

KDT JU CALL 2021

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KDT JU
KEY DIGITAL
TECHNOLOGIES
JOINT UNDERTAKING



A WORD OF CAUTION ON THE FIRST KDT CALL

Check regularly our call website under the KDT website:

www.kdt-ju.europa.eu

Changes in National conditions are to be expected!

Contact email for your questions (please use ONLY this email):

calls@kdt-ju.europa.eu

But for every IT issue contact the IT helpdesk (link in participant portal). We cannot help you on IT issues!

WHAT IS NEW? WHAT IS DIFFERENT?



KDT and ECSEL very similar!

Calls for KDT are very similar to the calls for ECSEL (in particular call 2020)!

But beware there are differences!!!!

HOW TO START? GO TO KDT CALL WEBPAGE!


KDT JU
Key Digital Technologies Joint Undertaking

MEMBERS in  

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Current call

Information about the Calls of 2021 will be available here shortly.



2021

KDT JU Calls 2021

The KDT JU Calls for 2021 are open as of 16 December 2021 with deadline for submissions on 27 April 2022. The KDT JU Programme is open to any organisation that can make a contribution to the RD&I objectives of the programme.

[View details](#)

All information under this button!

STRUCTURE AND TOPICS

KDT JU opens 3 concurrent Calls in 2021

- **HORIZON-KDT-JU-2021-1 IA**

HORIZON-KDT-JU-2021-1-IA

- HORIZON-KDT-JU-2021-1-IA - Focus Topic 1: Development of open-sources RISC-V building blocks

- **HORIZON-KDT-JU-2021-2 RIA**

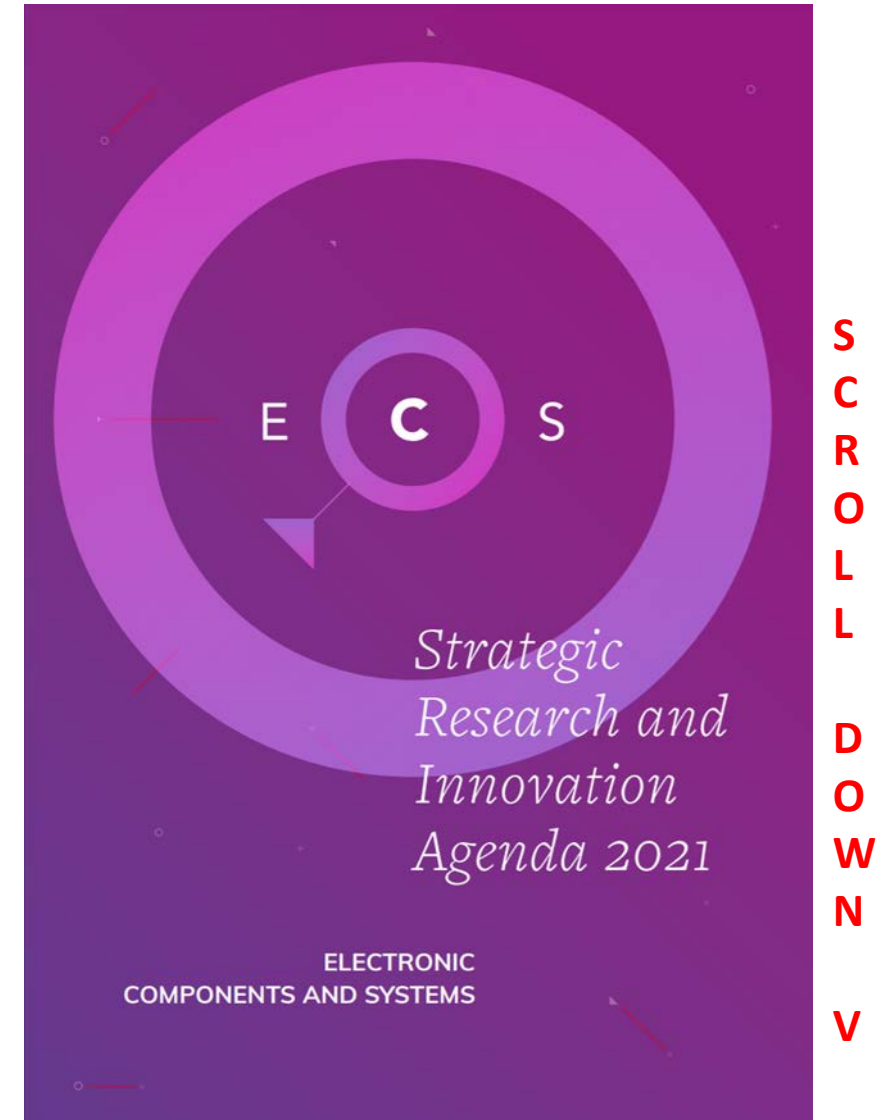
HORIZON-KDT-JU-2021-2-RIA

- HORIZON-KDT-JU-2021-2-RIA - Focus Topic 1: Processing solutions for AI at the edge addressing the design stack and middleware

- **HORIZON-KDT-JU-2021-3-CSA** - A Pan-European chip infrastructure for design innovation

Who can participate?

The KDT JU Programme is open to any organisation that can make a contribution to the RD&I objectives of the programme. However, there are specific eligibility criteria relevant in the each KDT JU Participating State: these are listed in the KDT JU Work Programme 2021 (see below).



CALL DOCUMENTS

Call Documents

Access to the Call Documents via these links (also available through the Funding and Tenders Portal):

1. KDT JU Work Programme 2021
2. ECS-SRIA-2021
3. Guide for Applicants to KDT JU Calls for proposals
4. Proposal Template Model for IA and RIA Actions – KDT JU
5. Proposal Template Model for CSA Actions – KDT JU
6. Essential Information for Clinical Studies (only for proposals including clinical studies)
7. Evaluation Form IA and RIA Actions – KDT JU
8. Evaluation Form CSA Actions – KDT JU
9. KDT PAB Decision on evaluation and selection procedures
10. Model Grant Agreement
11. Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment
12. EU Grants AGA – Annotated Model Grant Agreement

For reference:

- KDT-JU Regulation of Establishment
- KDT PAB Decision on KDT-JU Calls 2021
- HE Programme Guide
- HE Framework Programme and Rules for Participation Regulation 2021/69
- HE Specific Programme Decision 2021/764

Check the HE information on the portal!

- WHO CAN PARTICIPATE?
- CALL DOCUMENTS
- UPDATES
- DEADLINES
- GENERAL CALLS INFORMATION
- BUDGET
- COLLABORATION TOOL
- GUIDELINES / CALLS HELPDESK

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IA FOCUS TOPICS

Development of open-source RISC-V building blocks

Overall strategy: goal to develop RISC-V to become a widespread industry standard alternative to today's proprietary Instruction Set Architectures (ISA). For this, RISC-V needs a **powerful ecosystem** comprising technology, business models and pioneering use-case applications. Consortia should include partners to cover this entire value chain.

Details (some):

- Part of a **series of calls** by KDT but also by other PPPs
- Proposals need to give evidence of **readiness to cooperate with and provide clear inputs** to future RISC-V actions and/or initiatives
- Selected actions will be implemented as '**linked actions**', i.e. they are linked with other actions selected under 'RISC-V' topics in this call and future calls.
- Proposals for this call will develop RISC-V **compliant IP blocks**. Certain IP blocks may be proprietary solutions; however, a large share of developed building blocks provided with a **permissive open-source licence** is preferred. All developed blocks must come with **publicly available documentation, benchmarks, verification suites, and validated reference designs** (including firmware/drivers, if required). One or more **demonstrators** should be built in a close to industrial environment with a number of RISC-V building blocks.
- **etc.**
- **Read the WP2021 section on this topic!**

RIA FOCUS TOPICS

Processing solutions for AI at the edge addressing the design stack and middleware

Overall strategy: need to **reinforce processors and semiconductor technology** for data processing, communication & related data infrastructure as well as **new applications of AI at the edge**.

Details:

- It is foreseen that this topic will remain, in the **next KDT calls**, a focus topic if possible at higher TRL provided sufficient progress has been made
- Development of **European processors/accelerators** for secure embedded intelligence supporting inference and machine learning in autonomous intelligent objects and AIoT (Artificial Intelligence of Things) at the edge.
- Development of **platforms and automated tools for HW/SW co-design** of edge-AI based systems including non traditional computing paradigms (e.g. neuromorphic).
- Development of **AI software algorithms and/or frameworks** and tools for dealing with sparse computing resources for edge-AI based systems.
- **Encouraging SMEs to participate in those developments**, in particular paying attention to the needs of SMEs, involve SMEs in project execution, and develop solutions that can be taken up and/or exploited by SMEs
- **etc.**
- **Read the WP2021 section on this topic!**

UPDATES

Updates

Date	Change
21/01/2022	The KDT JU Work Programme 2021 has been updated with information about the national eligibility rules for IT (MUR) (pages 98-101) and ES (MINAETD, AEI) (pages 125-132); a clerical error copy/paste was corrected in the sections "Artificial Intelligence" and "Connectivity" (pages 18 & 33); the national budgets table has been updated for IT(MUR), EL and SE (page 16)
21/01/2022	<p>The complex funding rates of IA and RIA KDT JU calls 2021 and the limitations of the submission system resulted in the fact that the funding rates of the large enterprises (for profit not SMEs) are not adequately integrated in the JU/EU Budget table in the Part A. Consequently, these organizations need to calculate their JU/EU Funding as instructed in the Guide for Applicants (examples for each Call/topic are presented).</p> <p>Similarly, the National Budgets/Funding Table are not anymore integrated into the Part A (as it was the case in the past for the ECSEL JU) and it needs to be uploaded as a separate xls file in the dedicated place holder in the submission tool. More details/instructions are provided in the Guide for Applicants</p> <p>The Part C are now named National Part in the submission tool to avoid confusion with the Part C (dynamic forms) used by other programmes. More details are provided in the Guide for Applicants</p>
19/01/2022	The " Guide for Applicants to KDT JU Calls for proposals " and the " Template Model National Budgets Table " are now available
18/01/2022	The submission sessions in the Funding and Tenders Portal are now available (submission tools opened) for all KDT JU Calls 2021

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- COLLABORATION TOOL
- GUIDELINES / CALLS HELPDESK

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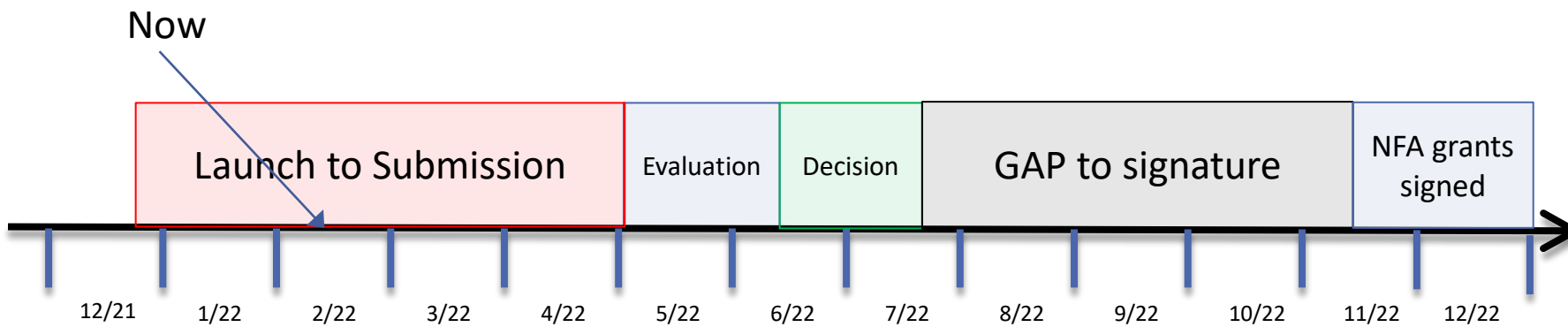
SCHEDULE

Deadlines

All Calls 2021 will be single-stage calls with submission of Full Project Proposal (FPP)

- **Publication date: 16 December 2021**
- **Opening date of the submission tools in the Funding and Tenders portal (estimated): 18 January 2022**
- **Deadline (FPP proposals): at 17:00:00 Brussels time on 27 April 2022**
- Evaluation mid June
- Selection mid July then GAP
- Signature of grant agreement before end of year!

ONE PHASE!!



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READY? Go!

General Calls Information

To submit a project proposal, applicants must use the on-line tools provided for this purpose Commission through its “Funding and Tenders Portal”, which can be accessed through the Call available on the day the Calls are opened):

- **HORIZON-KDT-JU-2021-1 IA**
 - **HORIZON-KDT-JU-2021-1-IA**
 - HORIZON-KDT-JU-2021-1-IA - Focus Topic 1: Development of open-sources RISC-V build
- **HORIZON-KDT-JU-2021-2 RIA**
 - HORIZON-KDT-JU-2021-2-RIA
 - HORIZON-KDT-JU2021-2-RIA - FocusTopic 1: Processing solutions for AI at the edge and stack and middleware
- **HORIZON-KDT-JU-2021-3-CSA - A Pan-European chip infrastructure for design innovation**

All the documents related to the KDT JU Calls for Proposals 2021 are provided for the applicant in the Calls 2021 Documents section on this web page as well as in the Calls Pages in the Funding and Tenders Portal. However, the templates (editable documents) for the proposal submission can only be downloaded from the Calls Pages in the Funding and Tenders Portal when a draft proposal is created – models (pdf files) are provided just for the applicants' information. Applicants are advised to check the Guide for Applicants to KDT JU Calls for Proposals before preparing and submitting their proposal (the Guide will become available on the calls opening date).

The screenshot shows the European Commission's "Funding & tender opportunities" portal. At the top, there's a navigation bar with links like "SEARCH FUNDING & TENDERS", "HOW TO PARTICIPATE", "PROJECTS & RESULTS", "WORK AS AN EXPERT", and "SUPPORT". A language selector is set to "English EN". A "Register" button and a "Login" button are also present. Below the navigation bar, a warning message states: "Monday 17 January 2022 between 20:00 and 21:30 CET: Legal Entity and Bank Account validations tasks will experience issues in the Grant Management Services. The Identity, Bank Account, Contracts and Payments functionalities in the Experts Area of the F&T Portal will be unavailable". The main content area displays the details for "HORIZON-KDT-JU-2021-1-IA". The "TOPIC ID: HORIZON-KDT-JU-2021-1-IA" is shown. A "Grant" button is visible. On the left, a sidebar menu lists various options: "General information", "Topic updates", "Conditions and documents", "Partner search", "Submission service", "Topic related FAQ", "Get support", "Call information", and "Call updates". The "General information" section is expanded, showing details such as "Programme: Horizon Europe Framework Programme (HORIZON)", "Work programme part: HORIZON-JTI-KDT-2021", "Call: HORIZON-KDT-JU-2021-1-IA (HORIZON-KDT-JU-2021-1-IA)", "Work programme year: HORIZON-JTI-KDT-2021", "Type of action: HORIZON-JU-IA HORIZON JU Innovation Actions", "Type of MGA: HORIZON Action Grant Budget-Based [HORIZON-AG]", "Deadline model: single-stage", "Planned opening date: 18 January 2022", and "Deadline date: 27 April 2022 17:00:00 Brussels time". A "See budget overview" button is also present.

SCROLL DOWN

HOW TO PARTICIPATE?



ECS Collaboration Tool

A networking tool for project ideas and potential partners.

Inside and AENEAS have now merged their collaboration support tools into a single co-managed service: the ECS Collaboration Tool. AENEAS and Inside Industry Association wanted to create one tool to facilitate easy information exchange within the ECS community and allow the collection and management of all relevant data, ideas and project proposals in one place.

Three industry organisations:
AENEAS
INSIDE Industry Association
EpoSS

<https://aeneas-office.org/collaboration/ecs-tool/>
<https://www.inside-association.eu/>
<https://www.smart-systems-integration.org/>



Create a project idea

Initiate a project idea in the ECS Collaboration Tool, invite partners and browse other project ideas.



Look for a partner

Use the partner search on ECS Collaboration Tool to look for possible partners based on their expertise and invite them to join your project idea.

KDT CALL 2021: OTHER CHARACTERISTICS

- Major challenges according to ECS SRIA 2021
- Conditions are very similar to the ECSEL calls 2020 (page limits, sizes, etc.)
- EU funding rates very similar to ECSEL except for SMEs (see next)
- National funding shall be commensurate to the EU funding rates
- EU budget maximum 208 million Euro
- Total national budget 161 million Euro
- KDT encourages projects of all sizes! Small projects are certainly welcome.

EU FUNDING RATES

Type of beneficiary	IA	IA Focus Topic	RIA	RIA Focus Topic	CSA
Large Enterprise	20 %	25 %	25 %	25 %	100 %
SME	30 %	35 %	35 %	35 %	100 %
University/Other (not for profit)	35 %	35 %	35 %	35 %	100 %

EU ESTIMATED EXPENDITURE FOR THE CALLS 2021-1 TO 2021-3

Action		Estimated EU Expenditure (M€)
Call 2021-1 IA	General according to SRIA 2021	108.0 M€
Call 2021-1-IA-Focus Topic	Development of open-source RISC-V building blocks	20.0 M€
Call 2021-2 RIA	General according to SRIA 2021	50.0 M€
Call 2021-2-RIA-Focus Topic 1	Processing solutions for AI at the edge addressing the design stack and middleware	20.0 M€
Call 2021-3-CSA	A Pan-European chip infrastructure for design innovation	10.0 M€
	Total	208.0 M€

NATIONAL BUDGETS

National Budgets and the EU estimated expenditure for the Calls 2021-1, 2021-2 and 2021-3.

EPS	Call 2021-1 IA	Call 2021-2 RIA General	Call 2021-2 RIA Focus Topic 1	Call 2021-1 IA Focus Topic 1	Total (M€)
AT					6.0
BE					14.0
BE-WL					0.4
BG					
CY					
CZ	1.25	1.25	0.25	0.25	3.0
DE					20.0
DE Thuringia					1.2
DK					2.0
EE					0.0
EL					2.0
ES AEI					3.0
ES MAETD					9.0

FI					7.0
FR					30.0
HR					
HU					2.0
IE					2.0
IL					3.5
IS					
IT MISE					10.0
IT MUR					3.4
LT					
LV					0.6
LU					3.0
MT					
NL (1)					25.0
NO					2.0
PL					1.5
PT					2.0
RO					
SE					3.0
SK					0.8
SL					
TR					6.0
Total					162.4

IMPORTANT DIFFERENCES WITH ECSEL CALLS

- EU Funding Rates in the Budget table (EU Budget/EU Funding) in the Part A
- National Budgets Table
- National Part (previous Part C)

(Look for detailed instructions in the Guide for Applicants)

FUNDING RATES IN THE BUDGET TABLE IN PART AB

Due to limitations of the submission tool the funding rate of the large enterprises is not taken into account in the budget table of the Part A. Therefore, the large enterprises need to check the funding rates they are entitled to in the Work Programme, calculate the EU Funding/contribution outside the portal and fill in the calculated amount in the budget table in the column named “**Requested EU contribution to eligible costs**”

An example provided below for a large enterprise (LE) participating to the IA call – funding rate 20%; portal indicates 30% (which is for SMEs only). Large enterprise calculates 20% of the total eligible costs and introduces manually the amount in the “Requested EU contribution to eligible costs”

FUNDING RATES IN THE BUDGET TABLE IN PART AB

3 - Budget

?

No.	Name of beneficiary	Country	Role	Personnel costs/€	Subcontracting costs/€	Purchase costs - Travel and subsistence/€	Purchase costs - Equipment/€	Purchase costs - Other goods, works and services/€	Internally invoiced goods and services/€ (Unit costs-usual accounting practices)	Indirect costs/€	Total eligible costs	Funding rate	Maximum EU contribution to eligible costs	Requested EU contribution to eligible costs/€	Max grant amount	Income generated by the action	Financial contributions	Own resources	Total estimated income
1	Test Camelia-valeria	BE	Coordinator	45,000,000	400,000	30,000		230,000	7,000,000	11315000.00	63975000.00	35	22391250.00	22,391,250	22391250.00				22391250.00
2	Large enterprise	BE	Partner	2,000,000	450,000		500,000		70,000	625000.00	3645000.00	30	1093500.00	729,000	729000.00				729000.00
3	Sme Test	BE	Affiliated	600,000		50,000		5,000,000	39,999	1412500.00	7102499.00	30	2130750.00	2,130,750	2130750.00				2130750.00
4	Baird Consulting Scs	BE	Associated							0.00	0.00	30	0.00	0	0.00				0.00
5	Tokio	JP	Partner	5,000,000	10,000	2,000,000	500,000	700,000	800,000	2050000.00	11060000.00	35	3871000.00	3,871,000	3871000.00				3871000.00
	TOTAL			52,600,000	860,000	2,080,000	1,000,000	5,930,000	7,909,999	15402500.00	85782499.00		29486500.00	29,122,000	29122000.00	0	0	0	29122000.00

0.2
*3,645,000.00
20% funding rate
for LE

NATIONAL PART (KNOWN ALSO AS PART C)

The previous Part C are now named **National Part** and have a dedicated **Place Holder** for each of the KDT JU Participating State that request such an annex.

Instructions about these annexes are provided in the Annex 3 of the Work Programme of the respective Participating States.

(The name changed in order to avoid the system blockages due to confusion with the Part C which is now dedicated nomenclature in some Horizon Europe programme (dynamic forms which are automatically checked by the system every time a “Part C” name appears.))

Proposal forms

TEST MODE

Deadline
27 April 2022 17:00:00 Brussels Local Time

Call data:
Call: HORIZON-KDT-JU-2021-2-RIA
Topic: HORIZON-KDT-JU-2021-2-RIA-Focus-Topic-1
Type of action: HORIZON-JU-RIA
Type of MGA: HORIZON-AG

Proposal data: Rectangular Ship
Acronym: TEST RIA Call
Draft ID: SEP-210826456

Download Part B templates
Download part B templates

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IT Helpdesk FAQ
Service Desk:
EC-FUNDING-TENDER-SERVICE-DESK@ec.europa.eu
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Administrative forms (Part A)
Edit forms View history Print preview

Part B and Annexes
In this section you may upload the technical annex of the proposal (in PDF format only) and any other requested attachments.

Part B	Upload
National Budgets Table	Upload
National Part (BE-VAIO)	Upload
National Part (BE-BXL)	Upload
National Part (BE-WA)	Upload
National Part (DE)	Upload
National Part (DK)	Upload
National Part (ES)	Upload
National Part (FR)	Upload
National Part (IE)	Upload
National Part (IT)	Upload
National Part (LV)	Upload
National Part (NL)	Upload
National Part (NO)	Upload
National Part (PL)	Upload
National Part (SE)	Upload
National Part	Upload

[BACK TO PARTICIPANTS LIST](#) **VALIDATE** **SUBMIT**

NATIONAL BUDGETS TABLE

(Due to limitations of the submission tool the table for the national funding (eligible costs according to the national rules and national contributions requested) is not anymore integrated in the Part A (Administrative Forms) but has to be submitted separately as an xls file which must be uploaded to the dedicated placeholder named “National Budgets Table”)

The template is provided in the “**Download Part B template**” tab together with the Part B template (as a zip file which includes the xls template for the National Budgets Table and the rft template for the Part B)

Proposal forms

TEST MODE

Deadline
27 April 2022 17:00:00 Brussels Local Time

Call data:
Call: HORIZON-KDT-JU-2021-2-RIA
Topic: HORIZON-KDT-JU-2021-2-RIA-Focus-Topic-1
Type of action: HORIZON-JU-RIA
Type of MGA: HORIZON-AG

Proposal data: Rectangular Snip
Acronym: TEST RIA Call
Draft ID: SEP-210826456

Download Part B templates
Download part B templates

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Administrative forms (Part A)
Edit forms View history Print preview

Part B and Annexes
In this section you may upload the technical annex of the proposal (in PDF format only) and any other requested attachments.

Part B	Upload
National Budgets Table	Upload
National Part (BE-VLAIO)	Upload
National Part (BE-BXL)	Upload
National Part (BE-WA)	Upload
National Part (DE)	Upload
National Part (DK)	Upload
National Part (ES)	Upload
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National Part (NL)	Upload
National Part (NO)	Upload
National Part (PL)	Upload
National Part (SE)	Upload
National Part	Upload

[BACK TO PARTICIPANTS LIST](#) [VALIDATE](#) [SUBMIT](#)

Q&A

- Good Luck with your application!
- Don't hesitate to contact us
- Please read the documents!