Information and Communication Technology Call 2022

Full Proposers' Day 12th July

Grace Liu Michael Strassnig



Agenda

W|W|T|F

- ICT Call 2022
- Evaluation of full proposal: process and criteria
- Using the online Submission System
- Q & A

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ICT22 | New documents for full proposal phase









→ Download here: https://www.wwtf.at/funding/programmes/ict/index.php?lang=EN#ICT22

ICT22 | Key facts

WWTF

- 2-stage selection process:
 - ► Short proposal deadline: 12.04.2021 (67 proposals)
 - ► Full proposal deadline: 30.08.2021 (26 proposals)
- Funding range: € 400,000 € 800,000*
- 2 4 year research projects
- Total budget: € 6 Mio

ICT22 | Scope

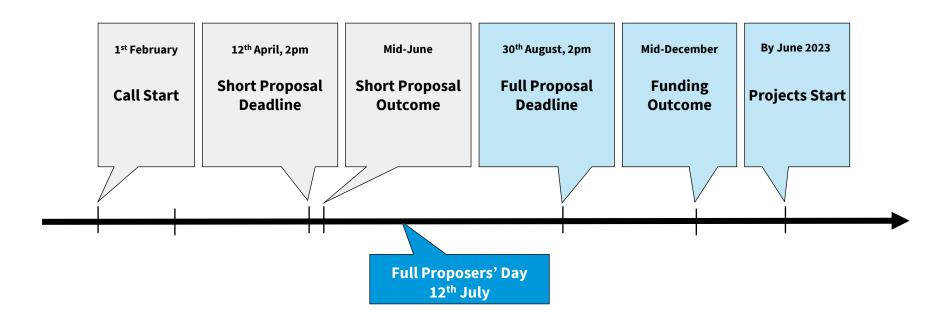
- Proposals should aim to improve understanding of fundamental research questions in computer science, software engineering, information systems, communication, etc., as well as its application in different fields
- Projects with software or hardware foci are welcome.
- Projects may be focused within a single discipline, be interdisciplinary or transdisciplinary in nature.
- Projects should strive for prospective medium-term social or economic impact but retain a clear focus on furthering fundamental state-of-theart in the ICT field.

ICT22 | Scope

- Projects should seek to address a clearly-framed hypothesis-driven question using innovative methods and a well-defined research plan.
- ➤ The development of source code, systems, or prototypes should **not** be the main goal of the project; however, it is encouraged if it demonstrates the practical applicability of the new scientific results. Development activities should only aim at proving the developed concepts or assessing the performance of the derived solutions.

ICT22 | Call timeline





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W|W|T|F

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ICT22 | Full proposal evaluation process

W|W|T|F

Formal check by WWTF Office

- ► All sections complete, signatures attached
- Budget limits per cost category and region
- Plagiarism check

ICT22 | Full proposal evaluation process

w|w|T|F

Written peer review

- Minimum of three written reviews per proposal
- Reviewers to cover various aspects of proposal
- Only international reviewers with no recent collaborations with team

Jury meeting

- Each proposal assigned to two jury members
- Reviews as basis for discussion
- ► Recommend ~8 projects for funding

ICT22 | Funding decision

W|W|T|F

- ► Formal decision by WWTF Board of Directors
- ► All applicants will be notified of outcome
 - All teams will receive anonymised written reviews
 - Unsuccessful applicants will also receive summary of jury discussion

ICT22 | Funding decision

w|w|T|F

- ► In case of funding:
 - ➤ **WWTF Projects**: Funding contract is between WWTF and the coordinating PI's host institution (according to § 27 of the 2002 University Law)
 - ➤ **Joint Projects**: Funding contract is between WWTF and the coordinating PI's host institution (according to § 27 of the 2002 University Law) and host institution of the Lower Austrian Co-PI
 - Coordinating PI has scientific and financial responsibility for the project

ICT22 | Evaluation criteria

w|w|T|F

- Scientific excellence of the proposal and fit to the call
 - Forefront of international research
 - Framing of research questions & hypothesis
- Innovativeness of approaches and methodologies
- Competencies of applicants
 - Experience and track record (considering academic age and career breaks)
 - Sufficiency and balance of competencies
 - Potential for career development
 - Gender balance

ICT22 | Evaluation criteria

W|W|T|F

- ► Feasibility of working plan
 - ► Timeline adequate?
 - Resources sufficient?
 - Budget justified?
- Perspective to application
 - Impact for research fields beyond the immediate scope of the project?
 - ► Contribution towards solving a broader societal/economical problem?

Agenda

W|W|T|F

- ► ICT Call 2022
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Submission System | Log in



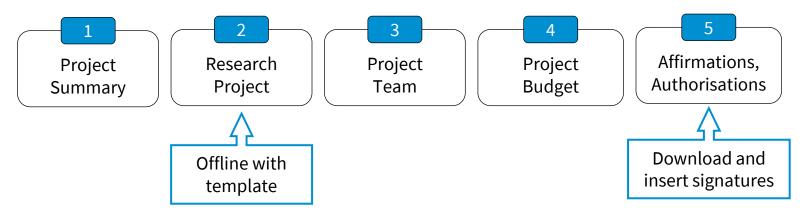
- ► https://funding.wwtf.at
- Login → "my proposals" → select current call
- Select proposal(s) under "Work in progress (phase 2)"



Full proposal structure



The full proposal consists of **5 parts**:



- Save proposal and return later at any point to edit/add content
- Submission is only possible after the proposal has been fully completed
- No amendments can be made after the submission

Project summary



Info	ormatio	on and Communication	n Techn	ology 2022		
Is this a Joint Project with subs	tantial fund	ding going to partners in Lower A	Austria?*			
Yes (Joint Project) No (WWTF Project)						Title cannot be
For details please refer to the Sub	omission Gu	ideline for Full Proposals.				changed
Project number:	KCT223-08	No.				
Project title:	helipman	ion Theory Informed Machine	Learning h	or Wireless Communications		
Acronym: *	1000	ad/ilireless				
Keywords:	machine	learning, wireless communicati	ons, geome	tric deep learning		
Project duration:	48 mont	hs			~	
Requested funding (in k€):	will be ca	alculated in Part 4				
Scientific disciplines relevant to the	e project: A	t least one category; sum must equ	ual 100 %; Uj	pdated version of July 2015. *		Duration
Main scientific discipline:	%	Other scientific discipline:	%	Other scientific discipline:	%	
202038 - Telecommunications	65	102019 - Machine learning	35			can be
						changed

Project summary



Scientific abstract * (max. 1500 characters including spacing)

Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet.

Abstract from Short Proposal

First information for peer reviewers

General description (in German) * (max. 1500 characters including spacing)

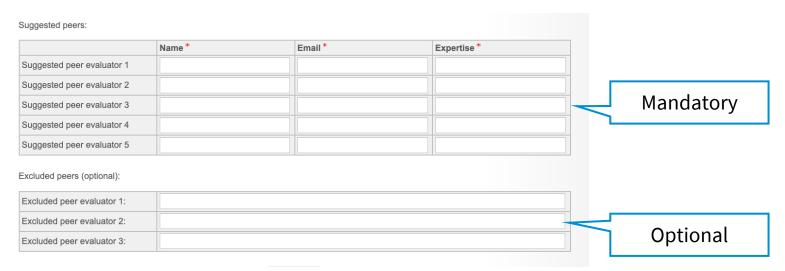
In German

For public, media and fundraising

Peer reviewers

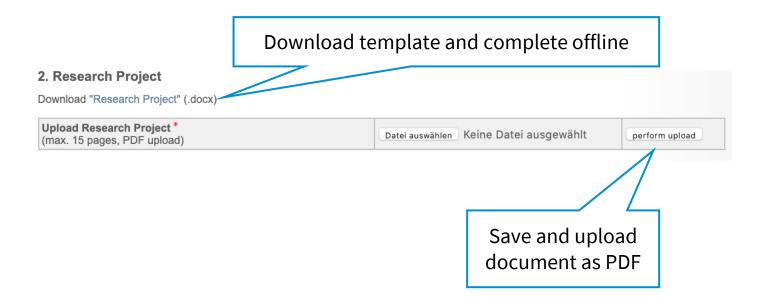


- ▶ Only international researchers (i.e. outside of Austria)
- ▶ No joint publication in the last five years



Research project





Research project structure

WWTF

- Complete with any word processing program
- ▶ Bold headings are mandatory, sub-heading are recommendations
- Maximum 15 pages, including figures, images and tables
- 1) Introduction (3 pages)
 - a) Subject of the research
 - b) State of the art and key scientific challenges (including own scientific work)
- 2) Hypotheses and objectives (2 pages)
 - a) Research questions and hypotheses
 - b) Objectives of the project

Research project structure

WWTF

- 3) Novelty and expected results (2.5 pages)
 - a) Novelty of the proposed research
 - b) Expected results and relevance to field of ICT

4) Methodological approach (4 pages)

- a) Research methods
- b) Research plan (including Gantt chart)
- c) Feasibility and risk management

Research project structure



5) Potential impact for uptake (1 page)

- a) Impact for research outside of immediate scope of project
- b) Potential mid-term relevance for applications and possible societal/economic benefits

6) Project team (1 page)

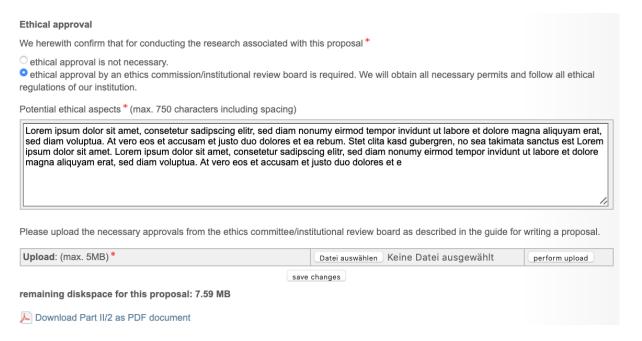
- a) Roles and expertise of personnel
- b) Collaborative elements of project, including interdisciplinary aspects
- c) Project management and supervision

7) Key references (about 1.5 pages)

Ethical approval



Approval must be submitted with full proposal



Core team members



3. Project Team				
Concise description of the project resp	consibilities and competences of the	proiect team members.		
Principal Investigator				
Profile of principal investigator and co	ordinator:			
	Title:	First/given name(s):	Last name/surname:	
	Ms. 💠	Elisabeth	Nagl	
	Highest academic title:	Staff category:	Employment at current ins the time of submission of t proposal:	
	Finished diploma degree \$	Senior personnel \$	permanent	\$
	Year of birth:	Date of doctorate: (dd.mm.yyyy)	ORCID/Researcher ID:	
	2000			
Affiliation	WWTF			
Region *	Vienna Lower Austria Other			
Institute/Department/Group:	Programme Management			
Address:	Schlickgasse 3/12			
Zip code/city/country:	1090	Wien	Austria	
Telephone:	+431402314319			
E-mail:	elisabeth.nagl@wwtf.at			
Homepage of Institute/Research Group:	www.wwtf.at			
Personal Scientific Website:	www.wwtf.at			
Scientific Expertise (max. 80 characters)	Research Funding			

Basic information about core team members cannot be changed

Core team members

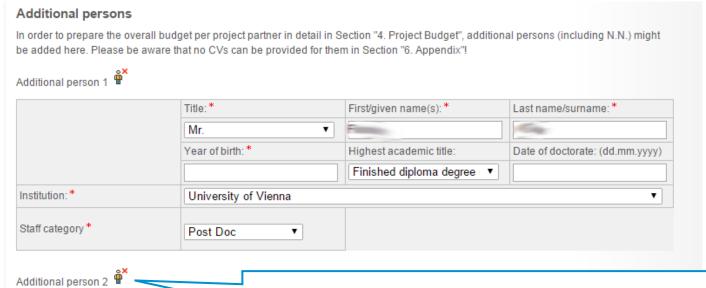




Updated CV (using template) may be uploaded

Additional persons and partner institutes

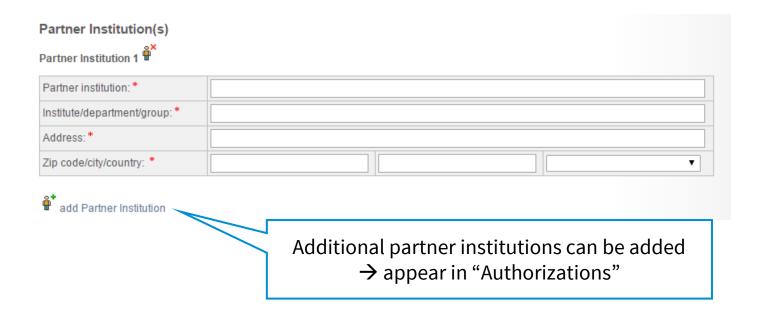




Additional persons working on the project can be added -> appear in "Planning of personnel costs"

Additional persons and partner institutes





Gender equality and career development



How will gender equality and balance in the team be addressed and promoted?

Project team composition & gender equality * (up to 750 characters)	
Career development prospects and potential to secure additional funding * (up to 750 characters)	
	//

How will the project contribute to the career development of team members?

WWTF | Gender Policy



WWTF aims to:

- implement gender-neutral processes
- raise awareness of gender bias (applicants, reviewers, panels)
- use evaluation criteria that account for career breaks and atypical career paths e.g. due to family circumstances

WWTF encourages **balanced teams** & more female researchers to apply as PIs of research projects

→ https://www.wwtf.at/upload/sex_gender_considerations_wwtf1.pdf



Including sex and gender considerations in WWTF proposals and

What are the benefits of gender balanced teams and increasing the participation of under-represented groups among co-applicants and collaborators?

Gender balanced teams lead to diverse experiences and approaches to knowledge creation and increase the spectrum of ideas and insights which broaden and vastly improve the chances of producting breakthrough discoveries and innovation. It is linked to increased creativity, productivity, engagement and innovation.

Why consider sex and/or gender in research design?

A growing number of studies show that consideration of sex, gender and diversity has the potential to make research more thickley sound, more rigorous and more useful. Extrapolation of research results to the population as a whole, when they actually only apply to a portion of the population, is inaccruded and serious profit leads to serious principations. When there are research projects in which sex and/or gender may not be relevant in terms of the research content, it is well established that, where relevant, not integrating sex and gender analysis into the design, implementation, evaluation and dissemination of the research can lead to poor results and missed opportunities.

How do I determine if sex and/or gender considerations are relevant in my research?

Not all research has potential sex and/or gender (or diversity), dimensions, but these distances of the potential relevance need to be considered. There are an increasing number of examples of research that would have or do benefit from sex and gender considerations being included in the research design and process. A good source for such more provides in the research design and process. A good source for such innovations project as presented on the weballs is to provide scientists and engineers with innovations project as presented on the weballs in their own research. It is important to any provide scientists of the provides are considered in the provides are presented on the provides are provided and engineers with practical methods for sex and gender analysis in their own research. It is important to any provides are provided and the provides are provided and engineers with the provides are provided and the provides are provided and the provides are provided and the provides are provided as a provided and the provides are provided as a provided and the provides are provided as a provided as a provided and the provides are provided as a provided and the provides are provided as a prov

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How will gender equality and balance in the team be addressed and promoted?

Project team composition & gender equality * (up to 750 characters)	
Career development prospects and potential to secure additional funding * (up to 750 characters)	

How will the project contribute to the career development of team members?

Project budget

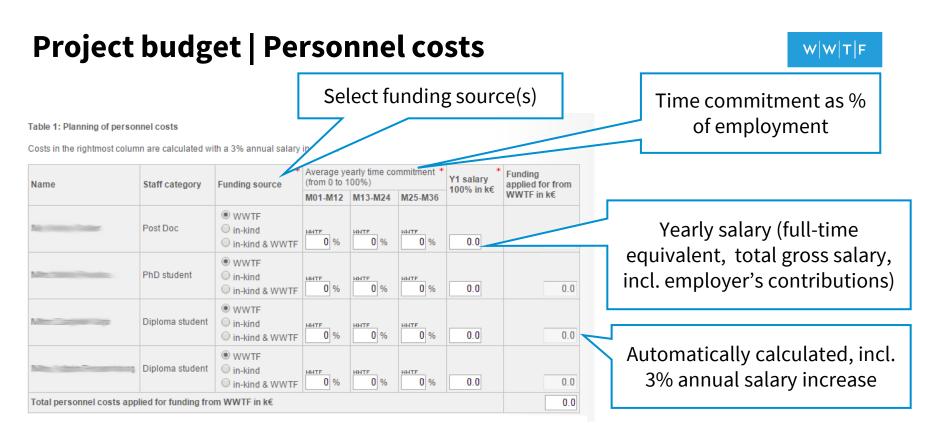


- Direct costs = Min. 75% personnel costs + max. 25% non-personnel costs
- Overhead costs: up to 20% of the direct costs
- Total budget = direct costs + overhead costs
- No funding of companies, but self-funded business partners are possible
- Project-related services from companies can be calculated as consumables (if services cannot be provided within reasonable effort by the team)
- Requested funding can differ ±10% from short proposal (explanation required)

Project budget



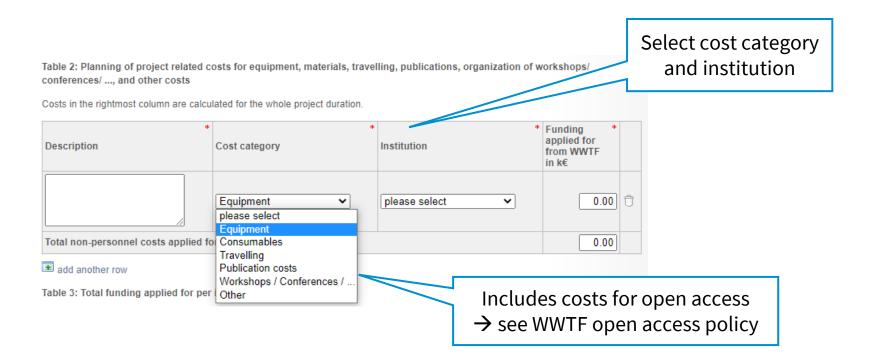
WWTF Projects	Joint Projects			
 Funding volume: max. € 800,000 PI in Vienna Budget distribution: Vienna: min. 80% Other (incl. Lower Austria): max. 20% 	 Funding volume: max. € 880,000 PI in Vienna At least 1 co-PI in Lower Austria Budget distribution: Vienna: min. 51% Lower Austria: 20%-49% Other: max 20% 			
Regional branches of Viennese institutions (e.g. BOKU, VetMed, AIT) located in Lower Austria are considered Viennese partners.				



FWF standards for personnel costs and salaries: https://www.fwf.ac.at/en/research-funding/personnel-costs

Project budget | Non-personnel costs





WWTF | Open Access Regulation



- ► Gold, Green and Hybrid Journals (problematic)
- Costs to cover OA publications may be requested in budget
- Estimated publication costs need to be stated in full proposal phase
- Post-project: max. € 5,000 for 2 years after official end of project
- → https://www.wwtf.at/upload/wwtf_open_access_policy_de1.pdf



Open Access Regulations of WWTF

December 2014

WWTF supports open access to scientific publications and recommends that all scientists make publications related to projects funded by a WWTF programme freely available. The necessary financial means for this can be credited to the funded project in the application and are thus part of the general budget of the project.

1. Scope

This regulation applies to journal articles as well as book publications that are based on research funded by WWTF.

2. Ways of Making Publications accessible through Open Access:

There are three options of Open Access Publication for WWTF-funded projects:

Gold Open Access: publishing in an Open Access journal with immediate and unrestricted electronic access to the final version of the publication, by use of the Creative Commons Attribution (CC-BY) license. Usually costs are charged to the authors.

Green Open Access: self-archiving of a vension of the article accepted by a journal in a subject-specific and/or institutional repository, which is based on principles of long-term archiving with certain quality standards. The embargo time between the first date of publication and self-archiving should not be longer than 6 months or, in reasonably exceptional cases, not longer than 12 months.

Hybrid Open Access: the parallel application of publication and subscription costs for one and the same journal. As this form of open access publication results in higher costs for the entire system, WWTF views Hybrid Open Access as problematic. However, currently it is accepted as given practice. The costs for Hybrid Open Access can be covered in the project budget. Schames, in which a reduction in institutional subscription fees is granted for paid hybrid fees are undermoted.

Book Publications: can be made accessible over Gold Open Access or Green Open Access. In parallel to electronic open access, printed versions can be charged.

3 Publication Costs:

Publication costs already have to be stated in the funding application. Publications published in scientific journals with appropriate measures of quality assurance as well as book publica-

Gold open access journal should be listed at DOAJ (http://doaj.org)

Project budget | Overview tables

W|W|T|F

Table 3: Total funding applied for per institution

	Personnel costs	Equipment, materials, travelling, other costs	Overhead percentage (max. 20%)	Overhead in k€ (flat rate paid by WWTF to institution)	Funding applied for from WWTF in k€	% per institution
Institution 1	0.00	0.00	0 %	0.00	0.00	0.00 %
Institution 2	0.00	0.00	0 %	0.00	0.00	0.00 %
Institution 3	0.00	0.00	0 %	0.00	0.00	0.00 %
Total funding applied for from WWTF in k€	0.00	0.00		0.00	0.00	
% of total direct costs	0.00 %	0.00 %				

Table 4: Budget per region

Region	Funding applied for	
Vienna	0.00 k€	0.00 %
Other	0.00 k€	0.00 %

Specify overhead rate

Final values and % distributions are automatically calculated

Project budget | Explanation



Explanation of Cost Planning * (max. 3000 characters including spacing)		Explain in detail how you intend to spend the funding
Disclosure of other applications for funding: Is the project (or parts of it) already subject to ongoing requests for funding?*(max.		Deviations from the short proposal budget require explanation
750 characters including spacing)		
	\leq	Double funding is not permitted by WWTF



WWTF projects are § 27 projects (for universities)

- A commitment from the involved universities or research institution is necessary, as the coordinator's institution will be the contract partner
- ► **Affirmations**: Signatures of the core team members + Date
- ➤ **Authorisation**: Signatures of the authorized persons from all involved institutions (core team members + partner institutes) + Date

Please do not re-use the signatures from the short proposal

- Be aware of internal regulations of the respective institutions
- Contact the research services unit/grant managers in advance



5. Affirmations and Authorization 5a. Affirmations				
n signing the application form, all persons accurate and complete. They confirm the fo		mation provided in the pro	pposal is, to the best of	their knowledge,
Name	Institution		Date, signature	
Ms. Grace Liu	WWTF			
5b. Authorization				
In signing the application form, the instituti identical with the principal applicant) certifi accurate and complete. It is hereby confirr	es that the information provi			
Institution	Signing person		Date, stamp, signat	ure
WWTF		*		
Signatures				
Please provide PDF files containing the re You can generate the signature sheet at t		he team data (PI, etc.) an	d proposal title has be	en provided.
Please note that the upload procedures for unchanged PDFs. Please do not merge to Please also note that a download of the s	nem into a single PDF or alte	er the PDFs in any other w	ay.	·
Signatures (up to 9 files, max. 9 pages i	n total) *:	Datei auswählen Kei	ne ausgewählt	perform upload
We only accept PDF-format (preferable	ndf version 1.4 without any 6	encryptions) for your uploa	nd	

PDF generated automatically with names of core team and host institutions → can be downloaded before proposal is complete



Affirmations

In signing the application form, all persons involved certify that the information provided in the proposal is, to the best of their knowledge, accurate and complete. They confirm the following: - All persons involved will comply with all legal and procedural requirements regarding safety, ethics, data privacy and security, notification requirements, public tender procedures, labour legislations, and any other relevant regulations, -All relevant changes that might impact the project and its conduct will be communicated immediately to WWTF. - All persons agree to utilise intellectual property according to the rules set out by their institutions. All publications should mention WWTF as a funding institution, - The persons involved confirm that they are aware of the overhead regulations of their institution and the resulting distribution of the overhead (maximum 20%) paid by WWTF, - The persons involved confirm that the research project submitted for WWTF funding is currently not subject to other third party funding (such as FWF, EU, FFG, ERC or any other regional, national or international funding). The persons involved will disclose if they intend to apply / have applied for funding for the same work plan at other funding sources. - The persons involved will disclose if they intend to apply / have applied for funding for the same work plan at other funding institutions, - All persons involved have read and agreed to the WWTF data privacy statement, - All persons involved confirm their compliance with the standards of good scientific practice as defined either by the home institutions or the Austrian Agency for Research Integrity. The persons and institutions involved confirm that they will fully cooperate with the Austrian Agency for Research Integrity should any inquiries into project-related scientific misconduct take place, - All persons whose position is funded by WWTF should receive a fair contract with a minimum payment according to the standards of a collective agreement (if applicable; "Kollektivvertrag" of the Austrian universities or the non-university research institutions) or of the Austrian Science Fund (FWF), and a maximum total employment of 100%. - All persons involved confirm their funding eligibility as described in the Call Specifications document, - All persons involved are aware that every Core Team Member (including PI and Co-PI) can only appear on max, two different proposals within this call. - For Joint Projects: The project partners affiliated to a research institution in Lower Austria confirm their compliance with the "NO Kulturförderungsgesetz 1996" and the "Richtlinien für die Förderung nach dem NÖ Kulturförderungsgesetz 1996". For these reasons, documents relevant to the application process will be transferred to the Government of Lower Austria. This only applies to submitted full proposals (see informed consent template for this case)

Institution	Date, signature
1	
1	
	
1	
1	
1	
	Institution

Authorization

In signing the application form, the institution (i.e. an individual authorised and responsible for signing UG §27 projects, if not legally identical with the principal applicant) certifies that the information provided in the application form is, to the best of their knowledge, accurate and complete. It is hereby confirmed that: - The institution agrees to the employment of personnel as well as the provision of space, equipment, consumables and other resources, as stated in the application. - The institution agrees to provide its own contribution (in-kind), as described in the application. - The institution agrees to provide its own contribution (in-kind), as described in the application. - The institution is willing to co-operate with VWTF and its chosen partners regarding the application and protection of intellectual property arising from the project to be funded. - For Joint Projects: The institution in Lower Austria confirms to comply with the _NO Kulturforderungsgesetz 1996. For these reasons, documents relevant to the application process will be transferred to the Government of Lower Austria. This only applies to submitted full proposals (see informed consent template for this case).

Institution	Signing person	Date, stamp, signature

Regular or e-signatures



5. Affirmations and Authorization						
5a. Affirmations						
In signing the application form, all persons involvaccurate and complete. They confirm the followi		ation provided in the pro	posal is, to the best	of their knowledge,		
Name	Institution		Date, signature			
Ms. Grace Liu	WWTF					
5b. Authorization						
In signing the application form, the institution (i. identical with the principal applicant) certifies the accurate and complete. It is hereby confirmed the	at the information provide					
Institution	Signing person		Date, stamp, signa	ature		
WWTF		*				
Signatures						
Please provide PDF files containing the require You can generate the signature sheet at the bo		e team data (PI, etc.) and	d proposal title has b	een provided.		
Please note that the upload procedures for sign unchanged PDFs. Please do not merge them in Please also note that a download of the signate	nto a single PDF or alter	the PDFs in any other wa	ay.			Up to 9 files, max. 9 pages
Signatures (up to 9 files, max. 9 pages in total	ıl) *:	Datei auswählen Keir	ne ausgewählt	perform upload	> <	max. 9 pages
We only accept PDF-format (preferable pdf v	ersion 1.4 without any er	cryptions) for your uploa	d.			_
remaining diskspace for this proposal: 8.00	MB					
Download Part II/5 as PDF document						

Agenda

WWTF

- ► ICT Call 2022
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- Using the online Submisson System
- Q & A

Q & A

W W T F

All documents available at wwtf.at

Contact:

Grace Liu grace.liu@wwtf.at 0699 123 36902

Michael Strassnig <u>michael.strassnig@wwtf.at</u> 0699 123 36905

