minimum of 8 full partners.

2. Financial Set-up

Lump sum funding model

Maximum EU grant per project is:

1 million (2 Years)

1.5 million (3 years)

Applicants must fill in a detailed budget table according to the application form, taking into account the following points:

- a) the budget should be detailed as necessary by beneficiary/ies and organized in coherent work packages
- b) the proposal must describe the activities covered by each work package
- c) Applicants must provide in their proposal a breakdown of the estimated costs showing the share per work package
- d) Costs described can cover staff costs, travel and subsistence costs, equipment costs and subcontracting as well as other costs

Pre-financing payment

A pre-financing payment will be transferred to the beneficiary within 30 days of the date when the last of the two parties signed. If the financial capacity of the beneficiary is deemed weak the pre-financing payment might be reduced or removed.

Payment or recovery of the balance

The amount of the final payment to be made to the beneficiary will be established on the basis of a final report to be submitted by the deadline indicated in the grant agreement. If a) the events generating the grants are not implemented or are implemented in a different way than planned, or b) the eligible costs actually incurred by the beneficiary are lower than those planned at application stage, or c) the quality of the realised activities/outputs is of insufficient quality, the funding may be reduced proportionally or, where applicable, the beneficiary will be required to repay any excess amounts already received as pre-financing payment.

As a general rule, the final payment or request for recovery of the balance will be issued within 60 calendar days of the receipt of the final report.

3. Application

Applicants must [register](#) in the Funding & Tender opportunities portal (FTOP) and receive a Participant Identification Code (PIC). Organisations/groups that have already obtained a PIC through their participation in other EU programmes

As part of the registration process, applicants must also upload the following documents:

-the [Legal Entity form](#)

-the financial Identification form.

The page limit is **70 pages**.

Applicants will have to show their capacity via the following information in the Application Form:

-general profiles of the staff responsible for managing and implementing the project

-description of the consortium participants

-list of EU-funded projects for the last 4 years

To request an EU grant under the Erasmus+ Programme, applicants must use the forms specific for each action and available on the websites of the European Commission or of the National Agencies ([contact](#)).

Applications sent by post, courier service, fax or email will not be accepted.

III. European Network of AI Excellence Centers: Expanding the European AI lighthouse

[Call: A HUMAN-CENTRED AND ETHICAL DEVELOPMENT OF DIGITAL AND INDUSTRIAL TECHNOLOGIES 2022 \(HORIZON-CL4-2022-HUMAN-02\)](#)

Single-stage, Deadline: 16 November 2022 17:00 Brussels time

Objectives of the call:

The proposals should include mechanisms to spread the latest and most advanced knowledge to all the AI-labs in Europe, develop synergies and cross-fertilization between industry, academia and civil society. Become a common resource and shared facility, as a virtual laboratory offering access to knowledge and expertise and attracting talents. Provide broad access to AI excellence in Europe and also play an important role in increasing visibility.

1. Eligibility

The Eligibility conditions as stated above apply. Proposals should be driven by leading researchers in AI and AI relevant technologies from major excellent AI research centres, and bringing the best scientists across Europe, including also from promising research labs.

2. Financial set-up

The budget per project is 11 500 000€. The maximum amount to be granted to each third party is 60 000€.

3. Application

The Application process is the identical to the application process stated under B. I. 2.) *Application process* in this document.

IV. Alliances for Sectoral Cooperation on Skills

[Call: Partnerships for Innovation: Alliances \(ERASMUS-EDU-2022-PI-ALL-INNO\)](#)

Erasmus Lump Sum Grant, single-stage, Deadline: 15 September 17:00

Objectives:

These partnerships shall implement a coherent and comprehensive set of sectoral or cross-sectoral activities, which should be adaptable to future knowledge developments across the EU. To boost innovation, the focus will be on digital skills as they are increasingly important in all job profiles across the entire labour market. Also, the transition to a circular and greener economy needs to be underpinned by changes to qualifications and national education and training curricula to meet emerging professional needs for green skills and sustainable development.

1. Eligibility

Any full partner legally established in an EU Member State or third country associated to the Programme can be the applicant. This organisation applies on behalf of all participating organisations involved in the project. Higher education institutions established in an EU Member State or third country associated to the programme must hold a valid Erasmus Charter for Higher Education (ECHE). An ECHE is not required for participating HEIs in Third countries not associated to the programme.

2. Financial Set-up

The duration of the project is 4 years. The budget per project is 4 000 000€.

3. Application

Participants have to apply to the European Education and Culture Executive Agency (EACEA).

The page limit is **120 pages**. The application form can be found [here](#).

D. Innovative Europe

I. European Innovation Council

1. About the European Innovation Council

The European Innovation Council (EIC) has been established under the EU Horizon Europe programme. It has a budget of €10.1 billion to support groundbreaking innovations. The funding and support is organised into three main funding schemes: the EIC Pathfinder for advanced research to develop the scientific basis to underpin breakthrough technologies (the EIC Transition to validate technologies and develop business plans for specific applications and the EIC Accelerator to support companies to bring their innovations to market and scale up. It is an agile organization, and the activities are expected to change and develop in every annual work programme. The main provisions of the EIC Open calls are expected to remain relatively stable.

2. Eligibility

For the EIC Pathfinder:

Consortia of at least three different independent legal entities established in at least three different eligible countries.

Additionally, single applicants or small consortia (two partners) for EIC Pathfinder Challenges only.

For the EIC Transition:

Single applicants (SMEs, spin-offs, start-ups, research organisations, universities) or small consortia (two partners) or consortia of three to five different independent legal entities established in at least three different eligible countries.

Proposals must build on results from eligible EIC Pathfinder, FET or ERC Proof of Concept projects.

For the EIC Accelerator:

Single start-ups and SMEs (including spin-outs), individuals (intending to launch a start-up/SME) and in exceptional cases small mid-caps (fewer than 499 employees).

3. Financial Set-up

For the EIC Pathfinder:

EUR 4 million to achieve the proof of principle and validate the scientific basis of breakthrough technology.

For the EIC Transition:

Grants of up to EUR 2.5 million (or more if properly justified) to validate and demonstrate technology in application- relevant environment and develop market readiness.

For the EIC Accelerator:

Up to EUR 2.5 million grant component for technology development EUR 0.5 up to 15 million¹⁵ investment component for scaling up and other activities. Grant only/grant first under certain conditions. Investment component only for small mid-caps or as follow up to grant only.

II. European Institute of Innovation and Technology**1. About the European Institute of Innovation and Technology**

The European Institute of Innovation and Technology (EIT) supports dynamic pan-European partnerships, EIT Knowledge and Innovation Communities, among leading, companies, research labs and universities. One of the many ways the EIT supports innovation is through the HEI Initiative. The initiative for Higher Education Institutes aims to support higher education institutions with expertise and coaching, access to the EIT innovation ecosystem and funding.

2. Eligibility

Higher Education institutions one of which must be a KIC partner are eligible to apply, as well as public bodies at local, regional or national level, research institutions in Horizon Europe countries, intermediary organisations or associations which represent Higher Education Institutions and Public or private, small, medium or large enterprises.

3. Financial Set-up

The financial set-up changes with the annual calls. During the pilot phase ta Funding of up to 400 000€ per consortium was available in Phase 1, in Phase 2 funding up to 800 000€ was available, leading to a total of up to EUR 1.2 million over 24 months.

Part 2

A. Successful Horizon Europe Proposals

I. Up to University- Bridging the gap between schools and universities through informal education

Call: Information and Communication Technologies Call, Horizon 2020

1.1.2017-31.3.2020

Coordinated by GEANT VERENIGING

EU-Contribution: 4 928 602, 50€

1. Expected Impact of the Call

The proposed solutions should cover one or several of the following areas:

easy creation, mix and re-use of content, services, applications and contextual data for interactive learning processes (e.g. authoring and modelling tools; syndication tools; networked objects; electronic publishing platforms; social and collaborative networks);

environments for new learning experiences and experimentation (e.g. 3D simulation and modelling technologies, visualisation technologies, augmented and virtual reality, location intelligence, intelligent tutors and other adaptive and multimodal technologies);

educational support services (e.g. learning analytics for creating, collecting, storing, sharing learner/educational data in a systematic, secure way).

2. Objectives of the proposal

To bridge the gap between secondary schools (high schools) and university

“We realized that the lack of digital skills is one of the main reasons why students drop out of university. After graduating, they enter tertiary education without the necessary background to cope with their new educational environment. Up2U is meant to help them develop their digital skills and make the transition from secondary education to university much smoother”- Erik Kikkenborg (coordinator of the project)

The development of an innovative Up to University (Up2U) ecosystem, that facilitates open, more effective, and efficient co-design to create a dynamic hybrid learning environment ensure that it’s outcomes can be sustained after the project finishes.

3. Results

Developed an ecosystem where users can pick the LMSs (learning management systems) they need, knowing that they all integrate with each other and that achievements and progress can be transferred from one to another without ever compromising on user experience.

“Up2U is a portable, open, pedagogy-driven digital ecosystem built with the learning community in mind.” - Gyongyi Horváth

Tested in five member states (Germany, Greece, Hungary, Italy, Lithuania, Poland and Portugal)

To convince schoolteachers to work with the Up2U ecosystem they developed the Continuous Professional Development methodology (CPD).

Most of the pilot countries have already committed to running a national programme for the Up2U ecosystem

II. Second Language Tutoring using Social Robots

Call: CT 2015 - Information and Communications Technologies (H2020-ICT-2015)

1.1.2016-31.12.2018

EU Contribution: 3 042 562 €

Coordinated by the University of Plymouth

1. Expected Impact of the Call

To reinforce European leadership in adaptive learning technologies for the personalisation of learning experiences. This must be measured by the number of excellence centres collaborating through specific joint research experimentations and technology transfers programmes.

Enable faster ways of testing fundamental business hypothesis (including continuous development and testing with users) and increased skills capacity. Facilitate the emergence of new innovative businesses. Facilitate the emergence of innovative businesses and create a digital learning ecosystem in Europe. Speed up the rate of adoption on technologies for the modernization of education and training. Contribute to the objectives of the "Opening up Education" initiative. Enhance the development of digital learning and teaching resources, including for children and adults with mental or physical disabilities. Increase the number of public-private partnerships addressing technological challenges for modernizing and improving education and training

2. Objectives of the proposal

L2TOR focuses on the domain of second language learning in early childhood. It will further the science and technology of language tutoring robots, with a strong focus on multimodal interactive tutoring for young children. L2TOR will focus on native speaking Dutch, German and Turkish children learning English. It will have to address technical aspects as social signal processing and exploring the pedagogy of social robots and the use of social robot to assist in language tutoring- and development psychology aspects.

3. Results

L2TOR focused on children around five years old. In a study of approximately 200 Dutch-speaking children, a fourth of the children learned English with a robot who gestured, a fourth with a robot who did not gesture a fourth with a tablet and a fourth had no second language teaching. The team learned that the children did not learn better with the robot, whether gesturing or not. The paper presenting the results won the “Best Full Paper Award on HRI User Studies” at the 14th Annual ACM/IEEE International Conference on Human-Robot Interaction (HMI).

B. Key principles when writing a proposal

1. Proposed work must be within the scope of the work programme topic
2. Demonstrate that the idea is ambitious and goes beyond the state of the art
3. Scientific methodology must take into account interdisciplinary, gender dimension and open science practices
4. Show how the project could contribute to the outcomes and impacts described in the work programme
5. Describe the planned measures to maximise the impact of the project
6. Demonstrate the quality of your work plan, resources and participants

For further information

[MSCA ACTIONS](#)

[Digital, Industry and Space](#)

[Alliances for Education and Enterprises](#)

[European Innovation Council](#)

Practical Tips for the ECR proposals

[Steps for applying](#)

<https://www.youtube.com/watch?v=xbFbzkVWgCU&list=PLtv6FnsXqnXAYRk6HCErwMxwML0ZKoMcy&index=2>

[EDMSK Checklist](#)

[Introduction to Horizon Europe proposal development](#)

[Horizon Europe Proposal writing tips](#)

[Webinar: How to prepare a successful proposal in Horizon Europe](#)