

Please check our [wiki](#) for help on navigating the form.

Horizon 2020

Call: H2020-ICT-2018-2020
(Information and Communication Technologies)

Topic: ICT-02-2018

Type of action: RIA

Proposal number: SEP-210489427

Proposal acronym: SRHC

Deadline Id: H2020-ICT-2018-2

Table of contents

Section	Title	Action
1	General information	
2	Participants & contacts	
3	Budget	
4	Ethics	
5	Call-specific questions	

How to fill in the forms

The administrative forms must be filled in for each proposal using the templates available in the submission system. Some data fields in the administrative forms are pre-filled based on the steps in the submission wizard.

Proposal Submission Forms

Proposal ID SEP-210489427

Acronym SRHC

1 - General information

Topic ICT-02-2018

Type of Action RIA

Call Identifier H2020-ICT-2018-2020

Deadline Id H2020-ICT-2018-2

Acronym SRHC

Proposal title Smart Robot House Cleaner

Note that for technical reasons, the following characters are not accepted in the Proposal Title and will be removed: < > " &

Duration in months

4

Fixed keyword 1

Electrical and electronic engineering

Free keywords

Robot Lifestyle Cleaning

Abstract

The main idea that led us to propose this work was that people would have a lot more time to spend on activities that they like, instead of wasting time on doing monotonous chores like: vacuuming, wiping, cleaning windows, etc.

Objectives:

1. Cleaning: SRHC has to actually do its job well, and not just be a gimmick.

We will be measuring how much it has cleaned vs. how much there is to be cleaned.

2. Safety: SRHC should go through all the places in the house without breaking or damaging things that are not considered dirt. It should also be safe to use around pets like cats and dogs.

3. Self management: To lessen the amount of work a person has to do, SRHC should go back to the charging station when it's low on battery. Also, it should go back to the charging station when it finishes its job. When the garbage bag is full, it should dump its content into the designated trash can.

4. Initialization: The first time SRHC is activated in the room/house it should go through the place (going next to the walls, following right edges), and scan the position of all the objects in the room. After scanning the positions, it should be able to reconstruct the room, so it can go through it and clean it without breaking anything.

5. Programmability: SRHC should be programmable in some ways. User will be able to program it to start automatic cleaning every day at the same time.

6. Resistance: In order to last longer, SRHC will be made of steel. It will have some kind of armor so it cannot break if something falls on it.

7. Cleaning hard to reach places: Our robot will be able to access hard to reach places such as corners of the walls and high shelves.

Remaining characters

332

Proposal Submission Forms

Proposal ID SEP-210489427

Acronym SRHC

Has this proposal (or a very similar one) been submitted in the past 2 years in response to a call for proposals under Horizon 2020 or any other EU programme(s)?

☐ Yes ☒ No

Please give the proposal reference or contract number.

XXXXXX-X

Declarations

1) The coordinator declares to have the explicit consent of all applicants on their participation and on the content of this proposal.	<input checked="" type="checkbox"/>
2) The information contained in this proposal is correct and complete.	<input checked="" type="checkbox"/>
3) This proposal complies with ethical principles (including the highest standards of research integrity — as set out, for instance, in the European Code of Conduct for Research Integrity — and including, in particular, avoiding fabrication, falsification, plagiarism or other research misconduct).	<input checked="" type="checkbox"/>
4) The coordinator confirms:	
- to have carried out the self-check of the financial capacity of the organisation on http://ec.europa.eu/research/participants/portal/desktop/en/organisations/lfv.html or to be covered by a financial viability check in an EU project for the last closed financial year. Where the result was “weak” or “insufficient”, the coordinator confirms being aware of the measures that may be imposed in accordance with the H2020 Grants Manual (Chapter on Financial capacity check); or	<input checked="" type="radio"/>
- is exempt from the financial capacity check being a public body including international organisations, higher or secondary education establishment or a legal entity, whose viability is guaranteed by a Member State or associated country, as defined in the H2020 Grants Manual (Chapter on Financial capacity check); or	<input type="radio"/>
- as sole participant in the proposal is exempt from the financial capacity check.	<input type="radio"/>
5) The coordinator hereby declares that each applicant has confirmed:	
- they are fully eligible in accordance with the criteria set out in the specific call for proposals; and	<input checked="" type="checkbox"/>
- they have the financial and operational capacity to carry out the proposed action.	<input checked="" type="checkbox"/>
The coordinator is only responsible for the correctness of the information relating to his/her own organisation. Each applicant remains responsible for the correctness of the information related to him and declared above. Where the proposal to be retained for EU funding, the coordinator and each beneficiary applicant will be required to present a formal declaration in this respect.	

Proposal Submission Forms

Proposal ID SEP-210489427

Acronym SRHC

According to Article 131 of the Financial Regulation of 25 October 2012 on the financial rules applicable to the general budget of the Union (Official Journal L 298 of 26.10.2012, p. 1) and Article 145 of its Rules of Application (Official Journal L 362, 31.12.2012, p.1) applicants found guilty of misrepresentation may be subject to administrative and financial penalties under certain conditions.

Personal data protection

The assessment of your grant application will involve the collection and processing of personal data (such as your name, address and CV), which will be performed pursuant to Regulation (EC) No 45/2001 on the protection of individuals with regard to the processing of personal data by the Community institutions and bodies and on the free movement of such data. Unless indicated otherwise, your replies to the questions in this form and any personal data requested are required to assess your grant application in accordance with the specifications of the call for proposals and will be processed solely for that purpose. Details concerning the purposes and means of the processing of your personal data as well as information on how to exercise your rights are available in the [privacy statement](#). Applicants may lodge a complaint about the processing of their personal data with the European Data Protection Supervisor at any time.

Your personal data may be registered in the Early Detection and Exclusion system of the European Commission (EDES), the new system established by the Commission to reinforce the protection of the Union's financial interests and to ensure sound financial management, in accordance with the provisions of articles 105a and 108 of the revised EU Financial Regulation (FR) (Regulation (EU, EURATOM) 2015/1929 of the European Parliament and of the Council of 28 October 2015 amending Regulation (EU, EURATOM) No 966/2012) and articles 143 - 144 of the corresponding Rules of Application (RAP) (COMMISSION DELEGATED REGULATION (EU) 2015/2462 of 30 October 2015 amending Delegated Regulation (EU) No 1268/2012) for more information see the [Privacy statement for the EDES Database](#).

Proposal ID SEP-210489427

Acronym SRHC

2 - Participants & contacts

#	Participant Legal Name	Country	Action
1	Faculty of Mathematics, University of Belgrade	Serbia	
2	EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZUERICH	Switzerland	
3	Oxford Data Science Centre Ltd.	United Kingdom	
4	TECHNISCHE UNIVERSITAET MUENCHEN	Germany	

2 - Administrative data of participating organisations

PIC	Legal name
984400427	Faculty of Mathematics, University of Belgrade

Short name: Faculty of Mathematics, University of Belgrade

Address of the organisation

Street Studentski trg 16

Town Belgrade

Postcode 11000

Country Serbia

Webpage www.matf.bg.ac.rs

Legal Status of your organisation

Research and Innovation legal statuses

Public bodyyes	Legal personyes
Non-profityes	
International organisationno	
International organisation of European interestno	Industry (private for profit).....no
Secondary or Higher education establishmentyes	
Research organisationyes	

Enterprise Data

SME self-declared status.....24/10/1990 - no

SME self-assessment unknown

SME validation sme..... unknown

Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.

Proposal Submission Forms

Proposal ID SEP-210489427 Acronym SRHC Short name Faculty of Mathematics, University of Belgrad

Department(s) carrying out the proposed work

No department involved

Department name

Name of the department/institute carrying out the work.

☒ not applicable

☐ Same as organisation address

Street

Please enter street name and number.

Town

Please enter the name of the town.

Postcode

Area code.

Country

Please select a country

Dependencies with other proposal participants

Character of dependence	Participant	

Proposal Submission Forms

Proposal ID **SEP-210489427**

Acronym

SRHC

Short name

Faculty of Mathematics, University of Belgrad

Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Mr.

Sex

☒ Male

☐ Female

First name **Nameo**

Last name **Sumeo**

E-Mail **yepefu@cobin2hood.com**

Position in org.

Team manager

Department

Faculty of Mathematics, University of Belgrade

☒

Same as
organisation name

☒ Same as organisation address

Street

Studentski trg 16

Town

Belgrade

Post code

11000

Country

Serbia

Website

Phone

+381 62 555 544

Phone 2

+XXX XXXXXXXXXX

Fax

+XXX XXXXXXXXXX

Other contact persons

First Name	Last Name	E-mail	Phone
Ana	Bajic	nebitno@gmail.com	+381 62 555 545
Strahinja	Stanojevic	tajna@gmail.com	+381 62 555 546
Nikola	Dimitrijevic	usporensajt@gmail.com	+XXX XXXXXXXXXX

Proposal Submission Forms

Proposal ID SEP-210489427

Acronym

SRHC

Short name ETH Zürich

PIC 999979015
Legal name EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZUERICH

Short name: ETH Zürich

Address of the organisation

Street Raemistrasse 101
Town ZUERICH
Postcode 8092
Country Switzerland
Webpage www.ethz.ch

Legal Status of your organisation

Research and Innovation legal statuses

Public bodyyes	Legal personyes
Non-profityes	
International organisationno	
International organisation of European interestno	Industry (private for profit).....no
Secondary or Higher education establishmentyes	
Research organisationyes	

Enterprise Data

SME self-declared status.....06/01/2009 - no
SME self-assessment unknown
SME validation sme.....06/01/2009 - no

Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.

Proposal Submission Forms

Proposal ID SEP-210489427

Acronym

SRHC

Short name ETH Zürich

Department(s) carrying out the proposed work

No department involved

Department name

Name of the department/institute carrying out the work.

☒ not applicable

☐ Same as organisation address

Street

Please enter street name and number.

Town

Please enter the name of the town.

Postcode

Area code.

Country

Please select a country

Dependencies with other proposal participants

Character of dependence	Participant	

Proposal Submission Forms

Proposal ID **SEP-210489427**

Acronym

SRHC

Short name **ETH Zürich**

Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Ms

Sex

☐

Male

☒

Female

First name

Ana

Last name

Bajic

E-Mail

contact1234@gmail.com

Position in org.

Teaching assistant

Department

EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZUERICH

☒

Same as
organisation name

☒

Same as organisation address

Street

Raemistrasse 101

Town

ZUERICH

Post code

8092

Country

Switzerland

Website

Phone

+38163503603

Phone 2

+XXX XXXXXXXXXX

Fax

+XXX XXXXXXXXXX

Proposal Submission Forms

Proposal ID SEP-210489427

Acronym

SRHC

Short name ODSC

PIC

920822553

Legal name

Oxford Data Science Centre Ltd.

Short name: ODSC

Address of the organisation

Street 154 Oxford Road

Town Oxford

Postcode OX4 2EA

Country United Kingdom

Webpage www.oxford-data-science.eu

Legal Status of your organisation

Research and Innovation legal statuses

Public bodyunknown

Legal personyes

Non-profitunknown

International organisationunknown

International organisation of European interestunknown

Industry (private for profit).....unknown

Secondary or Higher education establishmentunknown

Research organisationunknown

Enterprise Data

SME self-declared status..... unknown

SME self-assessment unknown

SME validation sme..... unknown

Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.

Proposal Submission Forms

Proposal ID SEP-210489427

Acronym

SRHC

Short name ODSC

Department(s) carrying out the proposed work

No department involved

Department name

Name of the department/institute carrying out the work.

☒ not applicable

☐ Same as organisation address

Street

Please enter street name and number.

Town

Please enter the name of the town.

Postcode

Area code.

Country

Please select a country

Dependencies with other proposal participants

Character of dependence	Participant	

Proposal Submission Forms

Proposal ID **SEP-210489427**

Acronym

SRHC

Short name **ODSC**

Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Mr.

Sex

☒ Male

☐ Female

First name **Nikola**

Last name **Dimitrijevic**

E-Mail **brits@gmail.com**

Position in org.

Teaching assistant

Department

Oxford Data Science Centre Ltd.

☒

Same as
organisation name

☒

Same as organisation address

Street

154 Oxford Road

Town

Oxford

Post code

OX4 2EA

Country

United Kingdom

Website

Phone

+381624443321

Phone 2

+XXX XXXXXXXXXX

Fax

+XXX XXXXXXXXXX

Proposal Submission Forms

Proposal ID SEP-210489427

Acronym

SRHC

Short name TUM

PIC

999977463

Legal name

TECHNISCHE UNIVERSITAET MUENCHEN

Short name: TUM

Address of the organisation

Street Arcisstrasse 21

Town MUENCHEN

Postcode 80333

Country Germany

Webpage www.tum.de

Legal Status of your organisation

Research and Innovation legal statuses

Public bodyyes

Legal personyes

Non-profityes

International organisationno

International organisation of European interestno

Industry (private for profit).....no

Secondary or Higher education establishmentyes

Research organisationyes

Enterprise Data

SME self-declared status.....12/04/1868 - no

SME self-assessment12/04/1868 - no

SME validation sme..... unknown

Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.

Proposal Submission Forms

Proposal ID SEP-210489427

Acronym

SRHC

Short name TUM

Department(s) carrying out the proposed work

No department involved

Department name

Name of the department/institute carrying out the work.

☒ not applicable

☐ Same as organisation address

Street

Please enter street name and number.

Town

Please enter the name of the town.

Postcode

Area code.

Country

Please select a country

Dependencies with other proposal participants

Character of dependence	Participant	

Proposal Submission Forms

Proposal ID **SEP-210489427**

Acronym

SRHC

Short name **TUM**

Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Mr.

Sex

☒ Male

☐ Female

First name **Strahinja**

Last name **Stanojevic**

E-Mail **strajabrt@gmail.com**

Position in org.

Teaching assistant

Department

TECHNISCHE UNIVERSITAET MUENCHEN

☒

Same as
organisation name

☒ Same as organisation address

Street

Arcisstrasse 21

Town

MUENCHEN

Post code

80333

Country

Germany

Website

Phone

+38160200303

Phone 2

+XXX XXXXXXXXXX

Fax

+XXX XXXXXXXXXX

Proposal Submission Forms

Proposal ID **SEP-210489427**

Acronym **SRHC**

3 - Budget

No	Participant	Country	(A) Direct personnel costs/€	(B) Other direct costs/€	(C) Direct costs of sub- contracting/€	(D) Direct costs of providing financial support to third parties/€	(E) Costs of inkind contributions not used on the beneficiary's premises/€	(F) Indirect Costs / € (=0.25(A+B-E))	(G) Special unit costs covering direct & indirect costs / €	(H) Total estimated eligible costs / € (=A+B+C+D+F +G)	(I) Reimburse- ment rate (%)	(J) Max.EU Contribution / € (=H*I)	(K) Requested EU Contribution/ €
			?	?	?	?	?	?	?	?	?	?	?
1	Faculty Of Mathematics, University Of	RS	150000	50000	200000	0	30000	42500,00	60000	502500,00	100	502500,00	565000,00
2	Eidgenoessisch e Technische Hochschule	CH	100000	3000	0	0	0	25750,00	10000	138750,00	100	138750,00	100000,00
3	Oxford Data Science Centre Ltd.	UK	100000	2000	0	0	0	25500,00	9000	136500,00	100	136500,00	200000,00
4	Technische Universitaet Muenchen	DE	100000	3000	0	0	0	25750,00	11000	139750,00	100	139750,00	50000,00
	Total		450000	58000	200000	0	30000	119500,00	90000	917500,00		917500,00	915000,00

4 - Ethics

1. HUMAN EMBRYOS/FOETUSES		Page
Does your research involve Human Embryonic Stem Cells (hESCs) ?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Does your research involve the use of human embryos?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Does your research involve the use of human foetal tissues / cells?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
2. HUMANS		Page
Does your research involve human participants?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Does your research involve physical interventions on the study participants?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
3. HUMAN CELLS / TISSUES		Page
Does your research involve human cells or tissues (other than from Human Embryos/Foetuses, i.e. section 1)?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
4. PERSONAL DATA		Page
Does your research involve personal data collection and/or processing?	<input checked="" type="radio"/> Yes <input type="radio"/> No	4
Does it involve the collection and/or processing of sensitive personal data (e.g. health, sexual lifestyle, ethnicity, political opinion, religious or philosophical conviction)?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Does it involve processing of genetic information?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Does it involve tracking or observation of participants?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Does your research involve further processing of previously collected personal data (secondary use)?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
5. ANIMALS		Page
Does your research involve animals?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
6. THIRD COUNTRIES		Page
In case non-EU countries are involved, do the research related activities undertaken in these countries raise potential ethics issues?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Do you plan to use local resources (e.g. animal and/or human tissue samples, genetic material, live animals, human remains, materials of historical value, endangered fauna or flora samples, etc.)?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Do you plan to import any material - including personal data - from non-EU countries into the EU?	<input type="radio"/> Yes <input checked="" type="radio"/> No	

Proposal Submission Forms

Proposal ID SEP-210489427

Acronym SRHC

Do you plan to export any material - including personal data - from the EU to non-EU countries?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
In case your research involves low and/or lower middle income countries , are any benefits-sharing actions planned?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Could the situation in the country put the individuals taking part in the research at risk?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
7. ENVIRONMENT & HEALTH and SAFETY		Page
Does your research involve the use of elements that may cause harm to the environment, to animals or plants?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Does your research deal with endangered fauna and/or flora and/or protected areas?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Does your research involve the use of elements that may cause harm to humans, including research staff?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
8. DUAL USE		Page
Does your research involve dual-use items in the sense of Regulation 428/2009, or other items for which an authorisation is required?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
9. EXCLUSIVE FOCUS ON CIVIL APPLICATIONS		Page
Could your research raise concerns regarding the exclusive focus on civil applications?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
10. MISUSE		Page
Does your research have the potential for misuse of research results?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
11. OTHER ETHICS ISSUES		Page
Are there any other ethics issues that should be taken into consideration? Please specify	<input type="radio"/> Yes <input checked="" type="radio"/> No	

I confirm that I have taken into account all ethics issues described above and that, if any ethics issues apply, I will complete the ethics self-assessment and attach the required documents. ☒

[How to Complete your Ethics Self-Assessment](#)

5 - Call-specific questions

Extended Open Research Data Pilot in Horizon 2020

If selected, applicants will by default participate in the [Pilot on Open Research Data in Horizon 2020](#)¹, which aims to improve and maximise access to and re-use of research data generated by actions.

However, participation in the Pilot is flexible in the sense that it does not mean that all research data needs to be open. After the action has started, participants will formulate a [Data Management Plan \(DMP\)](#), which should address the relevant aspects of making data FAIR – findable, accessible, interoperable and re-usable, including what data the project will generate, whether and how it will be made accessible for verification and re-use, and how it will be curated and preserved. Through this DMP projects can define certain datasets to remain closed according to the principle "as open as possible, as closed as necessary". A Data Management Plan does not have to be submitted at the proposal stage.

Furthermore, applicants also have the possibility to opt out of this Pilot completely at any stage (before or after the grant signature). In this case, applicants must indicate a reason for this choice (see options below).

Please note that participation in this Pilot does not constitute part of the evaluation process. Proposals will not be penalised for opting out.

We wish to opt out of the Pilot on Open Research Data in Horizon 2020.

☐ Yes

☒ No

Further guidance on open access and research data management is available on the participant portal:

http://ec.europa.eu/research/participants/docs/h2020-funding-guide/cross-cutting-issues/open-access-dissemination_en.htm and in general annex L of the Work Programme.

¹ According to article 43.2 of Regulation (EU) No 1290/2013 of the European Parliament and of the Council, of 11 December 2013, laying down the rules for participation and dissemination in "Horizon 2020 - the Framework Programme for Research and Innovation (2014-2020)" and repealing Regulation (EC) No 1906/2006.