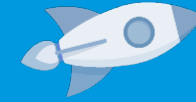




ASHBi



RESEARCH ACCELERATION PROGRAM

“Knowing” Your Evaluation System and
“Telling” Your Research Story Effectively

Makoto Shida, URA

Research Acceleration Unit, WPI-ASHBi, Kyoto University

Self Introduction



Makoto Shida

URA

Research Acceleration Unit
WPI-ASHBi, Kyoto University

ASHBi

RESEARCH ACCELERATION PROGRAM

Support for early-career researchers

- **Grant writing** (*KAKENHI, JST, AMED etc*)
- **KAKENHI seminars**

ASHBi
RESEARCH ACCELERATION PROGRAM

KAKENHI Writing Seminar

Telling your research story effectively

KAKENHI overview and evaluation system | Writing tips for early-stage researchers

Makoto Shida
University Research Administrator
WPI-ASHBi

Daniel Packwood
PU Junior Associate Professor
WPI-CAMF

What makes an effective grant proposal?
This 1-hour seminar will walk you through the KAKENHI and its evaluation system followed by practical writing tips from a former of multiple KAKENHI applications. Join us to find out about the importance of story telling in preparing an effective proposal for this fall's KAKENHI season!
(Seminar provided in English)

Zoom Online (Registration Required)
16:00-17:00 Friday, 30 July 2021

Registration URL: <https://forms.gle/1vz3z3wK9GAM> (closes 27 July)
Zoom URL will be sent to registered participants.
For more information, contact: ashbi-acceleration@msk12.adm.kyoto-u.ac.jp

Institute for the Advanced Study of Human Biology (WPI-ASHBi),
AUAU, Kyoto University
Organized by
Institute for Integrated Cell-Material Sciences (WPI-CAMF),
AUAU, Kyoto University

ASHBi | ICMS | WPI

科研究費申請支援セミナー
研究を正しく伝える調書作り
— 理解しやすい文章と図で作る —

文章 × 図

理解しやすい文章と図で作る

文章
字術研究支援室 URA
太田 一陽

図
字術研究支援室 シニア URA
西澤 雅子

ナビゲーター
ヒト生物学高等研究拠点
URA 信田 誠

2020年
9月18日 金
16:00 ~ 17:30
開催方法: Zoom (学内限定)

主催 | 字術研究支援室 太田 一陽
京都大学理学部高等研究拠点 (WPI-ASHBi)
ヒト生物学高等研究拠点 (WPI-CAMF)

お問合せ |
KURA 古田南地区担当 西澤・太田
内線 16-5734/5759
E-mail mitsumi@kura.kyoto-u.ac.jp

素晴らしい研究も、審査員に「伝わる」
調書でなければ採択されません。
「調書へ向けることになったけれど、どうやって調書を作成すればよいだろう?」そんな悩みはあきらめず必ず
本セミナーでは、調書を作成する【文章】と【図】に焦点を当て、
審査員の目線ポイントを確認しながら、研究を「正しく伝える」
ための工夫をご紹介します。
特に、科研究費の若手研究や基礎研究 C へ新たに応募される方
必見の内容です。

プログラム
1. 【導入】
2. 【文章】 科研究費申請調書の書き方のポイント
3. 【図】 研究調書のグラフィックデザイン

事前申込制
以下のURL・QRコードからお申し込みください。

KURA | ASHBi
<https://forms.gle/j35AW/DTP/jwrjz7>

Provide a guide for
foreign students and early-stage researchers

- **Applicable research funding**
KAKENHI, JSPS Fellowships
- **Their evaluation system**
- **Effective grant writing strategy**

Aim #2: Filling the info gap between Japanese and English

Many essential information are only in Japanese

I. 特別研究員 – DC、特別研究員 – PDの選考方法

※令和5年度（2023年度）採用分募集要項公表時の内容です。

1. 審査方針

- (1) 自身の研究課題設定に至る背景が示されており、かつその着想が優れていること。また、研究の方法にオリジナリティがあり、自身の研究課題の今後の展望が示されていること。
- (2) 学術の将来を担う優れた研究者となることが十分期待できること。
- (3) 特別研究員 – PDについては、博士課程での研究の単なる継続ではなく、新たな研究環境に身を置いて、自らの研究者としての能力を一層伸ばす意欲が見られること。
- (4) 特別研究員 – PDについては、やむを得ない事由がある場合を除き、大学院博士課程在学当時（修士課程として取り扱われる大学院博士課程前期は含まない）の所属研究機関（出身研究機関）を受入研究機関に選定する者、及び大学院博士課程在学当時の学籍上の研究指導者を受入研究者に選定する者は採用しない。

※研究機関移動の要件について、研究機関移動と認められるか否かは採否の重要な判断基準となります。詳細は「募集要項」及び後述「Ⅲ 特別研究員 – PDの受入研究機関等の選定について」をご覧ください。

https://www.jsps.go.jp/j-pd/pd_houhou.html

Evaluation Policy

Rough translation

- (1) The applicant's research proposal should show the **background that led to the formulation of his/her research topic**, and the **idea behind it** should be excellent. In addition, the **originality** of the applicant's research method, and the **future prospects** of his/her research topic should be indicated.
- (2) The applicant should be expected to **become an outstanding researcher** who will play a **leading role in the future of academia**.

Today's Agenda

- 1. JSPS research funding for foreigners**
(JSPS Fellowships and KAKENHI)
- 2. Evaluation System of KAKENHI**
(and DC1/DC2 Fellowships)
- 3. Preparing an Effective Proposal**
(using KAKENHI as an example)

Today's Agenda

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JSPS funding programs applicable to foreigners

Fellowships	PhD Students	DC1 <i>for prospective PhD students</i>
		DC2 <i>for enrolled PhD students</i>
	Postdocs	PD <i>for “permanent resident holders” and Japanese postdoc</i>
Grant	Postdocs & Faculty Members	Postdoctoral Fellowships for Research in Japan (Standard) <i>for foreign postdocs intending to start research in Japan</i>
		KAKENHI <i>(Kiban C, WAKATE, Research Activity Start-up)</i>

JSPS student fellowships*

Category	Eligibility	Funding Amount	
		Stipend	Research
DC1	M2 or equivalent*	D1-D3 (3 years) 200K JPY/month	~1.5M JPY/year
DC2	D1, D2 or equivalent	D2-D3 (2 years) D3 (1 year)	

* First year students of 4 year PhD courses can apply for DC1

Application Deadline early-Jun

Start Preparing!

*Government scholarship recipients (MEXT etc.) must forfeit their scholarship when selected.
Some universities provide tuition exemptions for DC1/DC2 fellowship recipients.

JSPS Postdoctoral fellowships

Category	Eligibility	Funding Amount	
		Allowance	Research
Postdoctoral Fellowships for Research in Japan (Standard)	Foreigners within 6 years from PhD	362K JPY/month	~1.5M JPY/year
		12-24 months	

Application via your “host lab boss*”

**Program is originally designed for Japanese labs to invite foreign postdocs from overseas*

Application Deadline

early-May

early-Sep

Start Preparing!

(2 chances)

KAKENHI, the largest funding program in Japan

Many categories are available

Category	Period	Grant Size (<i>Total JPY</i>)
Kiban S	5 years	50~200M
Kiban A	3-5 years	20~50M
Kiban B		5~20M
Kiban C	3-5 years	~5M
WAKATE (Early Career)	2-5 years	
Research Activity Start-up	1-2 years	~3M

+ other special categories

KAKENHI web: <https://www.jsps.go.jp/english/e-grants/grants01.html>

KAKENHI: Kiban C, WAKATE and Research Activity Start-up

Category	Eligibility	Total Funding
Kiban C	<i>All researchers</i>	~ 5M JPY
WAKATE	within 8 years from PhD	
Research Activity Start-up	Newcomers unable to apply in fall 2021	~3M JPY (~1.5M JPY/year)

Application Deadline **early-Oct** (WAKATE/Kiban C)
early-May (Research Activity Start-up)

Start Preparing!

Success Rates: JSPS Fellowships are highly competitive

To succeed, you need to prepare effective proposals!

Fellowships	PhD Students	DC1	<i>Approx.</i> 20%
		DC2	<i>Approx.</i> 20%
	Postdocs	Postdoctoral Fellowships for Research in Japan	<i>Approx.</i> 10%
Grant	Postdocs & Faculty Members	Kiban C	<i>Approx.</i> 30%
		WAKATE	<i>Approx.</i> 40%
		Research Activity Start-up	<i>Approx.</i> 40%

**Each University has “Internal Deadline”
before the JSPS Deadline**

Contact your university's admin or URA office for details



**Admin
Office**



Application System: E-Application (ID required)

DC1/DC2 Fellowships “電子申請system”

KAKENHI “E-rad system”

The screenshot shows the homepage of the electronic application system for DC1/DC2 Fellowships. The page is in Japanese and features a navigation menu at the top with options like 'Home', 'Researcher Registration', and 'Application Status'. A sidebar on the left contains various utility links such as 'Login', 'Forgot Password', and 'Help'. The main content area is titled '研究者養成事業の電子申請について' (About the Electronic Application for Researcher Training Programs). It includes a section for '電子申請とは' (What is Electronic Application?) and a table listing different user roles and their corresponding application procedures.

種別	事業名 (申請資格)	申請フローイメージ
1	特別研究員PD	[Icon]
2	特別研究員DC1 特別研究員DC2 若手研究者海外振興	[Icon]
3	特別研究員RPD	[Icon]
4	海外特別研究員 海外特別研究員RRA (科学研究費補助金取扱規程 (文部省告示) 第2条に規定されている研究機関 (※) に所属している場合)	[Icon]
5	海外特別研究員 海外特別研究員RRA (個人で申請する場合)	[Icon]

Login ID

The screenshot shows the homepage of the JSPS Electronic Application System for KAKENHI. The page is in English and features a navigation menu at the top with options like 'English' and 'Japanese'. The main content area is titled 'Accessing the Electronic Application System' and includes a 'Researchers login' button. Below this, there is a 'Maintenance information' section and a large 'E-rad number' section. The 'E-rad number' section includes a 'Download docu' link and a note to users regarding application deadlines and system restarts.

Accessing the Electronic Application System

When using the Kakenhi electronic application system (application system / grant application system), please click the banner below to log-in with your e-Rad ID and password.

If you have changed your log-in ID and password on e-Rad, a period between 30 minutes to 1 hour shall be required before the updated log-in ID and password become effective for the Kakenhi electronic application system.

After you change your log-in ID and password on e-Rad, please allow some time before trying the Kakenhi electronic application system log-in.

Please note that the update could take longer depending on the system status.

[Researchers login](#)

Maintenance information

E-rad number

[Download docu](#)

[Kakenhi \(Grants-in-Aid for Scientific Research\) Electronic Application System Operation Manual for Researchers Version 2.5 \(5.86MB\) \(updated: January 2022\)](#)

Note to users: When the JSPS application deadline of each project approaches, please check the request status or application status to ensure the application has been submitted to JSPS.

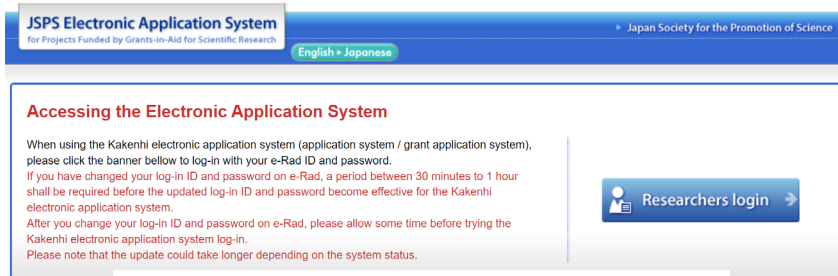
The system restarts on 5:00 every day. Any information edited over the period cannot be saved. When using the system over the period, please perform Temporary Save before 5:00 and access again once the system is restarted.

Contact your university's admin to obtain your ID

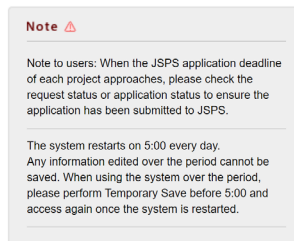
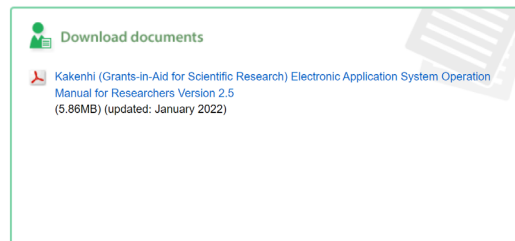
E-rad number is your researcher ID* in Japan

*** Students cannot obtain a E-rad number**

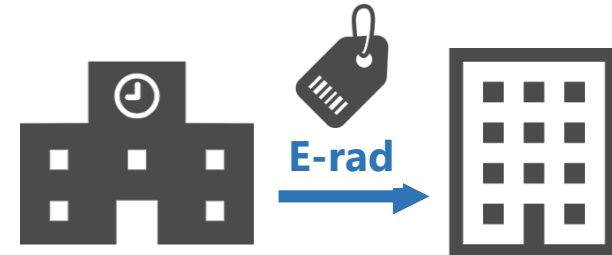
E-application to funds
Govt. funds use E-rad system



KAKENHI, JST, etc



Same ID anywhere
Carry same number upon transfer



How to get
Register via Univ. admin




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“Similar” evaluation system



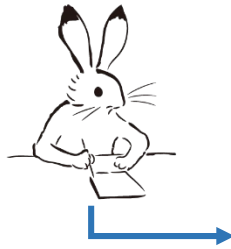
KAKENHI



**DC1/DC2
Fellowships**

WAKATE/Kiban C are evaluated by 4 reviewers in 2 stages

Applicant



Evaluation Process

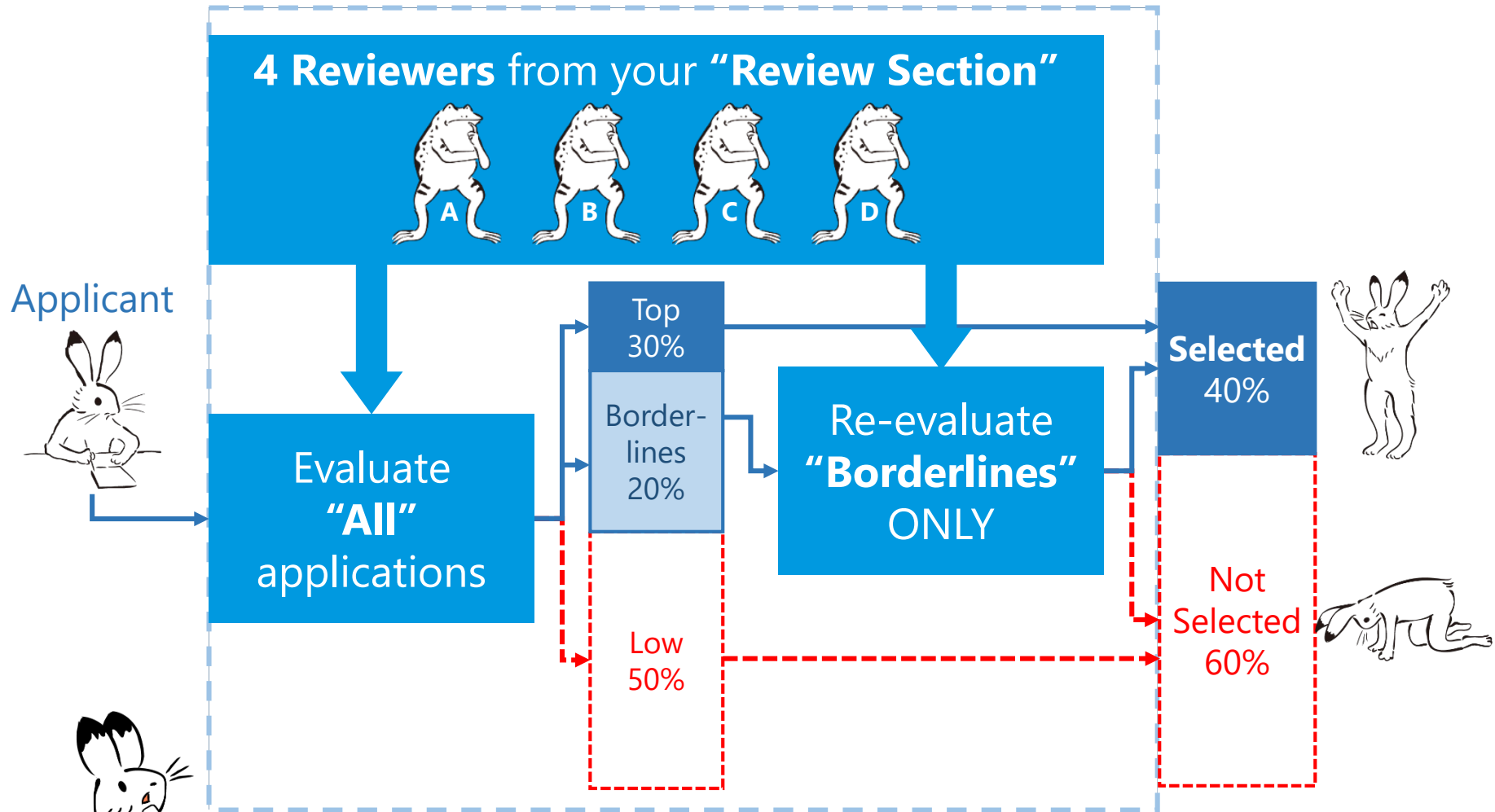
Selected
40%



Not
Selected
60%



WAKATE/Kiban C are evaluated by 4 reviewers in 2 stages

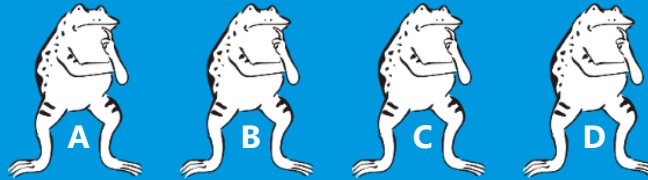


Selection percentage for the case of WAKATE

Rabbit & Frog Icons: <https://chojugiga.com/>

Reviewers are selected from the "Review Section"

4 Reviewers from your "Review Section"



Applicant



Selected
40%



Not
Selected
60%



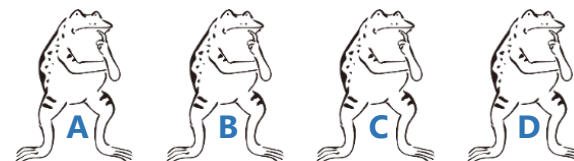
“Review Section” consists of 306 Basic Sections*

*For WAKATE, Kiban B & C

Experts of “nearby” field are selected
They may not precisely be of your field

Broad Section D	
Medium-sized Section 26: Materials engineering and related fields	
Basic Section	
26010	Metallic material properties-related
26020	Inorganic materials and properties-related
26030	Composite materials and interfaces-related
26040	Structural materials and functional materials-related
26050	Material processing and microstructure control-related
26060	Metals production and resources production-related
Medium-sized Section 27: Chemical engineering and related fields	
Basic Section	
27010	Transport phenomena and unit operations-related
27020	Chemical reaction and process system engineering-related
27030	Catalyst and resource chemical process-related
27040	Biofunction and bioprocess engineering-related
Medium-sized Section 28: Nano/micro science and related fields	
Basic Section	
28010	Nanometer-scale chemistry-related
28020	Nanostructural physics-related
28030	Nanomaterials-related
28040	Nanobioscience-related
28050	Nano/micro-systems-related
Medium-sized Section 29: Applied condensed matter physics and related fields	

26010	Metallic material properties-related
26020	Inorganic materials and properties-related
26030	Composite materials and interfaces-related
26040	Structural materials and functional materials-related
26050	Material processing and microstructure control-related
26060	Metals production and resources production-related



Choosing the most suitable "Review Section" is critical

Ask your colleague to help check* your "Basic section"

***Past reviewer information is provided ONLY in Japanese**

https://www.jsps.go.jp/j-grantsinaid/14_kouho/meibo.html

Broad Section D	
Medium-sized Section 26: Materials engineering and related fields	
Basic Section	
26010	Metallic material properties-related
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科学研究費助成事業
Grants-in-Aid for Scientific Research
(学術研究助成基金助成金/科学研究費補助金)

科研費
KAKENHI

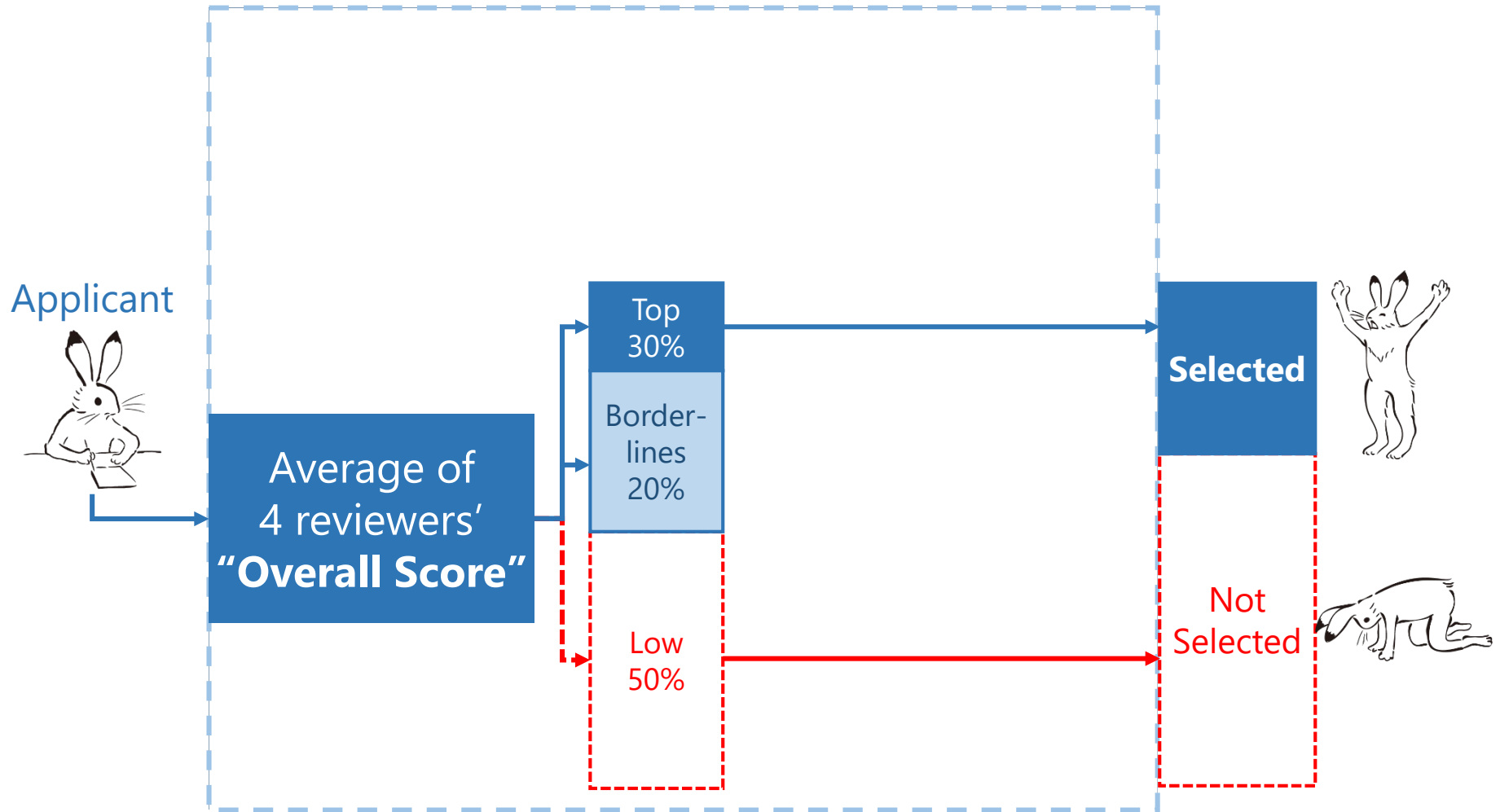
審査委員名簿

科学研究費助成事業の審査を行った、審査委員の名簿です。
なお、各審査委員の所属・職については審査を行った時点のものです。

年度	科学研究費委員会委員	審査委員	審査区分表		
R2					
年度	科学研究費委員会委員	審査委員	審査区分表		
H31		H31(2019)年度科学研究費助成事業 審査委員名簿			
年度	科学研究費委員会委員	審査委員	審査区分表		
H30		H30(2018)年度科学研究費助成事業 審査委員名簿			
年度	科学研究費委員会委員	審査委員	審査区分表		
H29		H29(2017)年度挑戦的研究(開拓・萌芽)名簿			
年度	科学研究費委員会委員	第1段審査委員※1	第2段審査委員※2	分科・細目表	
				系・分野・分科	時限付き
H29		H29年度第1段名簿	H29年度第2段名簿		

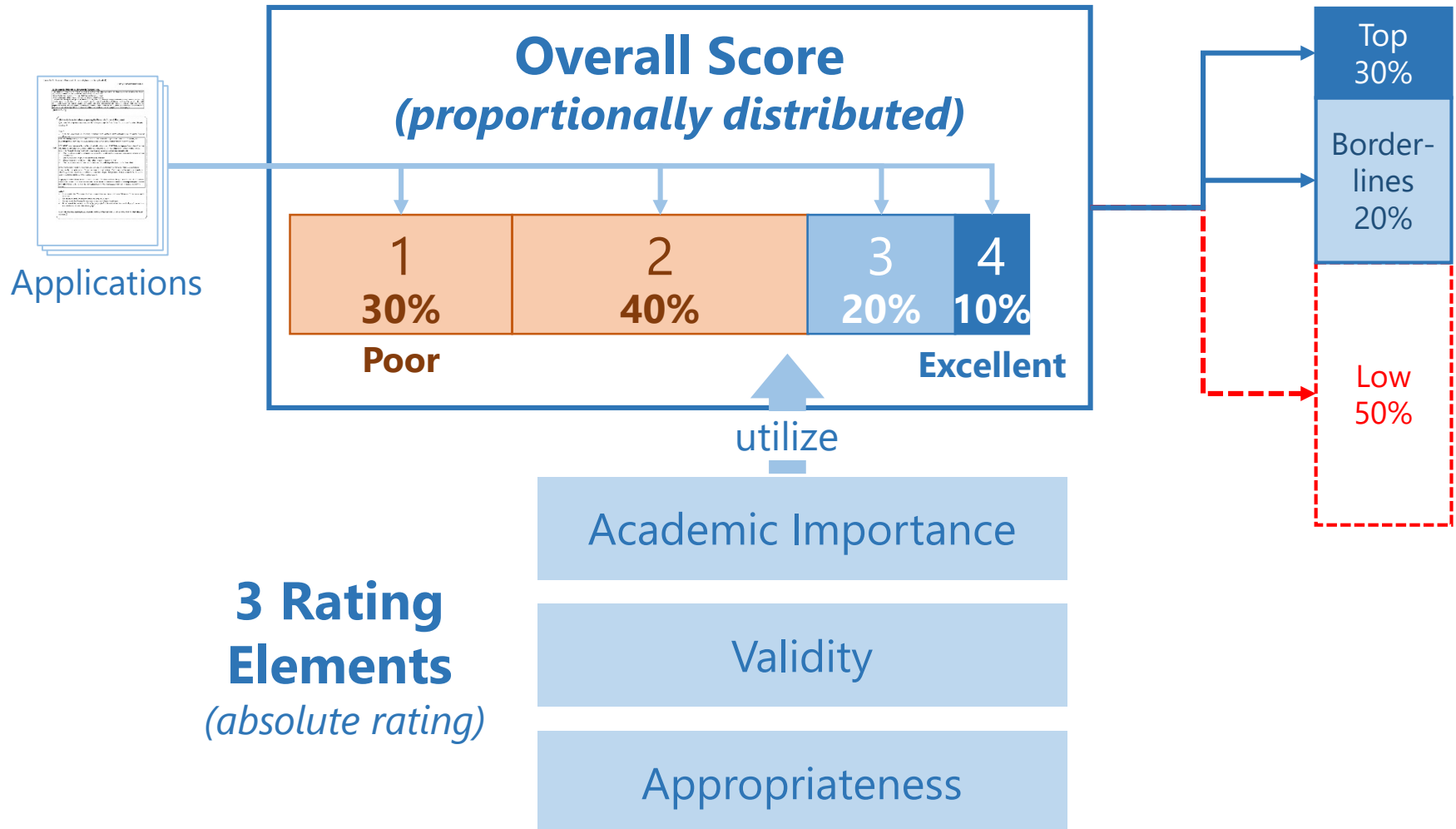
In 1st Stage, all applications are sorted by “Overall Score”

Applications except for the “**Border-lines**” are decided

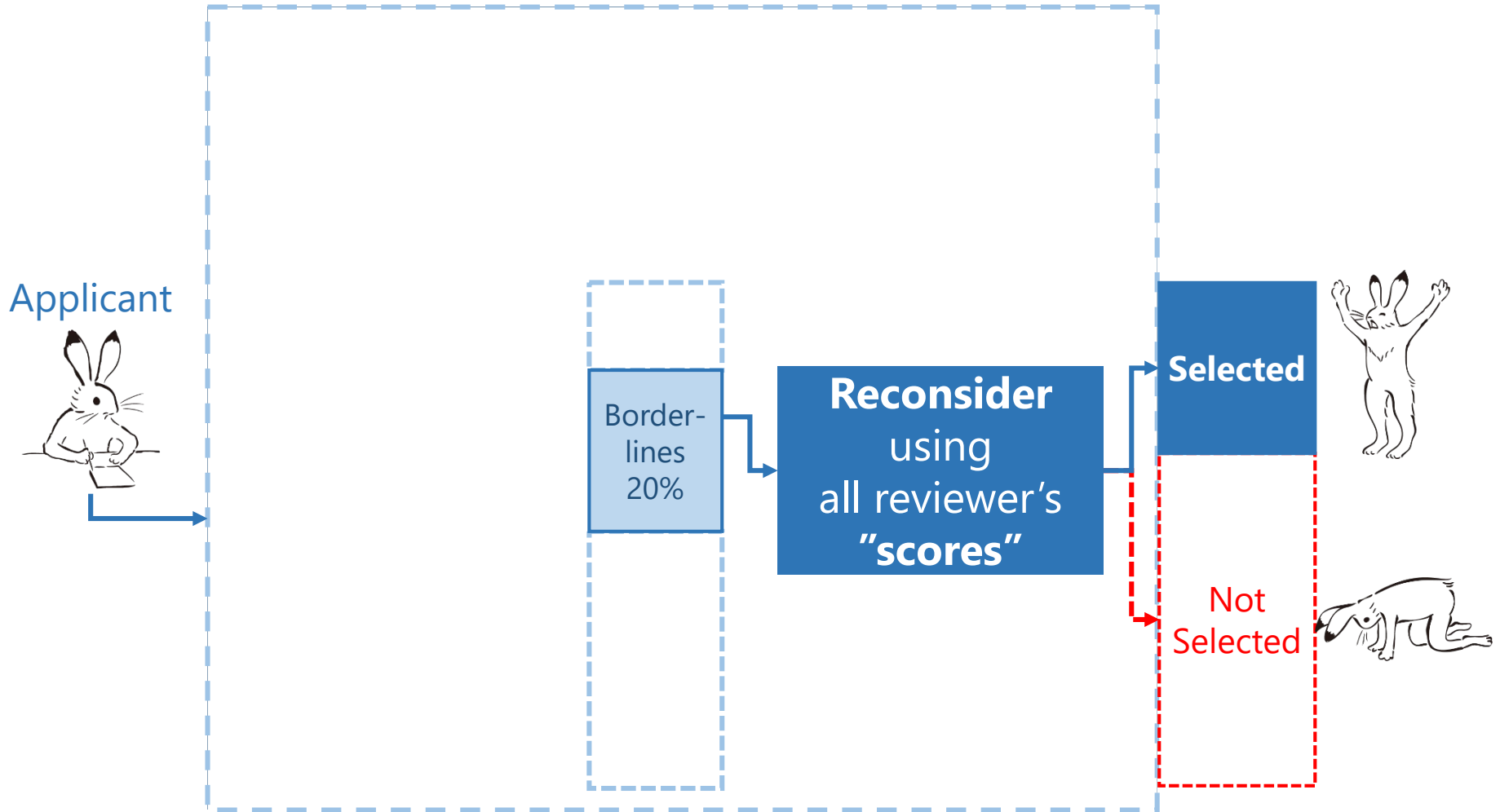


Each reviewer provides **Overall Score & 3 Rating Elements**

Average of 4 Reviewers' "**Overall Score**" is used for selection



In 2nd Stage, “Border-lines” are re-evaluated



Summary of evaluation systems

KAKENHI WAKATE/Kiban C

Fellowship DC1/DC2

Application
Format

- 3 parts**
- Research Proposal
 - Feasibility
 - Compliance

- 4 parts**
- Research Plan
 - Compliance
 - Self Evaluation
 - Career Vision

Reviewers

4 Reviewers
306 Review Sections

6 Reviewers
56 Selection Sets

Evaluation

- 2 stage evaluation
- Overall Score +
3 Rating Elements**
- Academic Importance
 - Validity
 - Appropriateness

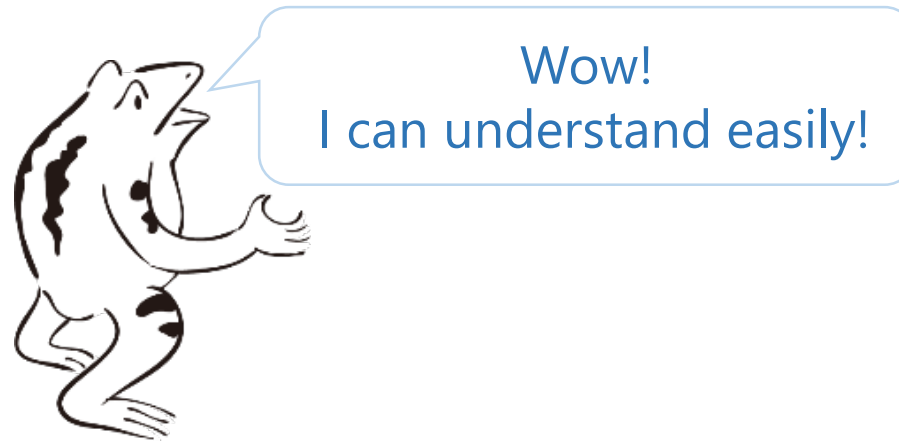
- 2 stage evaluation
- Overall Score +
2 Rating Elements**
- Idea & Originality of Plan
 - Potential as a researcher

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(using KAKENHI as an example)

Effective Storytelling

helps reviewer to resonate with your story



Develop your storyline before writing!

Storytelling: What must be fulfilled in a proposal?



Applicant

Your point of view

Specific Problem

that you want to tackle



Your Solution

(Unique & solid)

**You need a
reviewer's point
of view!**

Rabbit Icons: <https://chojugiga.com/>

Storytelling: What must be fulfilled in a proposal?



Applicant



Reviewer

Your point of view

Specific Problem

that you want to tackle



Your Solution

(Unique & solid)

Reviewer's point of view

**Academic
Importance**

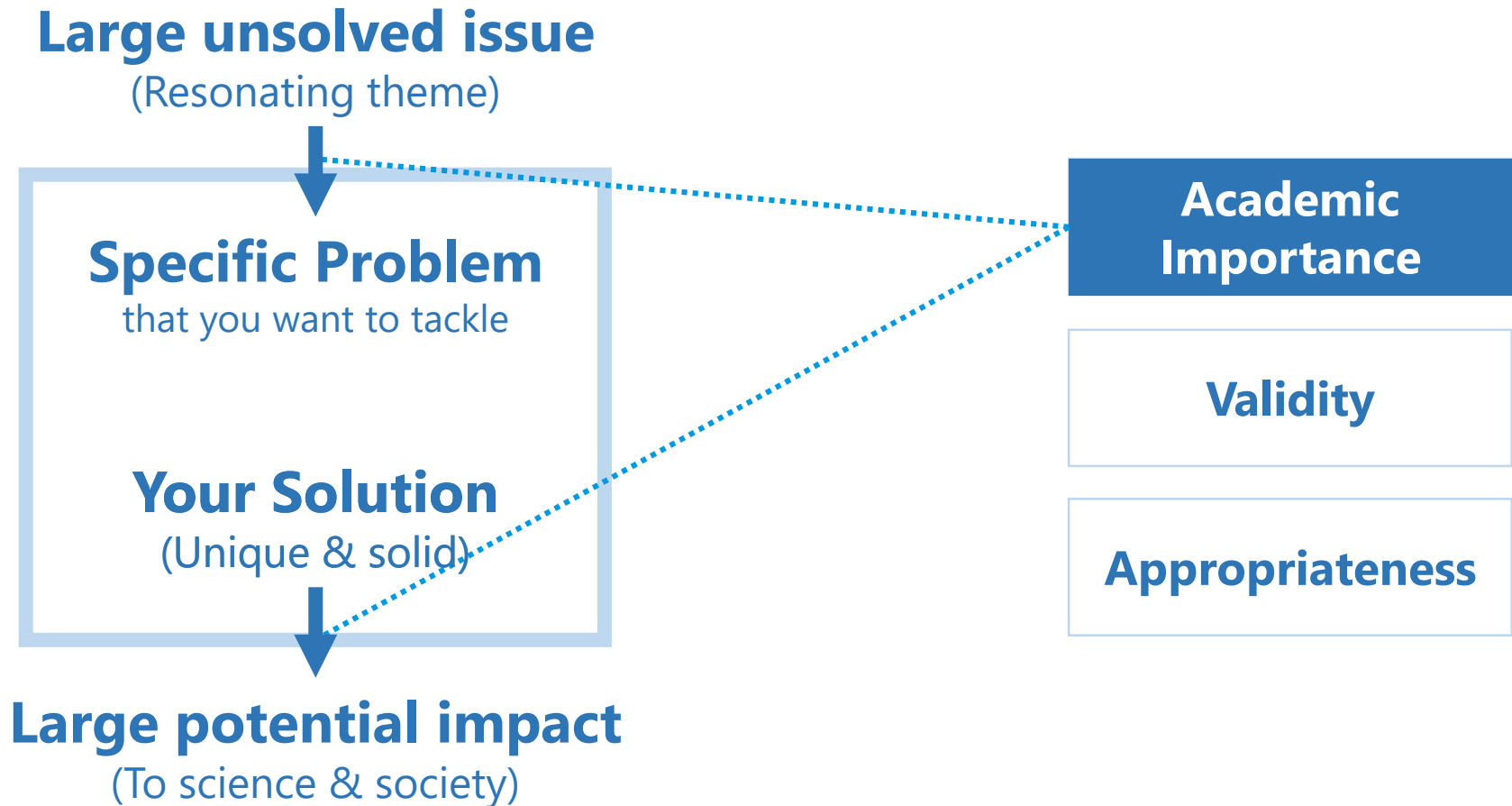
Validity

Appropriateness

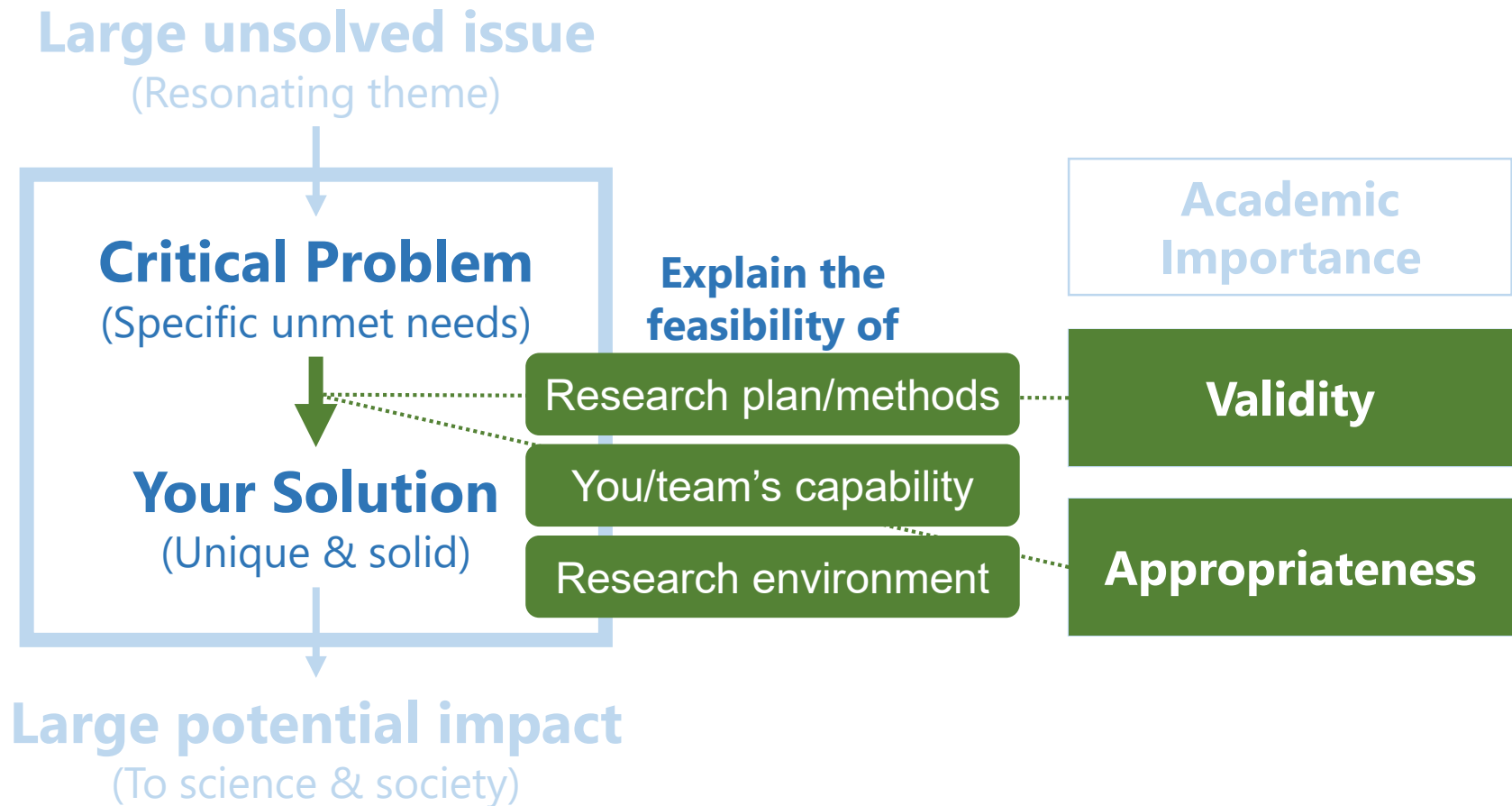
You need to satisfy both components!

Rabbit & Frog Icons: <https://chojugiga.com/>

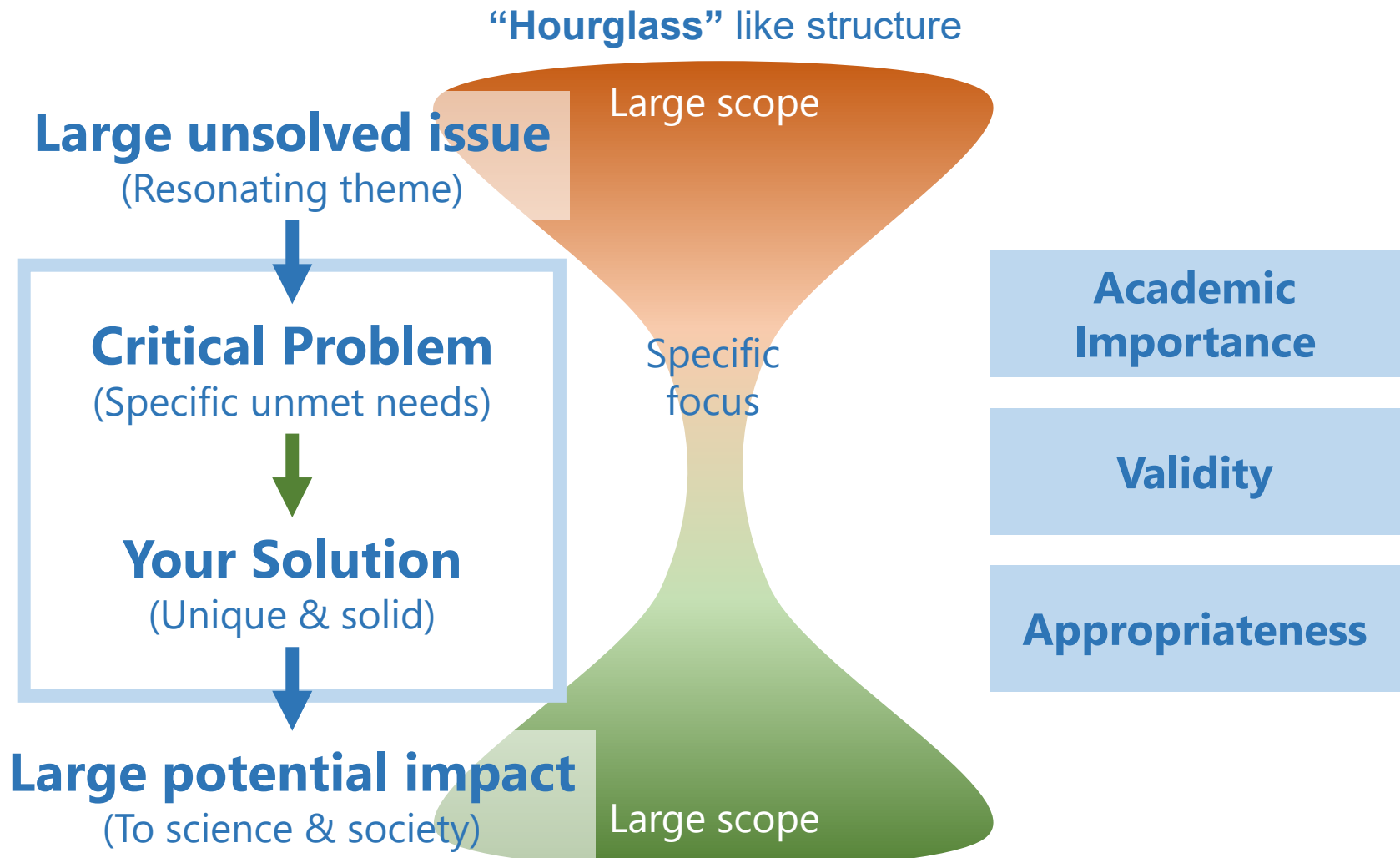
Academic Importance: Address why people should listen to you



Validity & Appropriateness: Address why your plan is feasible



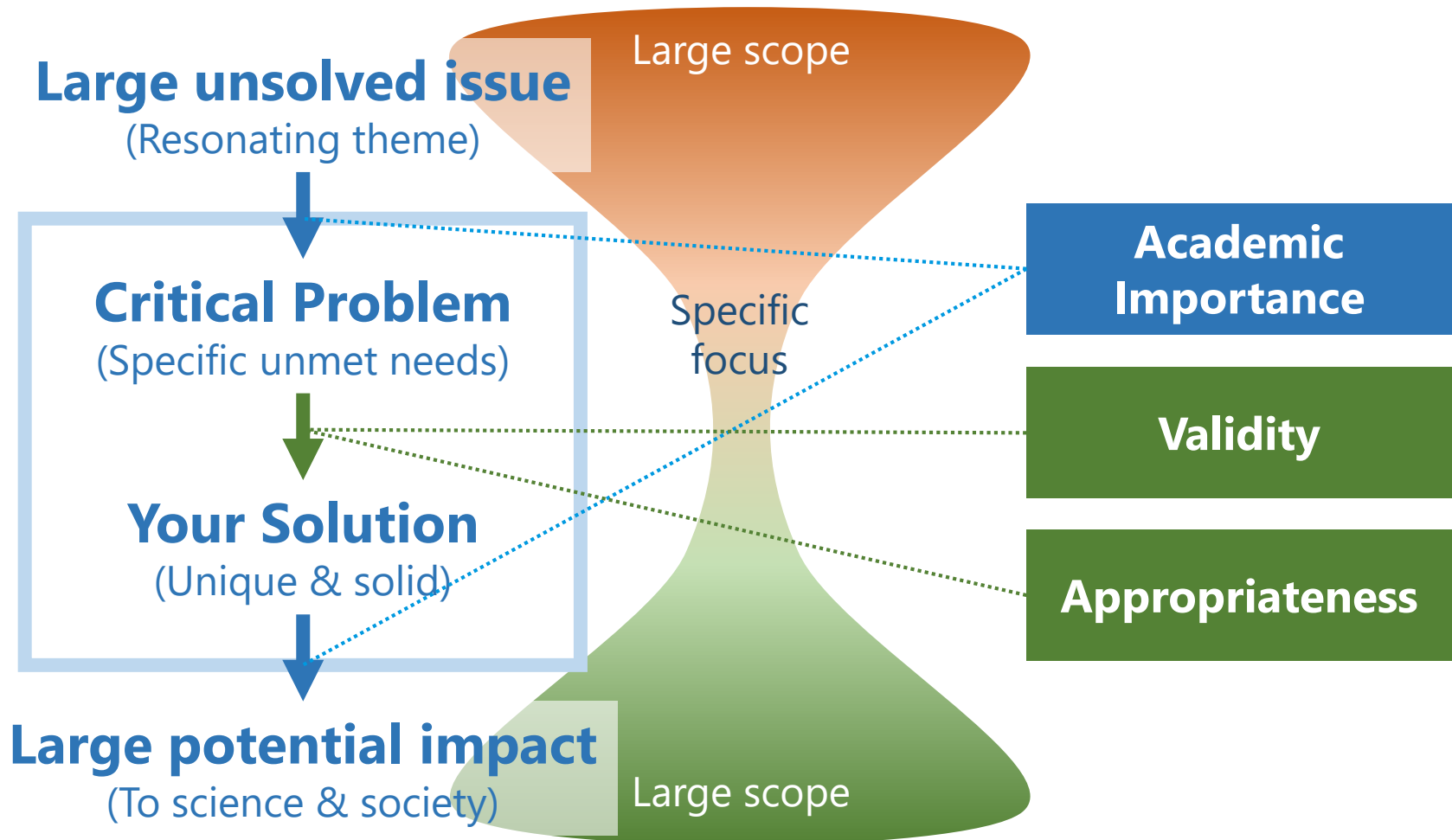
Storytelling: Storyline structure to explain both views



Modified from Scanlan C, “The hourglass: serving the news, serving the reader” Poynter, 2003
<https://www.poynter.org/reporting-editing/2003/the-hourglass-serving-the-news-serving-the-reader/>

Use the **“Large-Specified-Large”** scope for your storyline

Make a convincing storyline by incorporating the 3 elements



What is the “Key Scientific Question” in your application?

KAKENHI requests you to describe the
“**Key Scientific Question**” in your application

Large unsolved issue

(Resonating theme)



Critical Problem

(Specific unmet needs)



Your Solution

(Unique & solid)



Large potential impact

(To science & society)

**Academic
Importance**

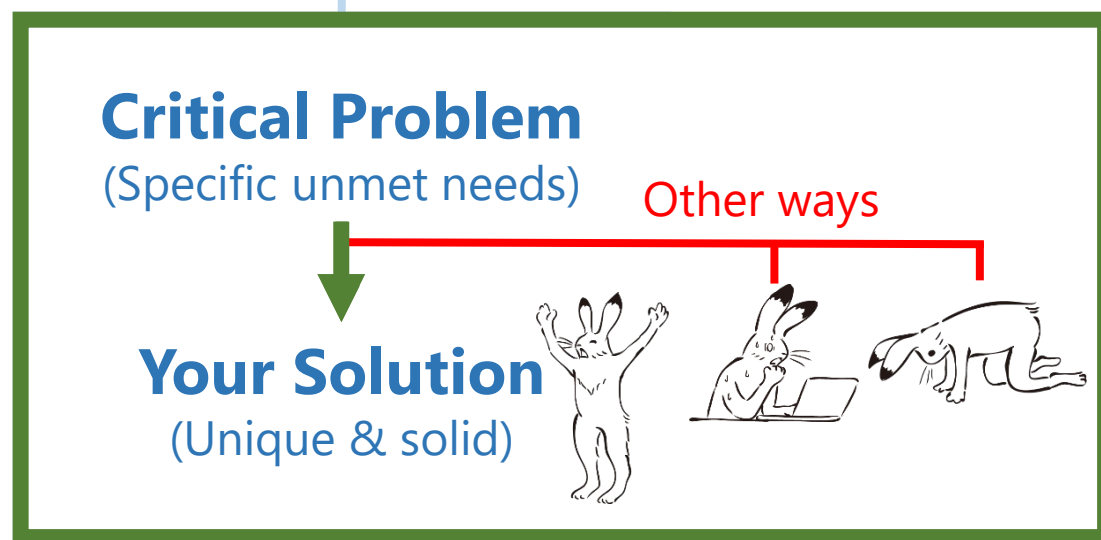
Validity

Appropriateness

What is the "Key Scientific Question" in your application?

Large unsolved issue

(Resonating theme)



**Academic
Importance**

Validity

Appropriateness

Large potential impact

(To science & society)

Modified from Ogawa T, "My experience as a reviewer"
KAKENHI Preparation in Advance, 2018

Rabbit Icons: <https://chojugiga.com/>

Make a question with an answer in which **your way is "the only way"**
by showing **"why other ways don't work"**

Useful tips in preparing an effective proposal

Tip #1: Grant Writing is different from Academic Writing

Tip #2: Use an Outline Framework


Tip #3: Use “Easy-to-understand Format & Language”

Tip #4: Prepare “diagrams” to visualize your plan

Tip #5: Obtain Third Person’s View via Feedback

Tip #1: Grant Writing is different from Paper Writing

What you need to convey is different

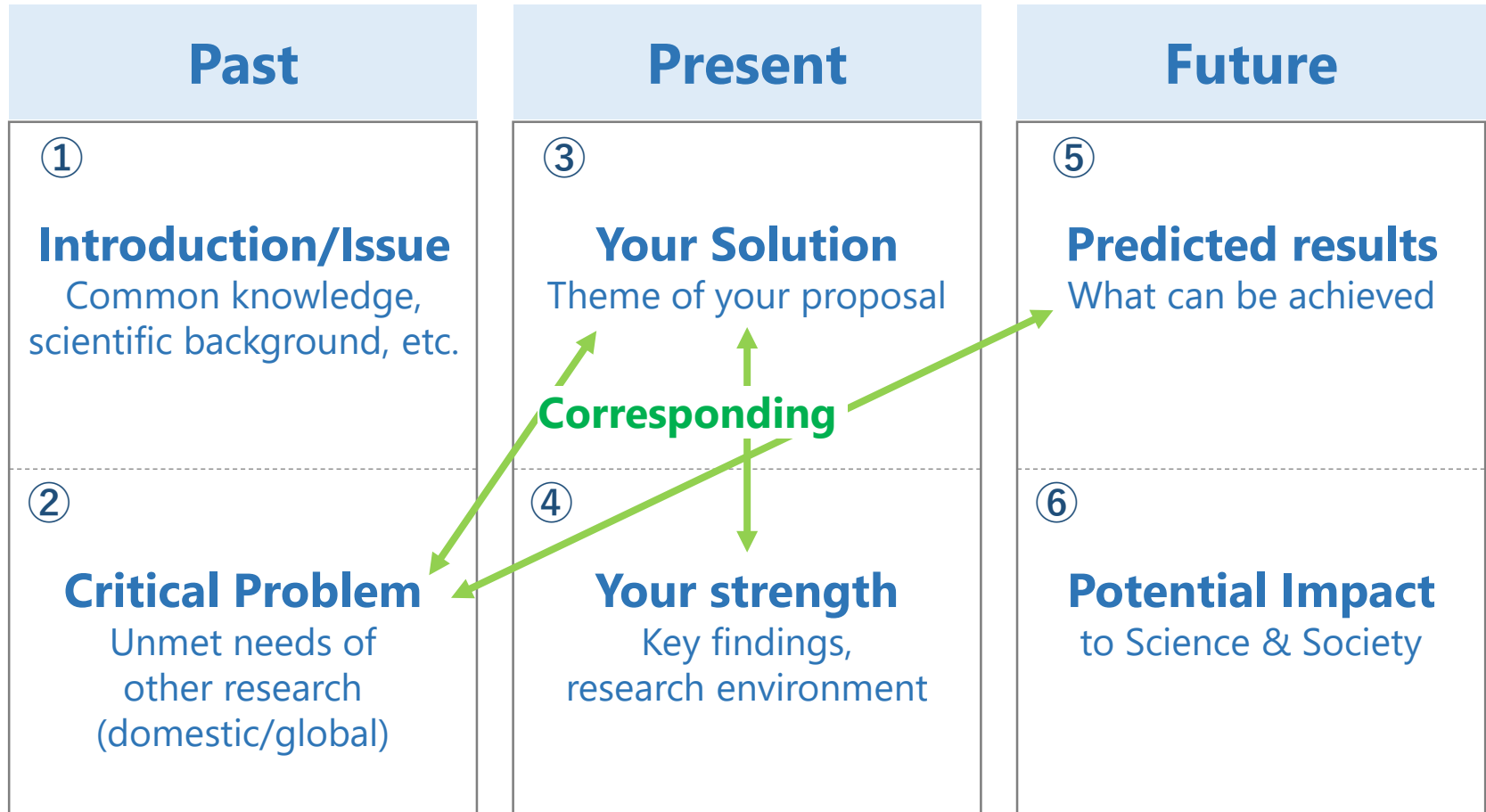
Paper Writing	vs	Grant Writing
Past oriented Work that has been done		Future oriented Work that should be done
Theme-centered Theory and thesis		Project-centered Objectives and activities
Few length constraints Verbosity rewarded		Strict length constraints Brevity rewarded
Specialized terminology “Insider jargon”		Accessible Language Easily understood

Modified from Porter R, “Why Academics Have a Hard Time Writing Good Grant Proposals”
The Journal of Research Administration, vol 38, 2, 2007

In Grant Writing, you need to **sell “your future plan”**

Tip #2: Use an outline framework

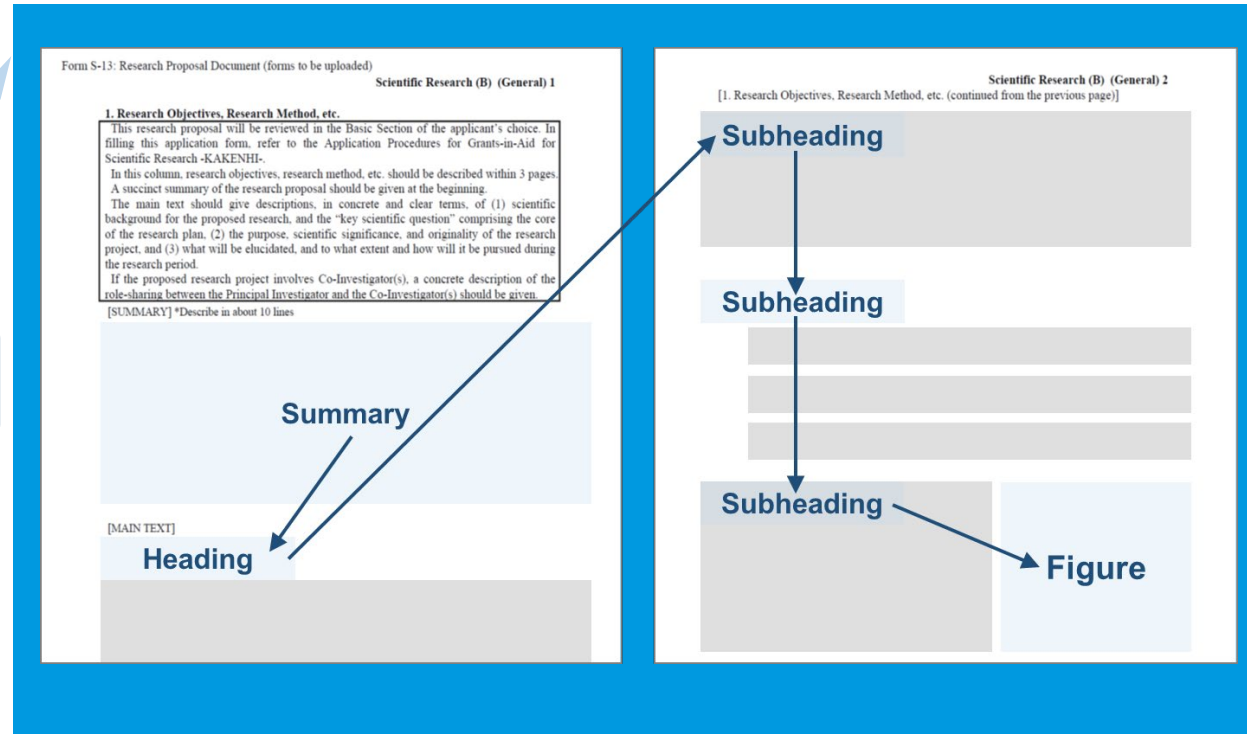
Sample of an Outline Framework



Modified from Ono E, “科研費研究計画調書のグラフィックデザイン”
K-CONNEX Seminar, 2017

Check to see if you have “**every component**” in your story

Tip #3: Use “Easy-to-understand Format & Language”



Hey! It's easy to follow!

Modified from Ogawa T, “My experience as a reviewer”
KAKENHI Preparation in Advance, 2018

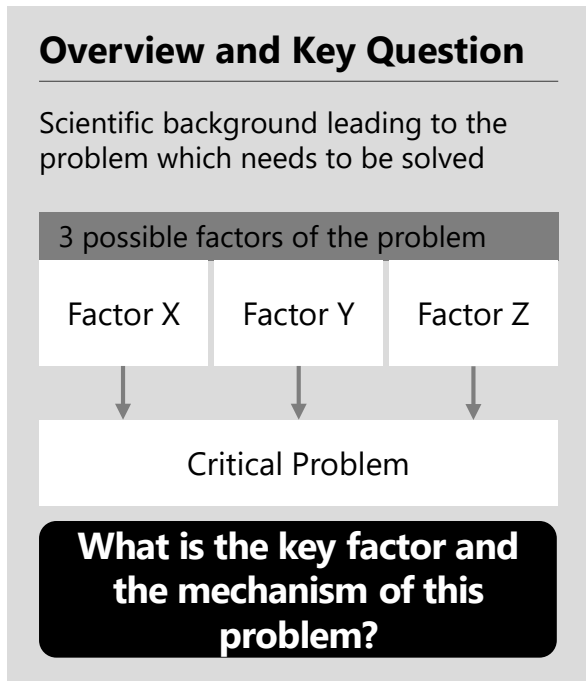
Frog Icons: <https://chojugiga.com/>

Effective placement of **summary, headers and figures**
will guide reviewers' eyes in **capturing your story**

Tip #4: Prepare “diagrams” to visualize your plan

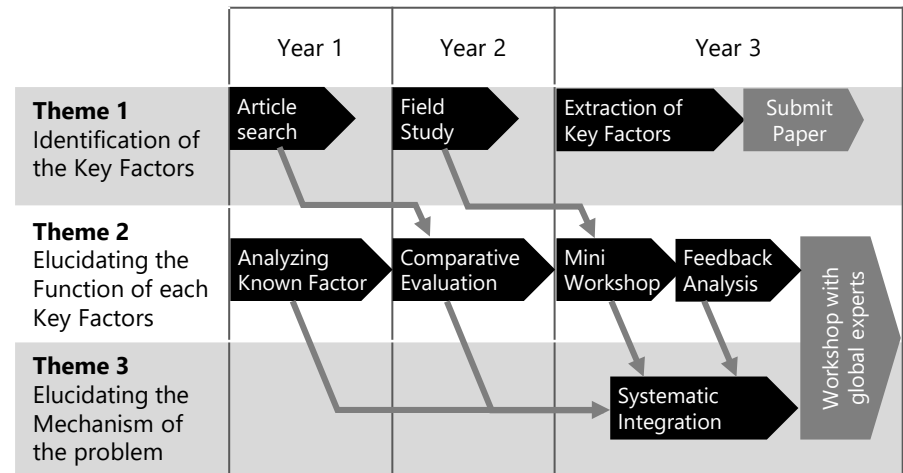
Let the visual image explain for you

e.g. Project overview



Make sure to prepare them in grayscale!

e.g. Project timeline



Modified from Ono E, “科研費研究計画調書のグラフィックデザイン”, 2019
https://ashbi.kyoto-u.ac.jp/ja/wp-content/uploads/sites/4/2019/11/ASHBi_KAKENHI2019_02-Ono.pdf



Wow! I can understand instantly!

Frog Icons: <https://chojugiga.com/>

Visualizing your storyline will enable reviewers to **capture the story at a glance**

Tip #5: Obtain Third Person's View via Feedback

Check to see how much of your proposal is understood by others



Modified from
Ono E, "科研費研究計画調書のグラフィックデザイン",
K-CONNEX Seminar, 2017

Having others check your document is important
to **avoid your story to become ego-centric**

ASHBi RESEARCH ACCELERATION PROGRAM



ASHBi Research Acceleration Unit



Tadashi Ogawa
Spyros Goulas
Tomoki Shimizu
Hiromi Inoue



IIMC, Kyoto University



Eiri Ono

Useful information available at
Research Acceleration Program
website

Grant Writing

Visualization

ASHBi
RESEARCH ACCELERATION PROGRAM

KAKENHI Writing Seminar

Telling your research story effectively

KAKENHI overview and evaluation system | Writing tips for early-stage researchers

Makioto Shida
University Research Administrator
WPI-ASHBi

Daniel Packwood
PI/Junior Associate Professor
WPI-ICAMS

What makes an effective grant proposal?
This 1-hour seminar will walk you through the KAKENHI and its evaluation system followed by practical writing tips from 10 members of multiple KAKENHI applications. Join us to find out about the importance of story telling in preparing an effective proposal for this year's KAKENHI research grant seminar (provided in English).

Zoom Online (Registration Required)
16:00-17:00 Friday, 30 July 2021

Registration URL: <https://forms.gle/m9vvelraoaVVA9pM8> (deadline 27 July)
Zoom URL will be sent to registered participants.
Zoom URL: <https://wpi-ashbi.zoom.us/j/92011111111>

For more information, contact: ashbi-acceleration@mail2.adm.kyoto-u.ac.jp

Institute for the Advanced Study of Human Biology (WPI-ASHBi)
IASHB, Kyoto University
Institute for Integrated Cell-Material Sciences (WPI-ICAMS)
IICAMS, Kyoto University

ASHBi | ICMMS | WPI

ASHBi
RESEARCH ACCELERATION PROGRAM

Visualizing your research!

伝わる研究計画書・論文の概要図を作るための思考整理

2022年2月10日 木
15:00 - 16:30

Zoom Online Seminar (事前申込制)

Speakers
小野 英理 Eiri Ono
有賀 雅也 Masahisa Ariga

Organized by Institute for the Advanced Study of Human Biology (WPI-ASHBi)
Contact: ashbi-acceleration@mail2.adm.kyoto-u.ac.jp

Appendix 1

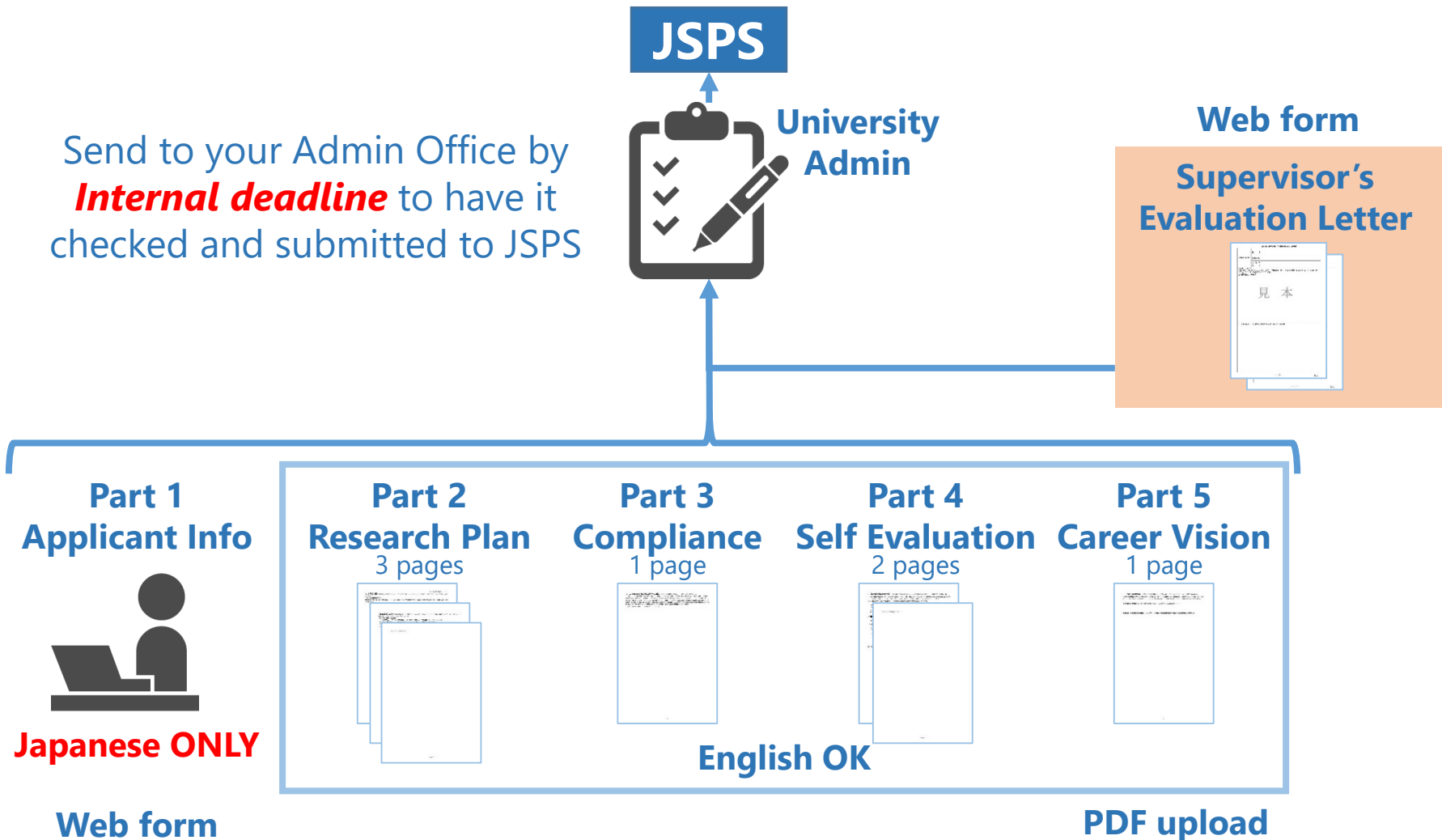
DC1/DC2 Application Form

The application form and most explanations for DC1/DC2 are only provided in Japanese

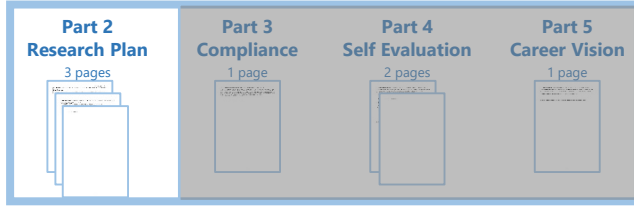
Please check the rough translation in the following pages for reference.

You need your boss's letter with your application documents

You must submit all documents to University Admin via the online system



Application form: Part 2 instruction (Rough translation)



(DC 申請内容ファイル)

2. 【研究計画】 ※適宜概念図を用いるなどして、わかりやすく記入してください。なお、本項目は1頁に収めてください。様式の変更・追加は不可。

(1) 研究の位置づけ

特別研究員として取り組む研究の位置づけについて、当該分野の状況や課題等の背景、並びに本研究計画の着想に至った経緯も含めて記入してください。

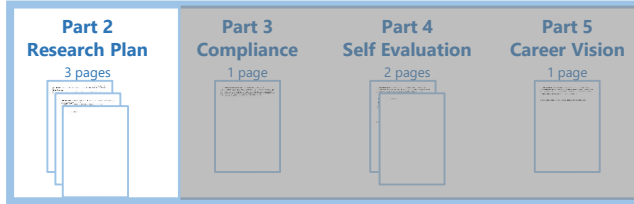
2. 【Research Plan page1】

Fill out the form in an **easy-to-understand manner**, using **conceptual diagrams** as appropriate. This section must be prepared **within one page** and **NO Format changes or additions** are permitted.

(1) Positioning of the research

Describe the **position of the research** to be conducted as a fellow, including the **background and problems in the research field**, and the **circumstances that led to the idea** of this research plan.

Application form: Part 2 instruction (Rough translation)



【研究計画】(続き) ※適宜概念図を用いるなどして、わかりやすく記入してください。なお、各事項の字数制限はありませんが、全体で2頁に収めてください。様式の変更・追加は不可。

(2) 研究目的・内容等

- ① 特別研究員として取り組む研究計画における研究目的、研究方法、研究内容について記入してください。
- ② どのような計画で、何を、どこまで明らかにしようとするのか、具体的に記入してください。
- ③ 研究の特色・独創的な点（先行研究等との比較、本研究の完成時に予想されるインパクト、将来の見通し等）にも触れて記入してください。
- ④ 研究計画が所属研究室としての研究活動の一部と位置づけられる場合は申請者が担当する部分を明らかにしてください。
- ⑤ 研究計画の期間中に受入研究機関と異なる研究機関（外国の研究機関等を含む。）において研究に従事することも計画している場合は、具体的に記入してください。

2. 【Research Plan page 2&3】

Fill out the form in an **easy-to-understand manner**, using **conceptual diagrams** as appropriate. This section must be prepared **within two pages** and **NO Format changes or additions** are permitted.

(2) Research purpose and content, etc.

1) Describe the **research objectives, research method, and research content** of the research plan to be conducted as a fellow.

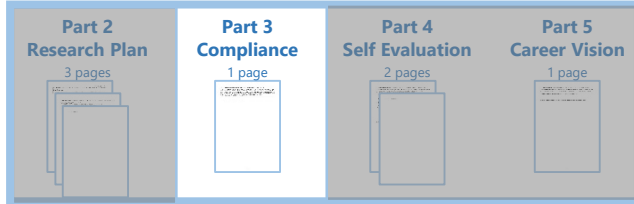
2) Describe in detail about **what will be elucidated, and to what extent and how will it be pursued** during the research period.

3) Describe the **characteristics and originality** of the research project (in comparison with previous research, expected impact upon completion of this research, future prospects, etc.).

4) If the research plan is positioned as part of the research activities of the applicant's laboratory, clarify the **part which the applicant is responsible for**.

5) If the applicant is planning to conduct research at a different research institution from the host institution (including foreign institution, etc.) then provide **specific details**.

Application form: Part 3 instruction (Rough translation)



3. 人権の保護及び法令等の遵守への対応 ※本項目は1頁に収めてください。様式の変更・追加は不可。
本欄には、「2. 研究計画」を遂行するにあたって、相手方の同意・協力を必要とする研究、個人情報の取り扱いの配慮を必要とする研究、生命倫理・安全対策に対する取組を必要とする研究など指針・法令等（国際共同研究を行う国・地域の指針・法令等を含む）に基づく手続きが必要な研究が含まれている場合、講じる対策と措置を記入してください。
例えば、個人情報を伴うアンケート調査・インタビュー調査、行動調査（個人履歴・映像を含む）、国内外の文化遺産の調査等、提供を受けた試料の使用、侵襲性を伴う研究、ヒト遺伝子解析研究、遺伝子組換え実験、動物実験など、研究機関内外の情報委員会や倫理委員会等における承認手続きが必要となる調査・研究・実験などが対象となりますので手続きの状況も具体的に記入してください。
なお、該当しない場合には、その旨記入してください。

4. 【Protection of human rights and compliance with laws and regulations】

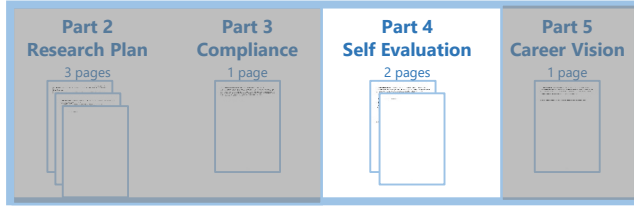
This section must be prepared **within one page** and **NO Format changes or additions** are permitted.

This column should be filled in if the **research requires procedures based on guidelines, laws, etc.** (including the guidelines, laws, etc. of the country or region where the international joint research is to be conducted) in order to carry out the “2. Research Plan”, describe the measures and actions to be taken. These include research that requires the consent and cooperation of the other party, research that requires consideration of the handling of personal information, or research that requires bioethics and safety measures (including those of countries and regions where international joint research is conducted),

For example, surveys/research/experiments will require approval procedures by information committees or ethics committees inside or outside the research institution needs to have the necessary procedures written. These research may include questionnaire surveys/interview surveys involving personal information, behavioral surveys (including personal histories and images), surveys of domestic and international cultural heritage, use of provided samples, research involving invasiveness, human genetic analysis research, genetic recombination experiments, and animal experiments.

If this part is not applicable in your research, indicate so.

Application form: Part 4 instruction (Rough translation)



4. 【研究遂行力の自己分析】 ※各事項の字数制限はありませんが、全体で2頁に収めてください。様式の変更・追加は不可。
本申請書記載の研究計画を含め、当該分野における(1)「研究に関する自身の強み」及び(2)「今後研究者として更なる発展のため必要と考
えている要素」のそれぞれについて、これまで携わった研究活動における経験などを踏まえ、具体的に記入してください。

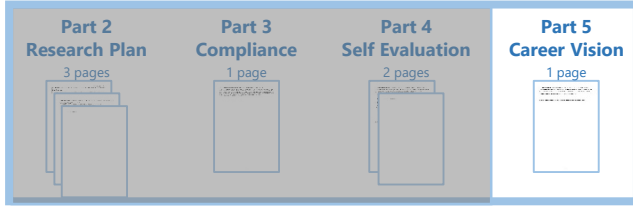
4. 【Self Evaluation of Research Conductivity】

This section must be prepared **within two pages** and **NO Format changes or additions** are permitted.

In addition to the research plan described in this application form, describe (1) “**Your research strengths**” and (2) “**Factors you consider necessary for further development as a researcher**” based on your experience in the research activities you have been involved.

Describe your research strengths, including the results of your past research activities (e.g., publications) that provide evidences to your description.

Application form: Part 5 instruction (Rough translation)



5. 【目指す研究者像等】※各事項の字数制限はありませんが、全体で1頁に収めてください。様式の変更・追加は不可
日本学術振興会特別研究員制度は、我が国の学術研究の将来を担う創造性に富んだ研究者の養成・確保に資することを目的としています。
この目的に鑑み、(1)「目指す研究者像」、(2)「目指す研究者像に向けて特別研究員の採用期間中に行う研究活動の位置づけ」を記入してください。

5. 【Image of the researcher you aim to be】

This section must be prepared **within one page** and **NO Format changes or additions** are permitted.

The purpose of the JSPS Research Fellowship is to foster and secure the highly creative researchers who will lead the future academic research in Japan. In light of this purpose, provide (1) “**the image of the researcher you are aiming to be**” and (2) “**the research positioning toward the researcher image you are aiming to be** during the period of Research Fellow”.

*In your description, also describe the **qualities you need to acquire** in becoming the researcher you are aiming to be.*

When writing, understand what is expected for each part

The following information as important notes in the briefing to universities

【研究計画】欄

「研究の位置づけ」の記入にあたっては、自身の研究計画だけでなく、当該分野の状況や課題等の背景、当該研究計画の着想に至った経緯も含めて記入

【研究遂行力の自己分析】欄

- 我が国の学術研究の将来を担う創造性に富んだ研究者の養成・確保という特別研究員制度の趣旨を踏まえ、自身を十分に分析して「研究に関する自身の強み」等を記入
- その際、「研究業績」を記入する場合は、単なる成果物（論文等）の列挙のみとするのではなく、それらも踏まえた自身の強み等を記入

Part 2. Research Plan

Describe the **position of the research** to be conducted as a fellow, including the **background and problems in the research field**, and the **circumstances that led to the idea** of this research plan. (→Part 2(1))

Part 4. Self Evaluation of Research Conductivity

- Based on the purpose of the JSPS Research Fellowship to foster and secure the highly creative researchers who will lead the future academic research in Japan, **analyze yourself thoroughly** when writing “**your research strengths**”.
- When writing your “**research achievements**”, do not simply list your achievements (publications, etc.), but also **write your strengths using these achievements as evidences**.

Appendix 2

Other useful information for DC1/DC2

Q&A page provides beneficial information for application

JSPS offers “**Q&A page**” to answer the FAQs of the fellowship applicants
https://www.jsp.go.jp/j-pd/pd_qa.html

Q&A for Fellows under FY2022 Research Fellowships for Young Scientists

1. Eligibility

1. Eligibility
2. Screening Prospects
3. Fellowship Tenure
4. Stipends
5. Application Forms
6. Screening Process

1. Eligibility

Q1-1 When applying for a JSPS PD fellowship, why will I only be eligible within a certain number of years after obtaining my PhD?

A1-1 The purpose of this fellowship program is to support young researchers at the initial stage of their careers. Support is focused on young researchers just after they obtain their doctorates. Accordingly, an eligibility requirement is placed on the number of years after obtaining a PhD.

Q1-2 I have ever adopted as a JSPS Research Fellow for Young Scientists. Can I make an application again?

A1-2 A DC-Fellow alumni can apply for a PD fellowship, but is not able to apply for a DC fellowship again. In the same manner, A PD-Fellow alumni cannot apply for a PD fellowship again.

Q1-3 I was adopted as a DC-Fellow at first, but during the fellowship tenure, my program categories of the Fellowship had to be changed to PD-Fellow by obtaining doctoral degree. May I apply for a Research Fellowship as a PD-Fellow?

A1-3 It depends on your type of status of residence in Japan. If you were either a Japanese citizen or a foreigner with permanent residency in Japan, you would be eligible to apply for the Fellowship again. If not, you shouldn't. A person with a doctorate degree who have neither Japanese citizenship nor permanent residency might be able to apply for a JSPS Postdoctoral Fellowship for Foreign Researchers (<https://www.jsp.go.jp/english/e-fellow/index.html>).

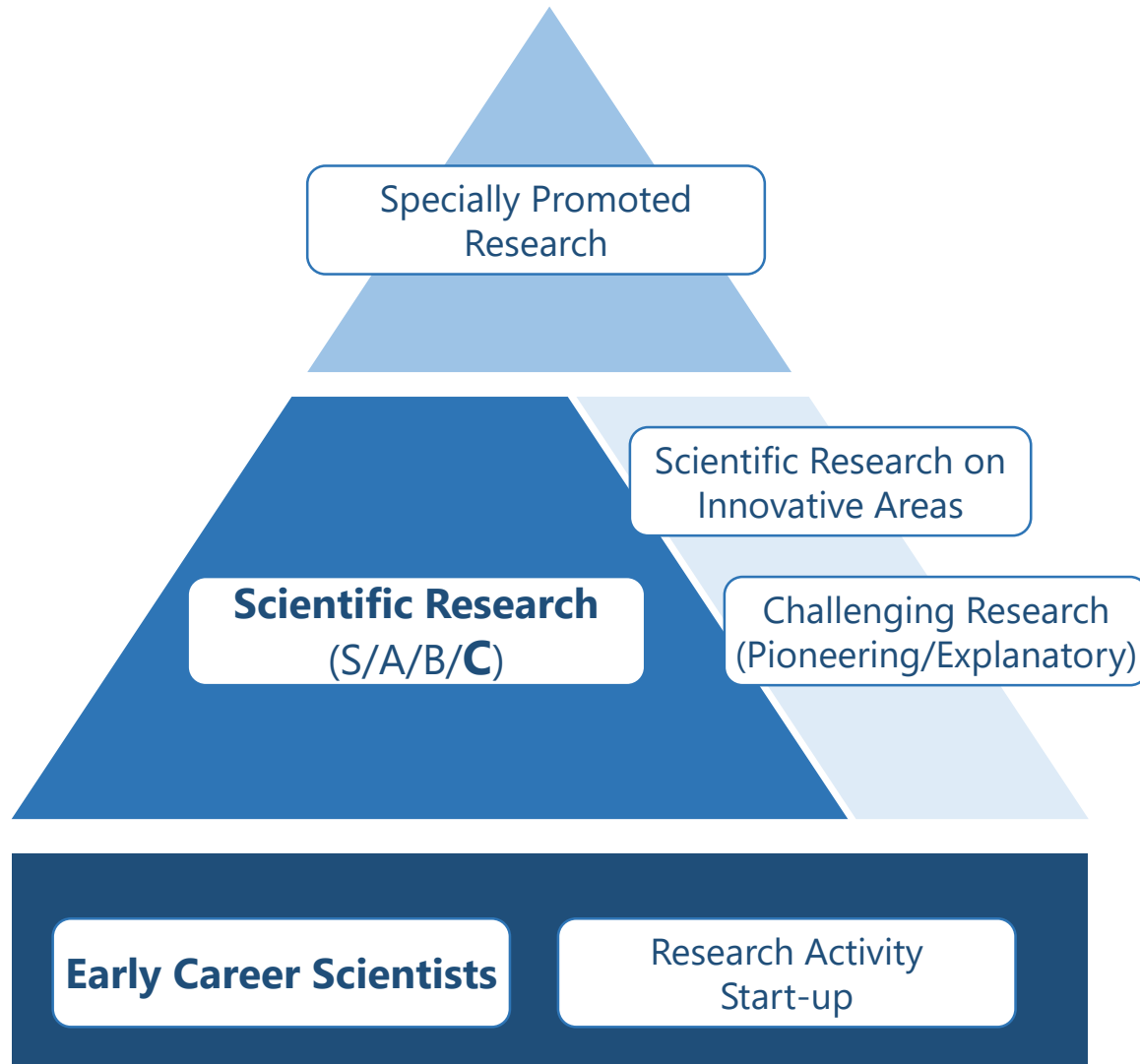
Q1-4 I am currently not affiliated with any research institutions. Am I eligible to apply for a Research Fellowship?

A1-4 Yes. As for both PD and DC fellowships, it is necessary to satisfy the eligibility requirements stipulated in the Application Guidelines, as of April 1 when the fellowship tenure starts. So that you can make an application without regard to any affiliations at the time of application. Regarding application procedure, PD and DC2 fellowship applicants are required to submit their application forms and files through their prospective host institutions (the institution at the same time to which the host researcher is affiliated), and as for DC1 applicants, they are required to submit them through the graduate school in Japan they are now attending or attended as master course students. However, as for DC1 applicants who are currently being enrolled or were enrolled in overseas graduate school, it is through the prospective host institution in Japan that they should submit applications.

Appendix 3

For KAKENHI Applications

KAKENHI Research Categories



KAKENHI Grants-in Aid for Scientific Research Pamphlet, JSPS
https://www.jsps.go.jp/english/e-grants/data/kakenhi_pamph_e.pdf

Useful links on KAKENHI

- KAKENHI proposal documents
<https://www.jsps.go.jp/english/e-grants/grants09.html>
- Restriction on Parallel Grant Application
[https://www.jsps.go.jp/english/e-grants/data/09/2022/table of restriction e.pdf](https://www.jsps.go.jp/english/e-grants/data/09/2022/table%20of%20restriction%20e.pdf)
- KAKENHI Review Section Table
[https://www.jsps.go.jp/english/e-grants/data/09/2022/review section table e.pdf](https://www.jsps.go.jp/english/e-grants/data/09/2022/review%20section%20table%20e.pdf)
- KAKENHI past reviewer list (in Japanese)
https://www.jsps.go.jp/j-grantsinaid/14_kouho/meibo.html
- KAKENHI Peer Review Process
<https://www.jsps.go.jp/english/e-grants/grants03.html>
- KAKENHI Review Process & Assessment Criteria
https://www.jsps.go.jp/english/e-grants/data/2021/r3hyoutei03_en_general.pdf

Appendix 4

For effective storytelling

What's different in Paper Writing & Grant Writing?

Academic Writing versus Grant Writing: Contrasting Perspectives

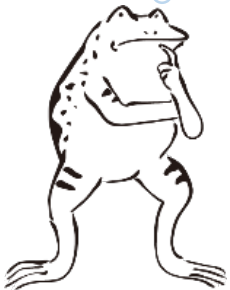
Academic Writing	Grant Writing
Scholarly pursuit: <i>Individual passion</i>	Sponsor goals: <i>Service attitude</i>
Past oriented: <i>Work that has been done</i>	Future oriented: <i>Work that should be done</i>
Theme-centered: <i>Theory and thesis</i>	Project-centered: <i>Objectives and activities</i>
Expository rhetoric: <i>Explaining to reader</i>	Persuasive rhetoric: <i>"Selling" the reader</i>
Impersonal tone: <i>Objective, dispassionate</i>	Personal tone: <i>Conveys excitement</i>
Individualistic: <i>Primarily a solo activity</i>	Team-focused: <i>Feedback needed</i>
Few length constraints: <i>Verbosity rewarded</i>	Strict length constraints: <i>Brevity rewarded</i>
Specialized terminology: <i>"Insider jargon"</i>	Accessible language: <i>Easily understood</i>

Porter R, "Why Academics Have a Hard Time Writing Good Grant Proposals",
The Journal of Research Administration, vol 38, 2, 2007

Which questions are answered in a good abstract?

A good abstract will convey answers to reviewer's questions

- **Which problem are you going to solve?**
- **Why is it important?**
- **How will you do it?**
- **What do you plan to find/achieve?**
- **Why are your findings important?**



Modified from "Writing an abstract", Australian National University
<https://www.anu.edu.au/students/academic-skills/research-writing/journal-article-writing/writing-an-abstract>