People. Discovery. Innovation.
Les gens. La découverte. L'innovation.

NSERC
CRSNG

Natural Sciences and Engineering Research Council of Canada

Conseil de recherches en sciences naturelles et en génie du Canada

Canada

NSERC Information Session
Scholarships and Fellowships
2018-2019

Western University

Sarah Smith & Kayla Zavitske,
Program Officers

September 13, 2018

Agenda

- EDI initiatives at NSERC
- Postgraduate programs
- Postdoctoral programs
- How to apply
- Tips and advice
- Contact information

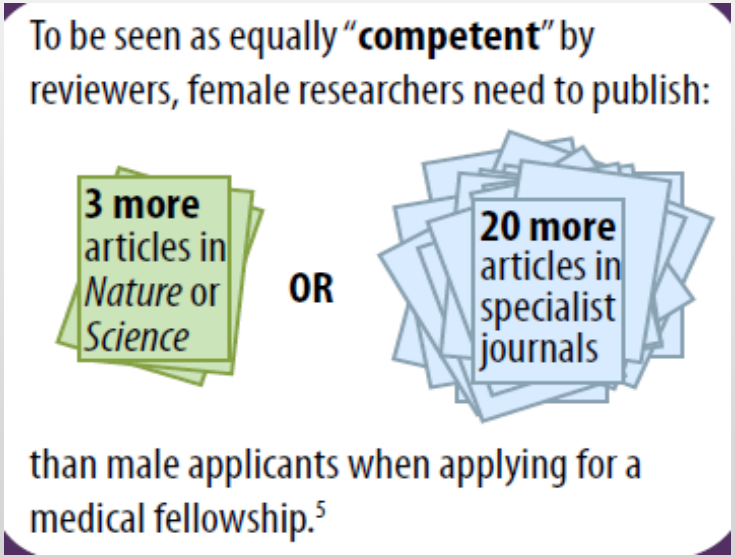
Equity, diversity and inclusion initiatives at NSERC

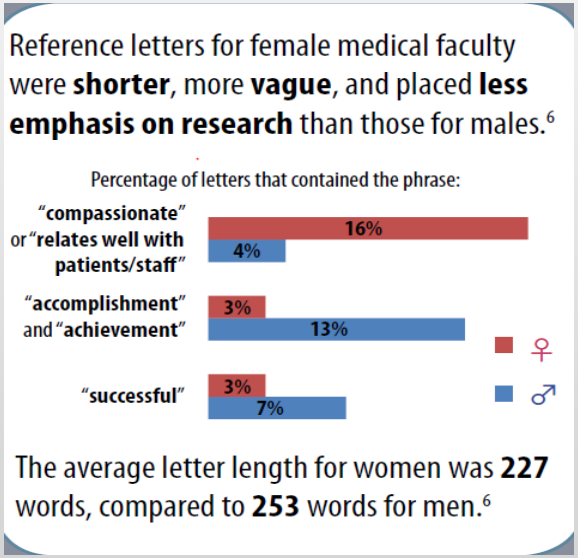
NSERC's focus on EDI

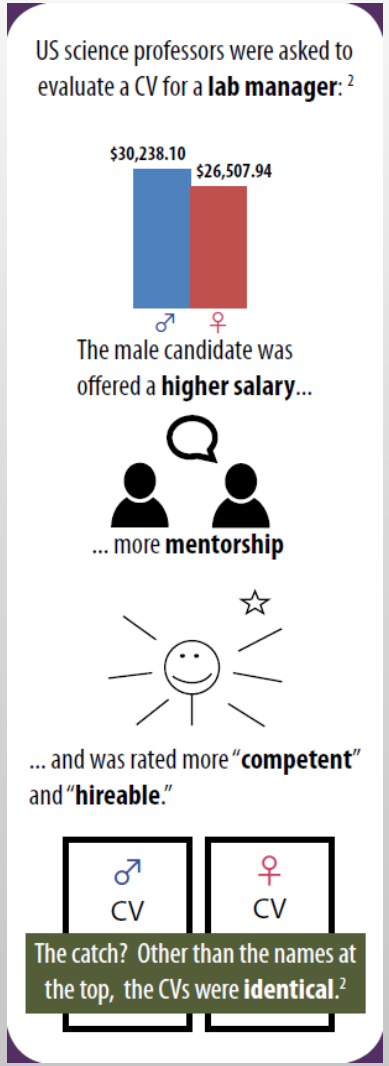
- **NSERC is committed to implementing policies and processes to identify and mitigate barriers and biases within our programs**

- **Sound EDI practices at NSERC will:**
  - increase access to the largest pool of qualified applicants
  - enhance the integrity of our application and selection processes
  - increase the overall excellence of the research

Why is addressing EDI issues important?







[The gender gap in science: How long until women are equally represented?:]

"Despite recent progress…the gender gap is especially large in authorship positions associated with seniority, and prestigious journals have fewer women authors."

What features does NSERC have in place to enhance EDI for students/postdocs?

- Diversity on selection committees
- EDI training for staff and members
- Extensive list of examples of activities demonstrating communication, interpersonal, and leadership abilities
- Parental leave policies
- Evaluation of applicants based on active period
- Collection of equity data
- Special circumstances section
- Applications from Indigenous applicants

EDI data collection

This new data is important for monitoring the equity performance of our programs and informing future measures to increase equity, diversity and inclusion in the research enterprise.

Interagency harmonization of the collection of self-identification data includes: age, gender, Indigenous identity, disability and visible minority.

Examples:

Age

What is your date of birth?

- ❑ [DD/MM/YYYY]
- ❑ I prefer not to answer

Gender

Select the option that you identify with.

- ❑ Woman
- ❑ Man
- ❑ Gender-fluid, non-binary, and/or Two-Spirit
- ❑ I prefer not to answer

Indigenous identity

Do you identify as Indigenous; that is First Nations (North American Indian), Métis, or Inuit?

- ❑ Yes
- ❑ No
- ❑ I prefer not to answer

If "Yes", select the options that you identify with.

- ❑ First Nations
- ❑ Inuit
- ❑ Métis
- ❑ I prefer not to answer

Canada Graduate Scholarships–Master's

Canada Graduate Scholarships–Master's

	CGS M
Value and duration	• $17,500 for one year
Minimum average	• First-class* in each of the last two completed years of study (full-time equivalent)
Where to apply	• Up to 3 institutions where you would like to hold the award (institutions must have an award allocation)
When and how to apply	• By 8 PM (ET) on December 1 • Research Portal
Award announcements	• As of April 1 • Research Portal

** As determined by the host institution*

In addition, you must:

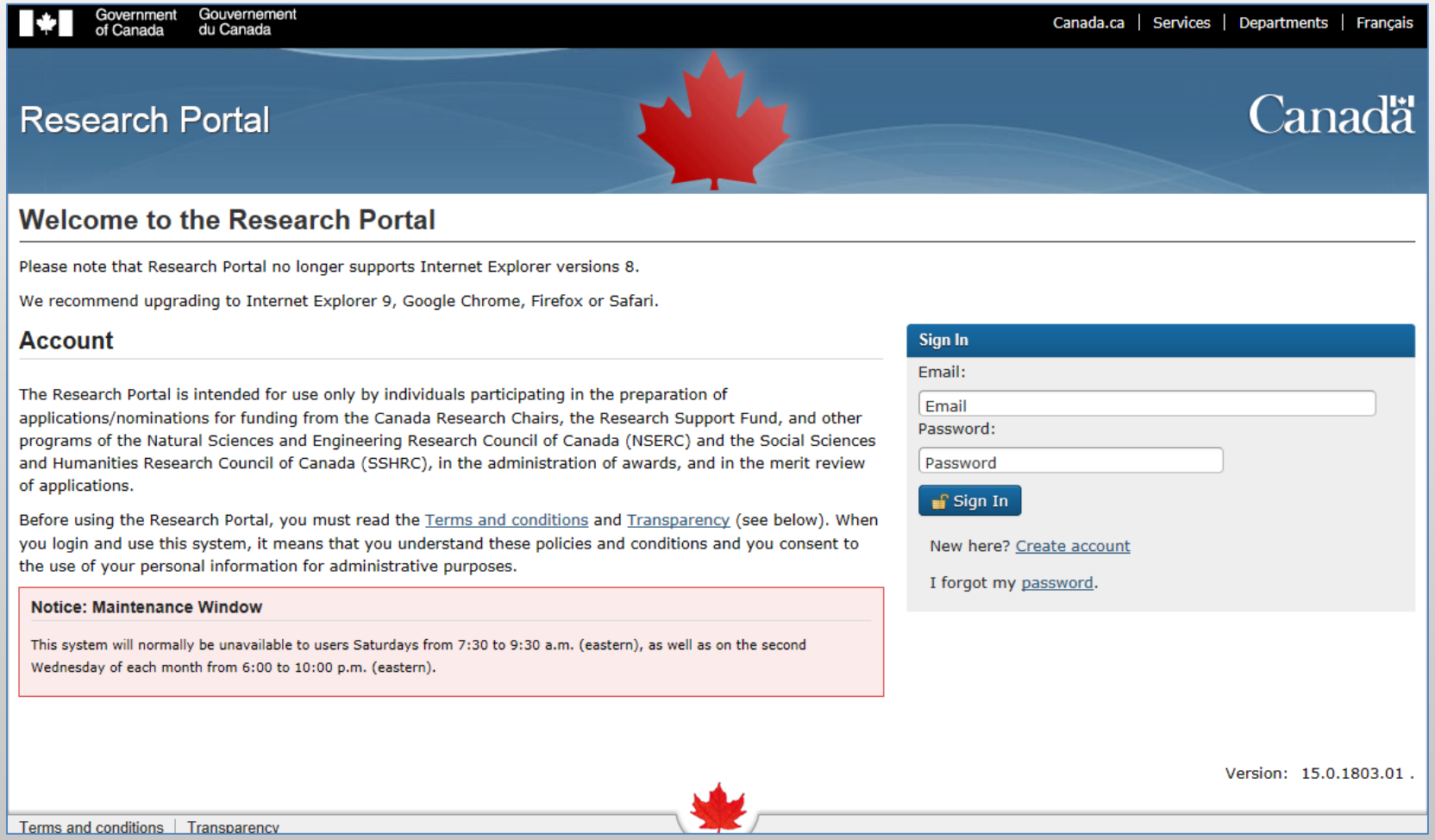
- **be a Canadian citizen or permanent resident of Canada**
- **not have already held a CGS M**
- **submit a maximum of one application per academic year to either CIHR, NSERC, or SSHRC**
- **intend to pursue a master's or doctoral program with a significant research component**
- **have completed, as of December 31 of the year of application, between 0 and 12 months of studies in a master's/doctoral program**

possibility of holding a CGS M for the first year of a doctoral program

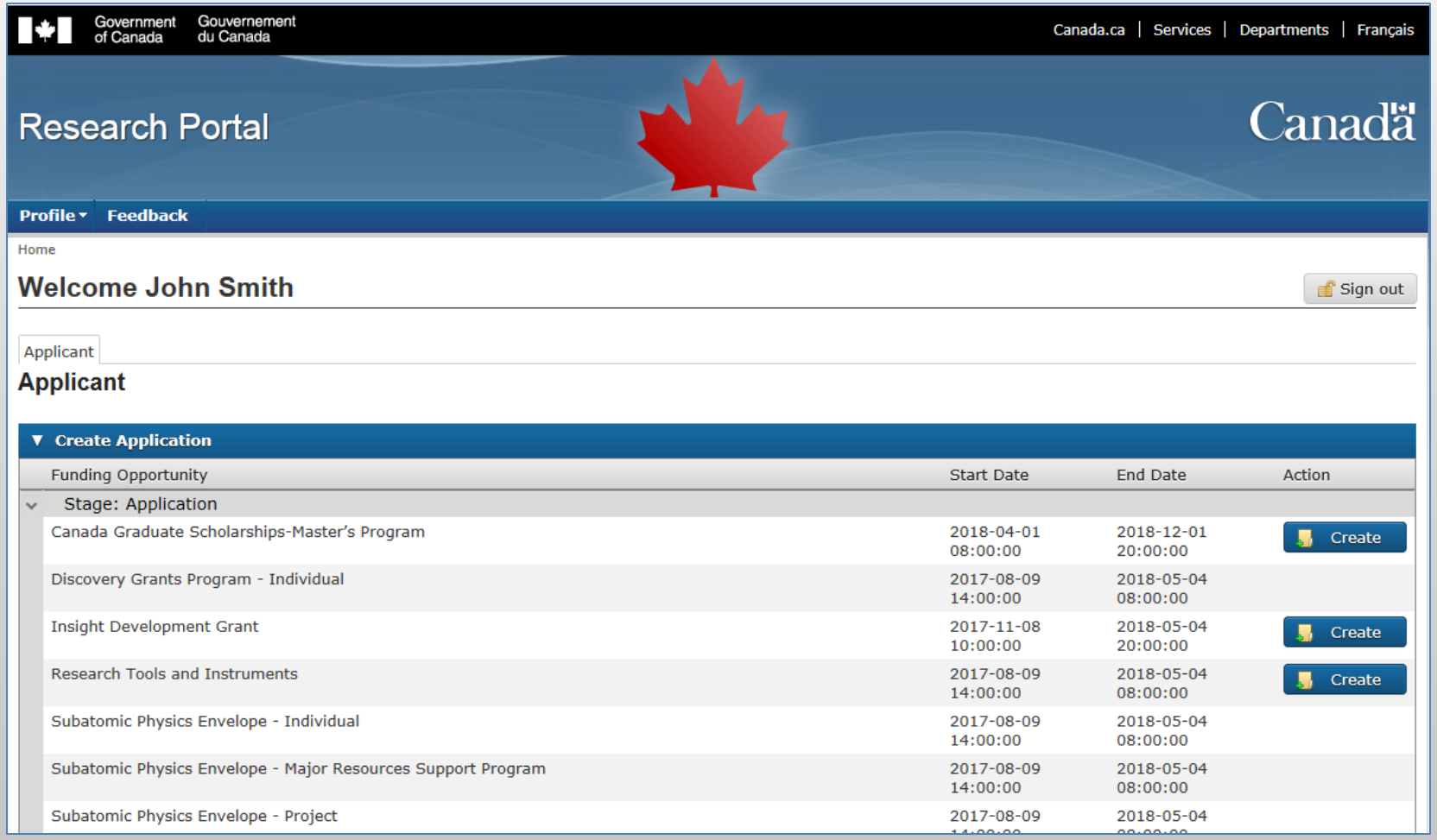
Selection criteria and weightings

Selection criterion	Weighting (%)
Academic excellence	50
Research potential	30
Personal characteristics and interpersonal skills	20
TOTAL	100

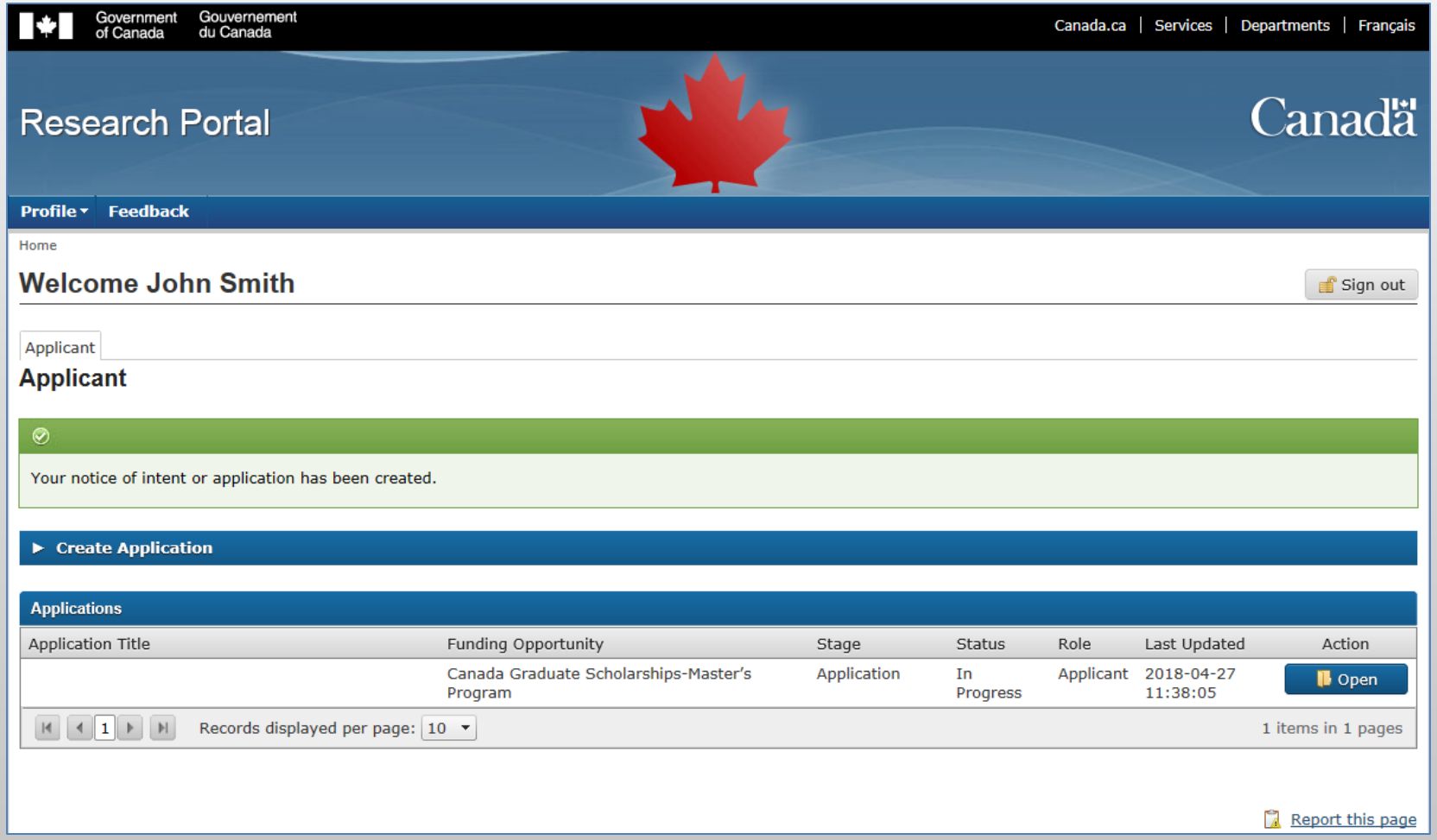
Research Portal – creating an account



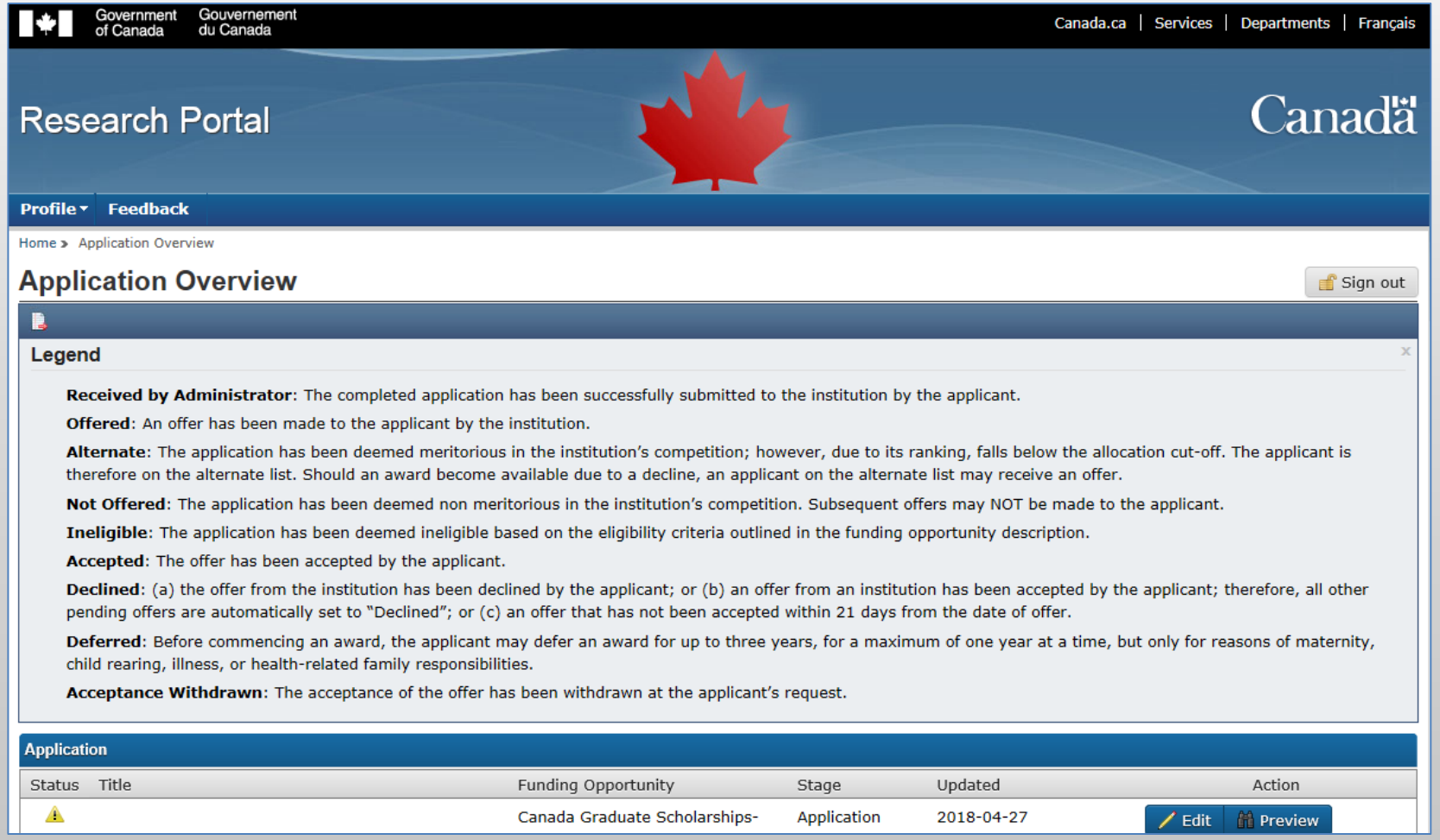
Research Portal – creating an application



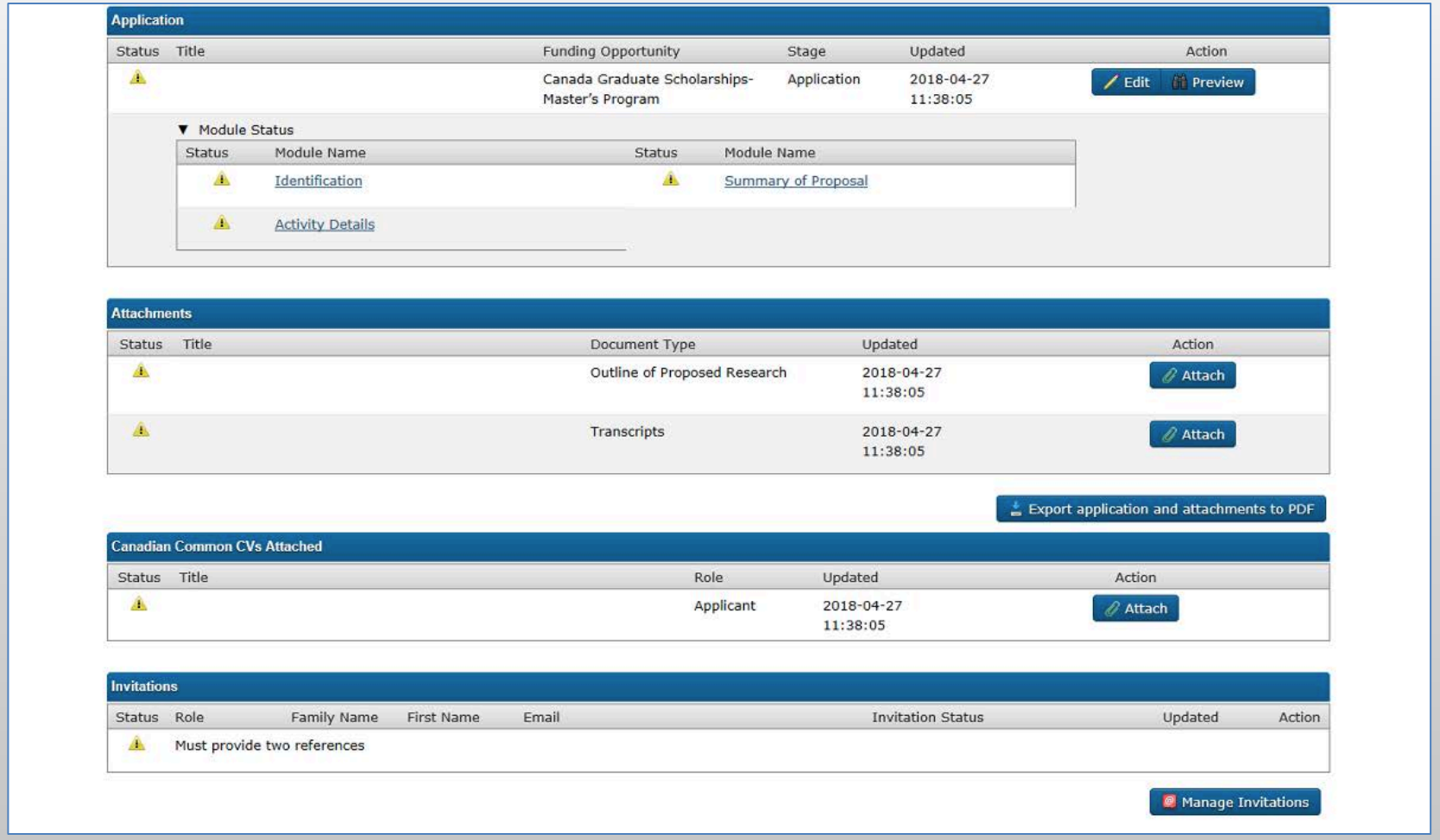
Research Portal – accessing an application



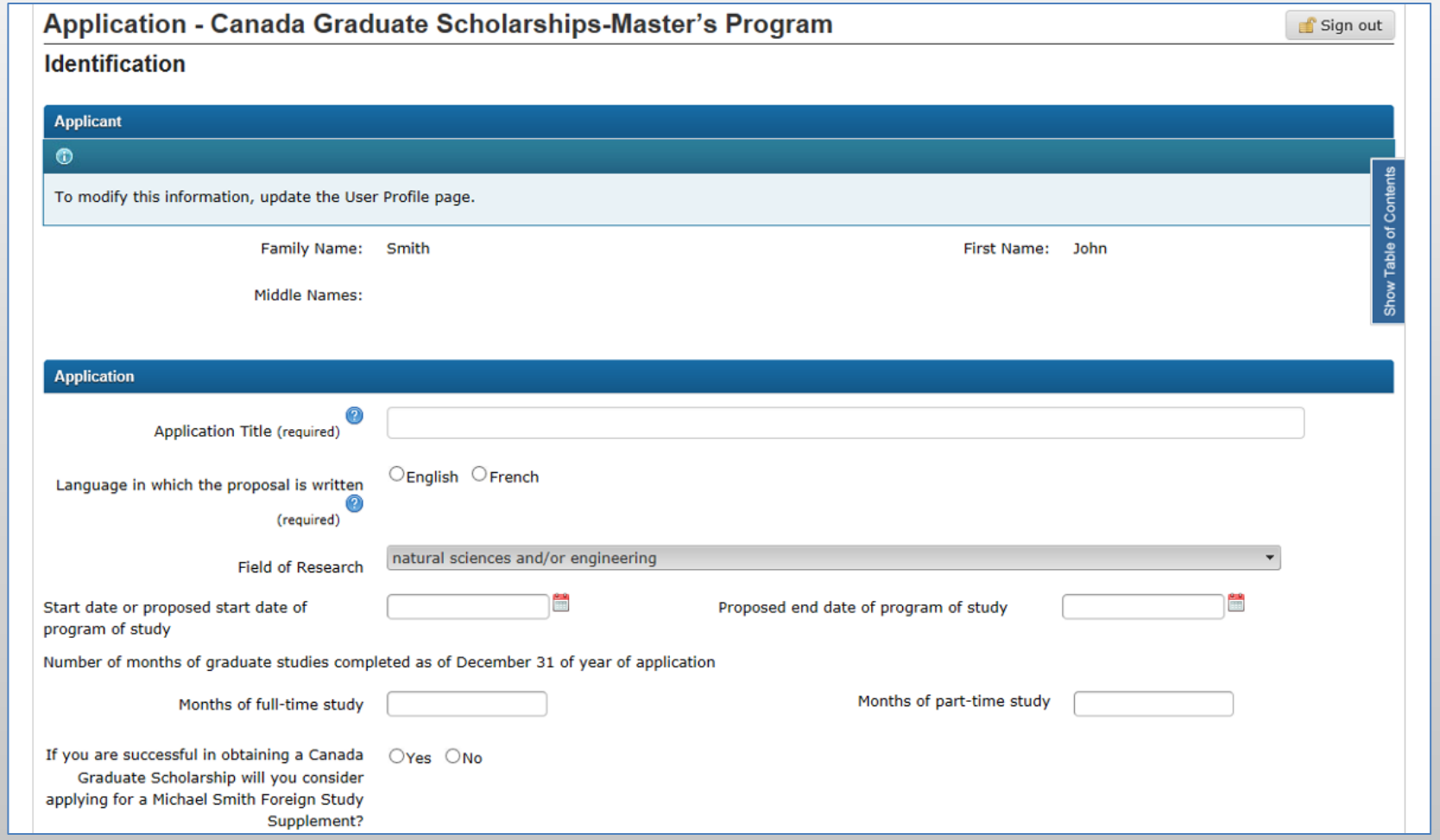
Research Portal – application overview



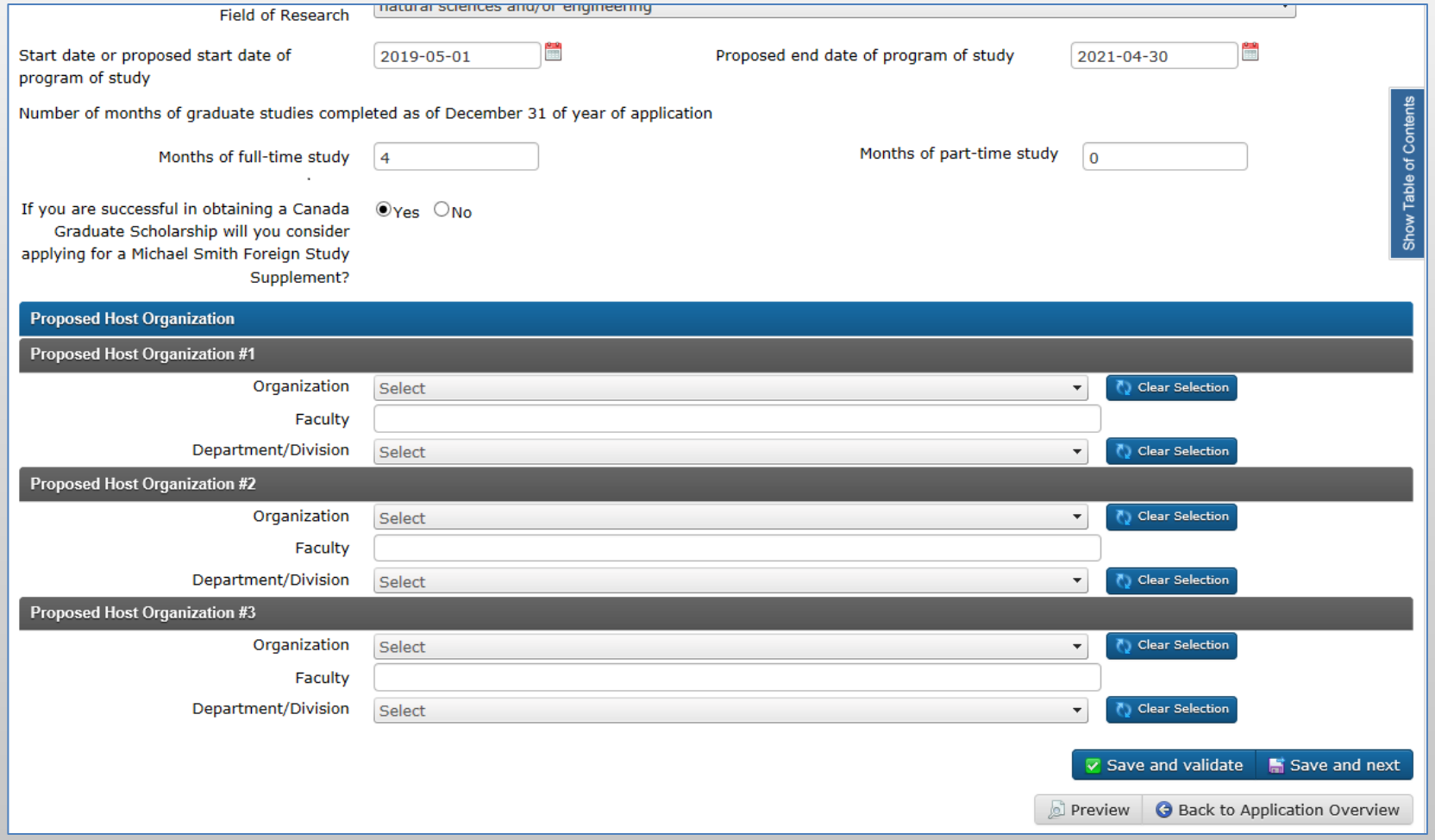
Research Portal – completing the modules



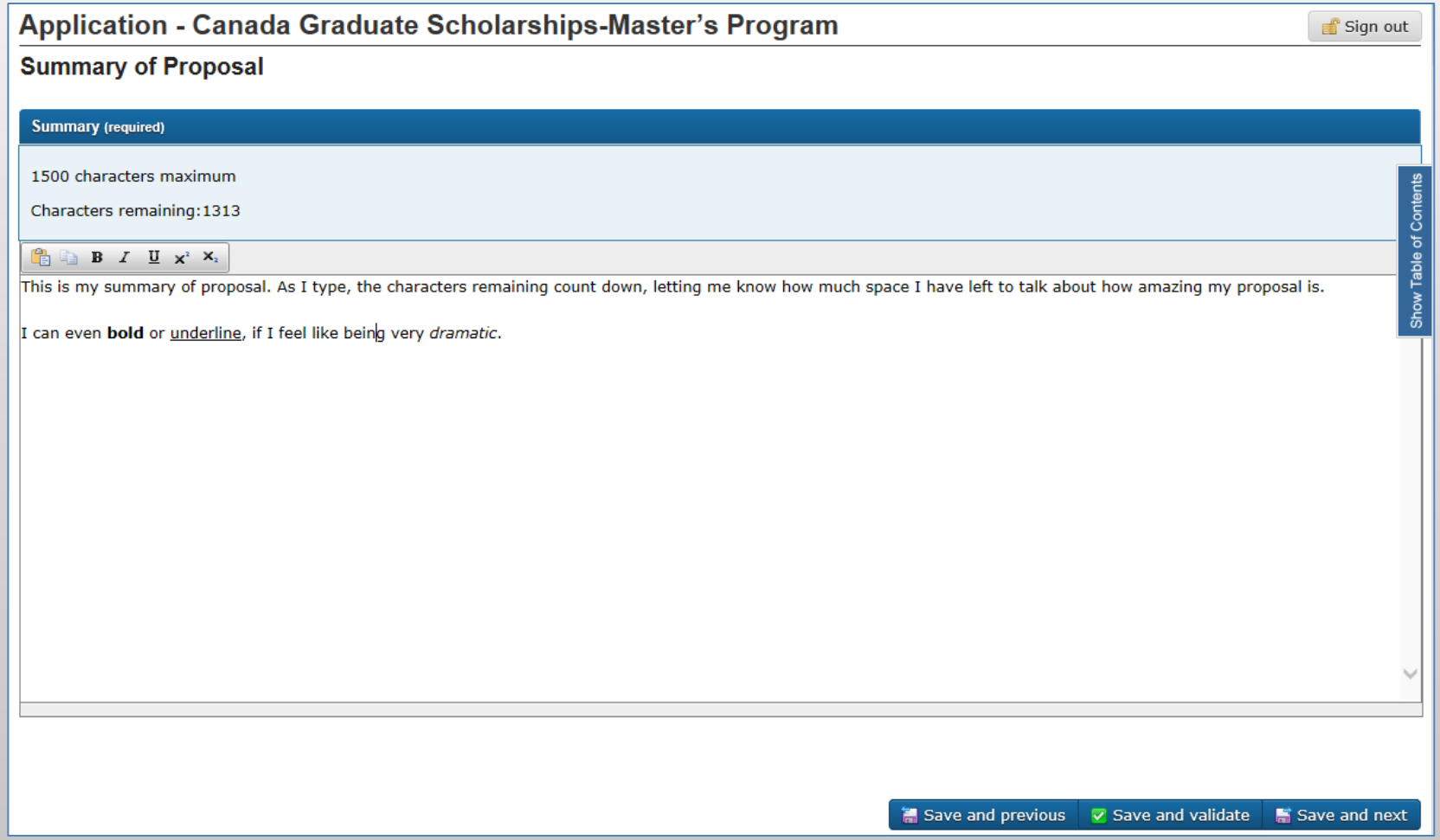
Research Portal – identification



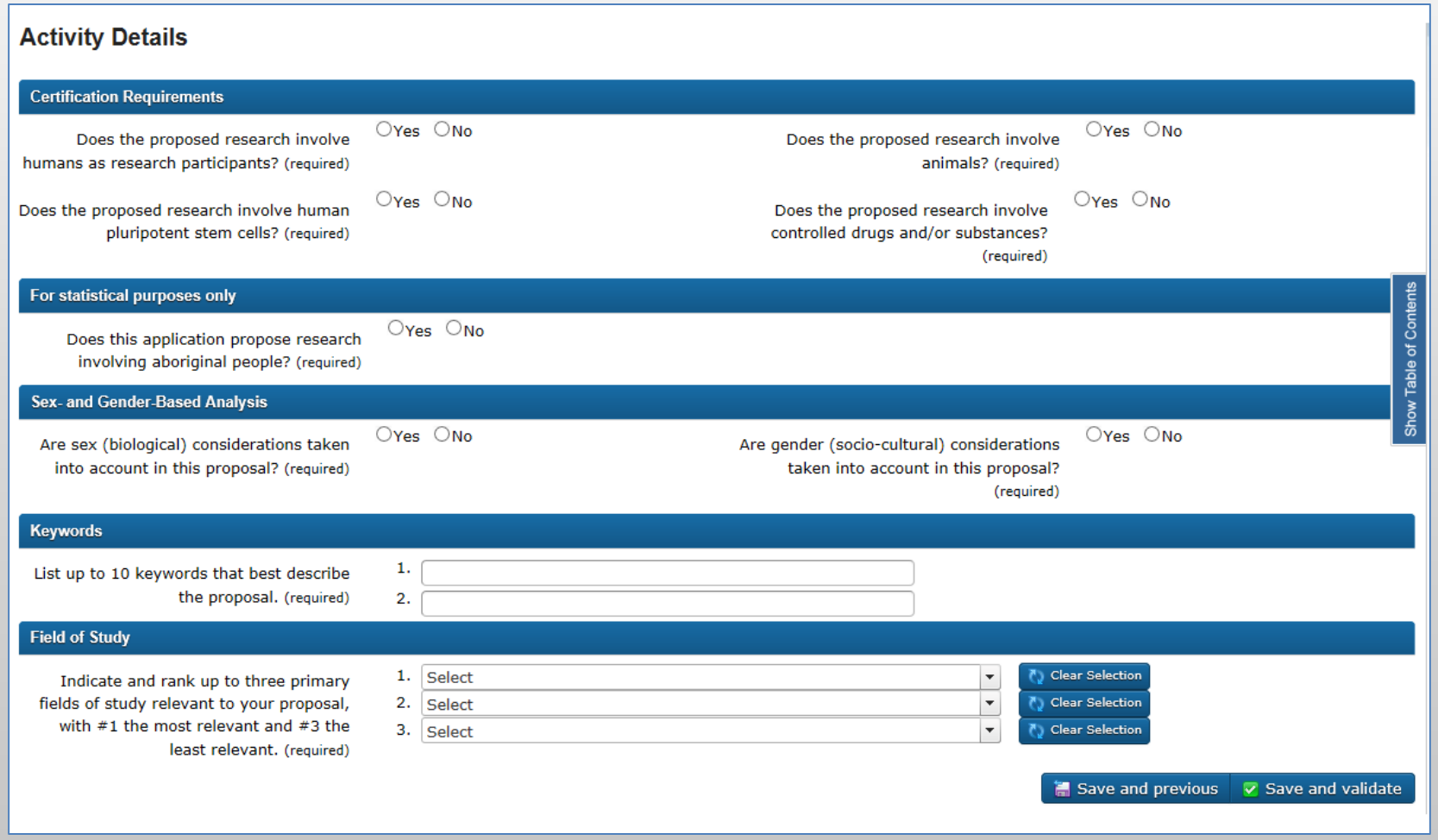
Research Portal – proposed host organization



Research Portal – summary of proposal



Research Portal – activity details



Activity Details

Certification Requirements

Does the proposed research involve humans as research participants? (required) ○Yes ○No

Does the proposed research involve animals? (required) ○Yes ○No

Does the proposed research involve human pluripotent stem cells? (required) ○Yes ○No

Does the proposed research involve controlled drugs and/or substances? (required) ○Yes ○No

For statistical purposes only

Does this application propose research involving aboriginal people? (required) ○Yes ○No

Show Table of Contents

Sex- and Gender-Based Analysis

Are sex (biological) considerations taken into account in this proposal? (required) ○Yes ○No

Are gender (socio-cultural) considerations taken into account in this proposal? (required) ○Yes ○No

Keywords

List up to 10 keywords that best describe the proposal. (required)

1.
2.

Field of Study

Indicate and rank up to three primary fields of study relevant to your proposal, with #1 the most relevant and #3 the least relevant. (required)

1. Select Clear Selection
2. Select Clear Selection
3. Select Clear Selection

Save and previous | Save and validate

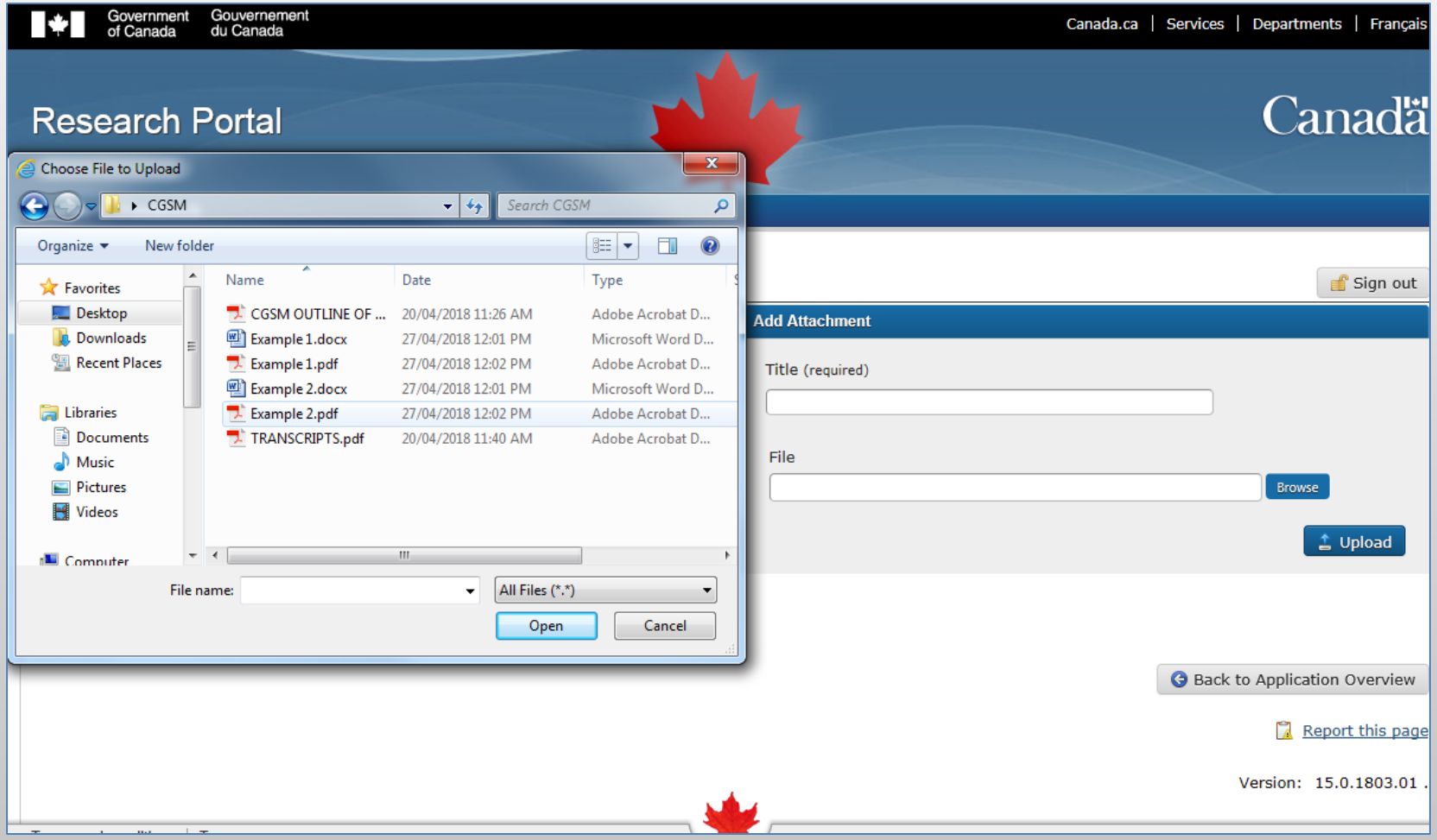
Outline of proposed research

- **Consists of two separate sections:**
  - outline of proposed research (maximum one page)
  - bibliography/citations (maximum one page)
- **Provide detailed description of your proposed research project for the period during which you will hold the award**
  - describe the objectives, hypothesis, experimental or theoretical approach, methods and procedures to be used
  - position your proposed research within the context of current knowledge in the field
  - describe the significance of the research project to the field of research, as appropriate
- **If you have not yet decided on a specific project, you must still provide a detailed description of a research project that interests you**

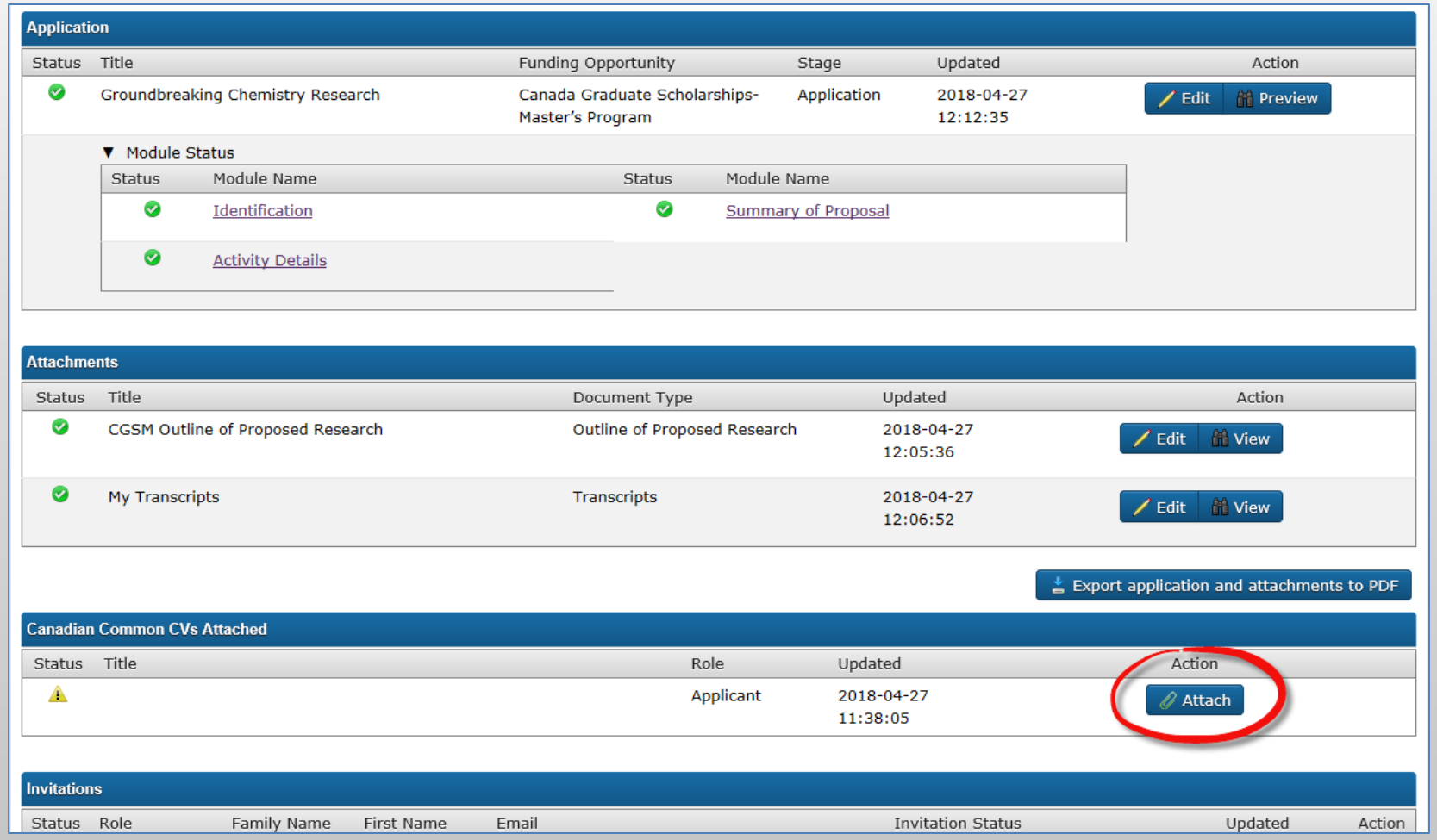
Outline of proposed research (continued)

- **If your degree program does not involve a thesis, clearly describe the research component of your proposed work**
- **Only one outline of proposed research can be attached, even if you apply to more than one institution**
- **Your application may be reviewed by a broad audience not necessarily in your direct area of research**
- **Use clear, plain language and avoid jargon**
- **Follow the directives provided in the instructions for completing an application**

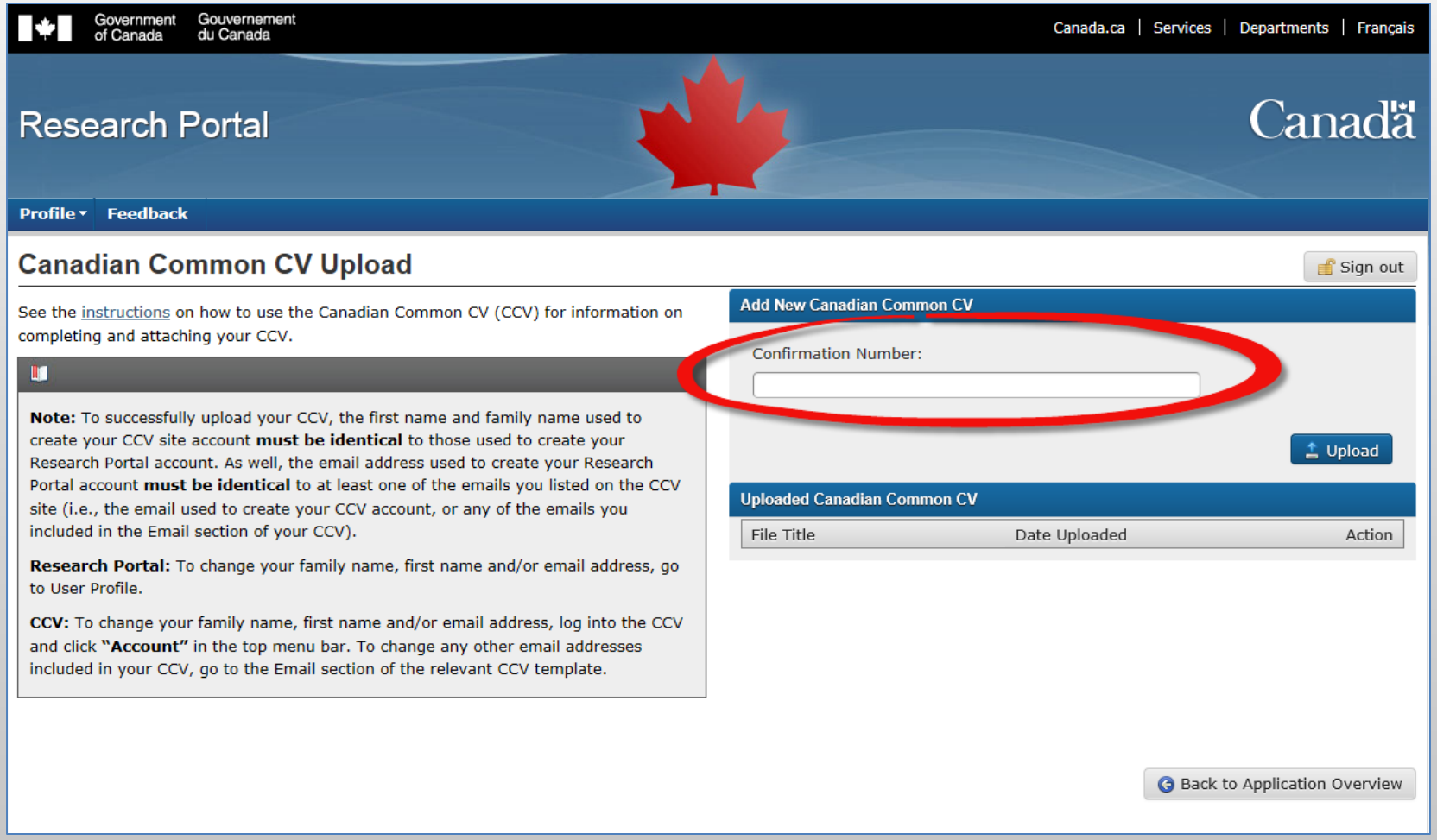
Research Portal – attachments



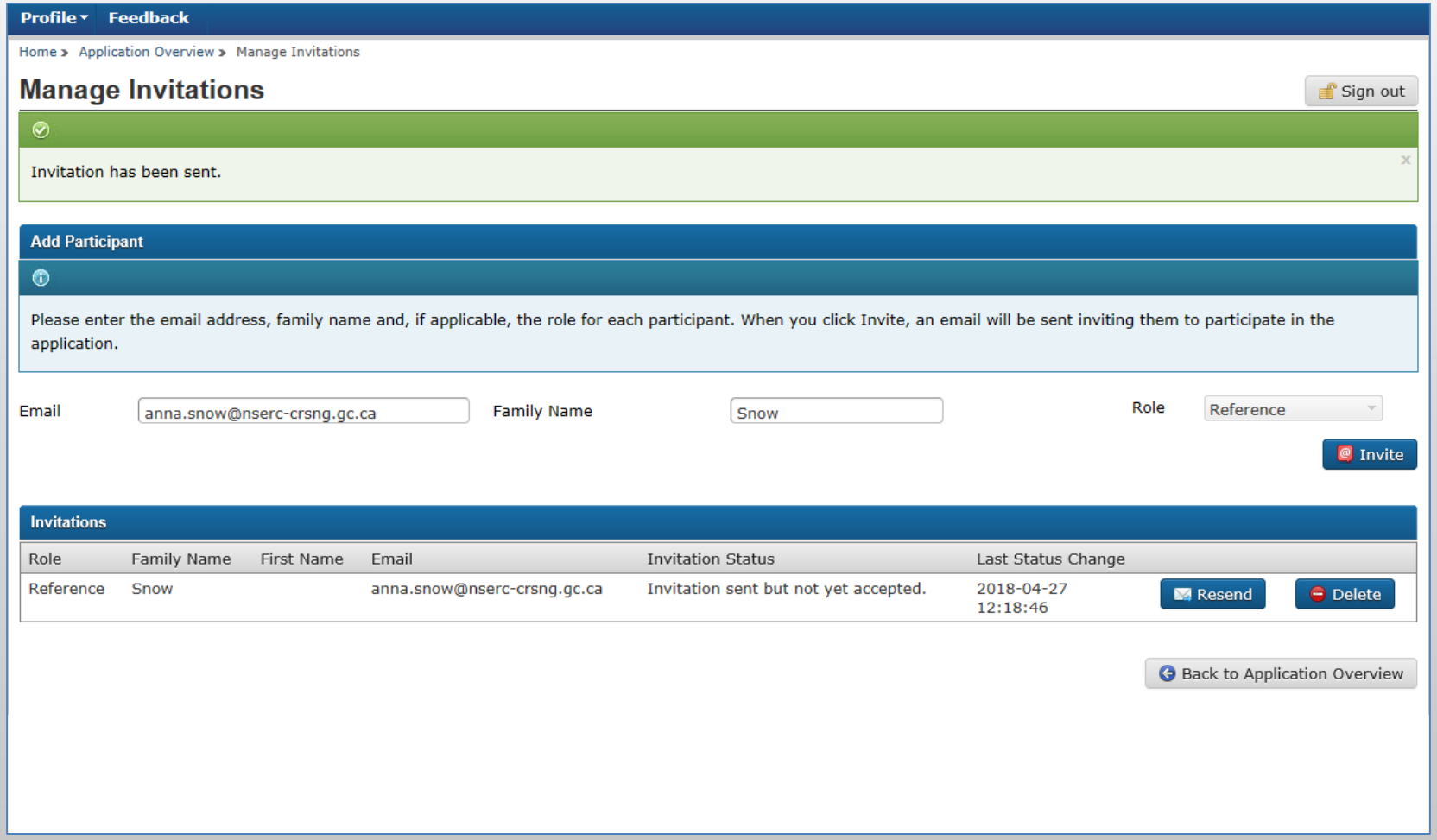
Research Portal – attaching a Canadian Common CV (CCV)



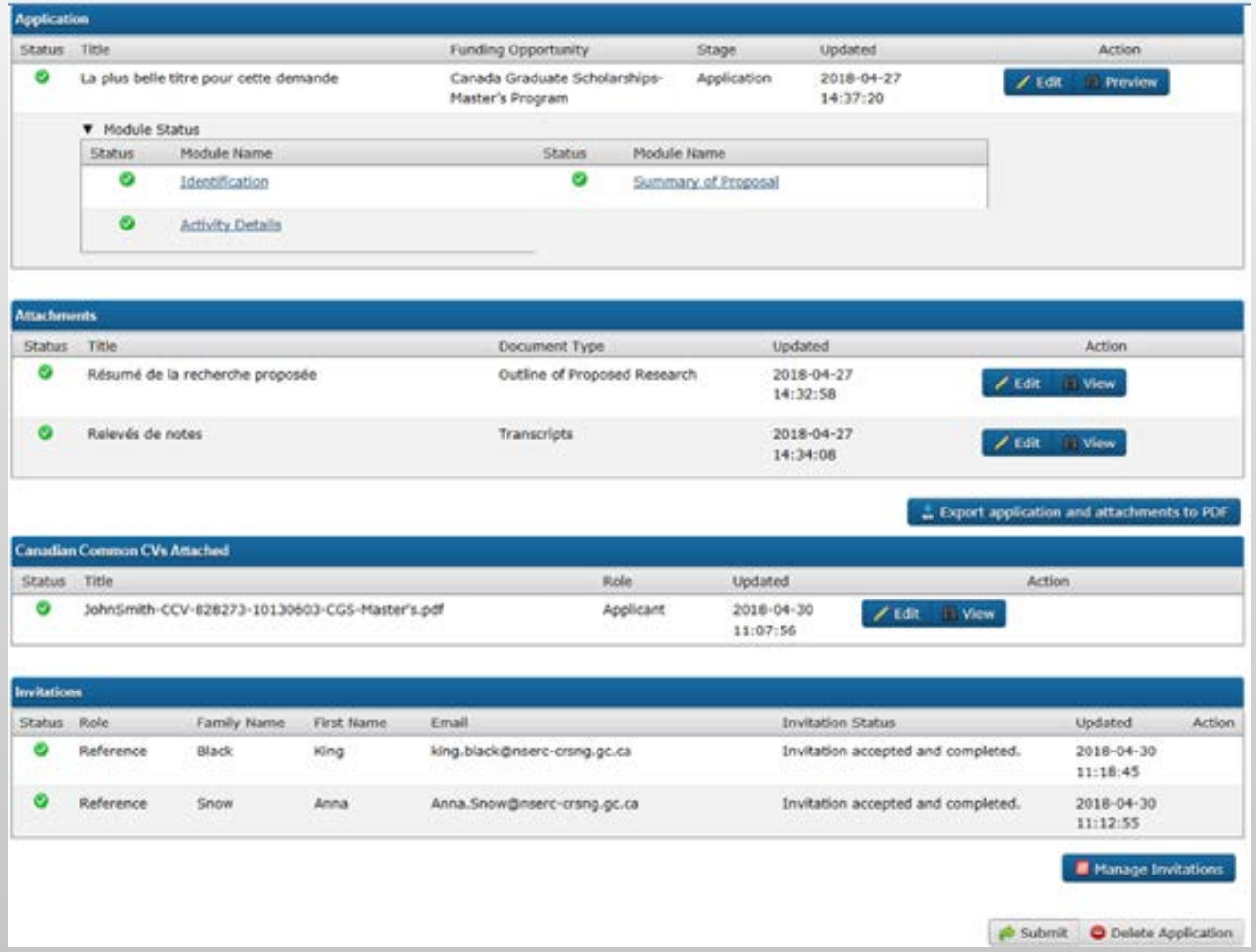
Research Portal – CCV confirmation number



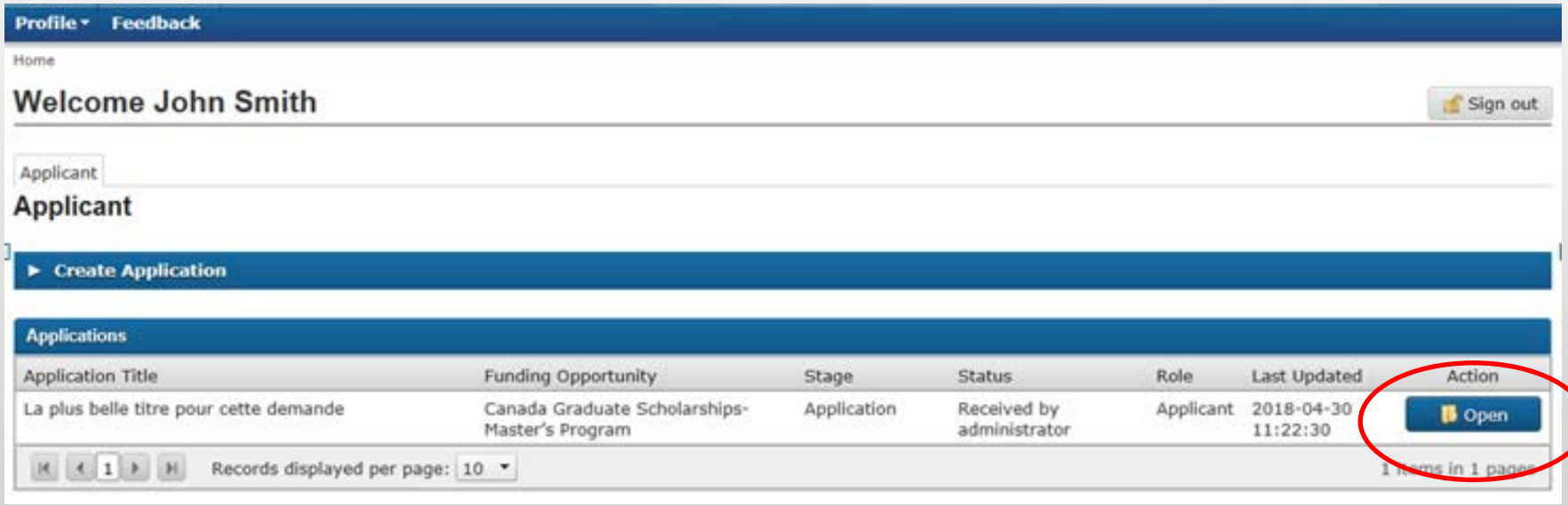
Research Portal – invitations



Research Portal – ready to submit



Research Portal – notification of results



CGS M – important reminders

- **Plan ahead**
- **Read the program documentation**
- **Allow enough time for your references to complete their assessments**
- **Application deadline: December 1, before 8PM (ET)**
- **Results will be posted on the Research Portal as of April 1**

CGS M contact information

First point of contact should be the Faculty of Graduate Studies at the institution

- **CIHR: cgsma@cihr-irsc.gc.ca**
- **NSERC: schol@nserc-crsng.gc.ca**
- **SSHRC: fellowships@sshrc-crsh.gc.ca**

Postgraduate scholarships

NSERC Postgraduate Scholarships–Doctoral and Canada Graduate Scholarships–Doctoral

	PGS D	CGS D
Value and duration	**$21,000 per year for 2 or 3 years**	**$35,000 per year for 2 or 3 years**
Who can apply?	• Canadian citizens • Permanent residents of Canada	
Where can you hold the award?	• Canadian university • Foreign university **ONLY** if you already have at least one Canadian degree	• Canadian university
Eligibility as of December 31 of the year you apply	Master's to PhD: **0-24 months** in PhD Bachelor's to PhD (direct-entry): **4-36 months** in PhD	

Selection criteria and weightings

Selection criterion	Weighting (%)
Academic excellence	30
Research ability or potential	50
Communication, interpersonal and leadership abilities	20
TOTAL	100

36

Where do you apply and when?

- **Apply through your current institution if:**
  - You are currently registered at, or are on an approved leave of absence from, a Canadian institution a degree program

- **Apply through the institution where you were registered if:**
  - You are not currently registered at an institution or are registered, but not in a degree program, and you graduated from a degree program from a Canadian institution during the calendar year in which you are applying

Deadline: verify with your institution!

Where do you apply and when?

Apply directly to NSERC ONLY if:

- You are currently registered at a foreign institution
- You are not currently registered at a institution or are registered, but not in a degree program, and you graduated from a degree program prior to January of the year of application

Deadline: Applications must be received electronically by 8 PM (ET) on October 15

What happens to your application at your institution?

You submit your application electronically by the institution deadline

SLO gives read access to department/internal selection committees for their recommendation

Internal selection committees select applicants to fill NSERC quota

Institution forwards quota of applications electronically to NSERC

Institution informs students of their results in the internal selection process

What happens to your application at NSERC?

NSERC staff verify eligibility of applicant and proposed research

→

Members review applications

→

Final ranked list is produced

↓

Top-ranked applicants are offered CGS D

PGS D offered to next group of meritorious applicants

→

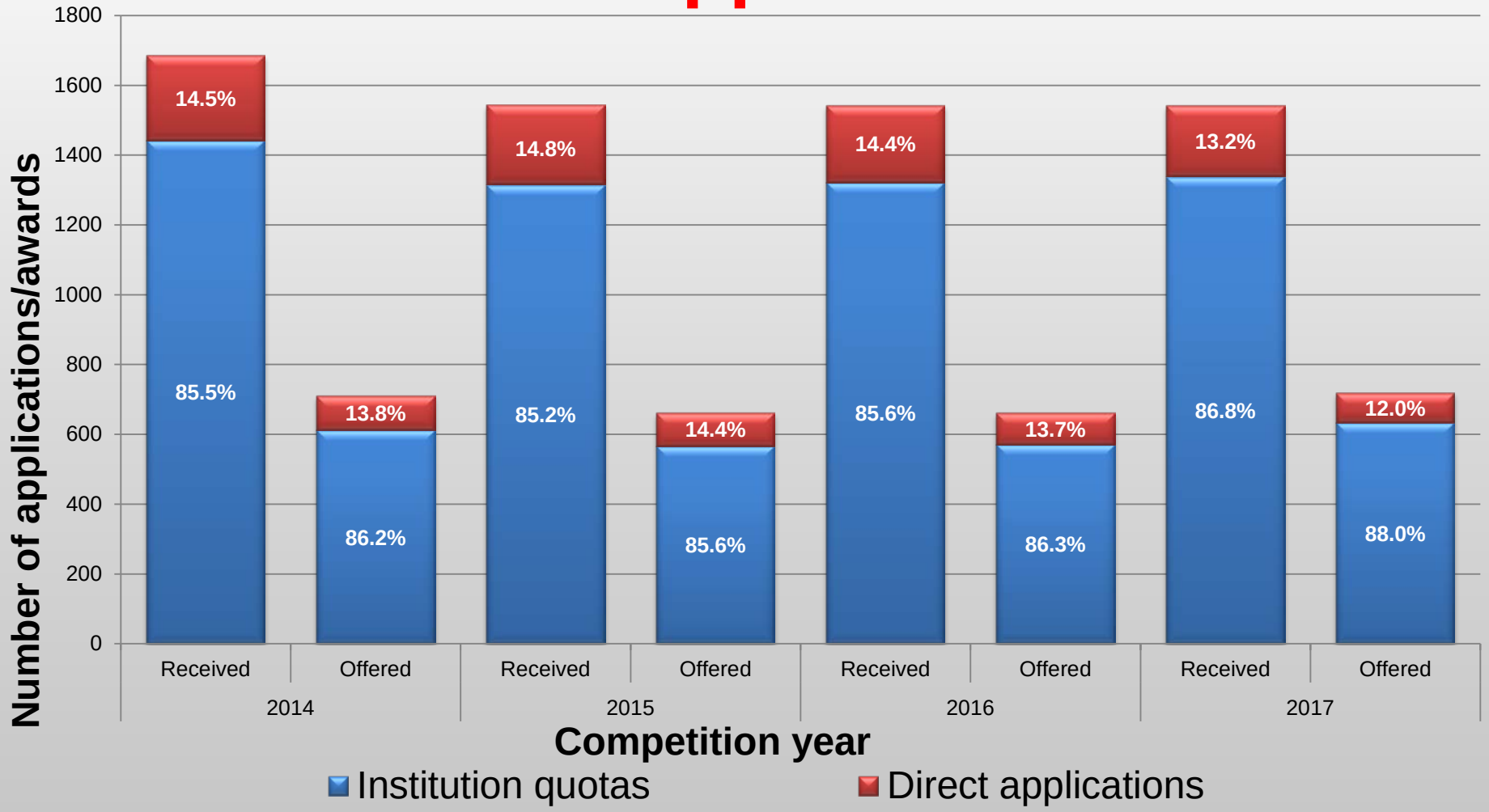
Results are announced by email by the end of March

Scholarships and fellowships selection committees

Cellular and molecular biology	Evolution and ecology
Chemical, biomedical, and materials science engineering	Mathematical sciences
Chemistry	Mechanical engineering
Civil and industrial engineering	Physics and astronomy
Computing sciences	Plant and animal biology
Earth sciences	Psychology
Electrical engineering	

IMPORTANT: The research subject code you select in your application will determine your selection committee. Your application may be transferred to another selection committee if it is deemed more appropriate.

PGS D / CGS D application statistics



Vanier Canada Graduate Scholarships

	Vanier CGS
Value	**$50,000 per year for three years**
Open to:	• Canadian citizens • Permanent residents of Canada • Foreign citizens
Minimum average	First-class average in each of the last two years of completed study (full-time equivalent) as determined by your institution
How and when do I apply?	You must be nominated by a Canadian institution with a Vanier CGS quota; institutional nomination to NSERC by October 31, 2018 at 8 PM (ET)*
When are awards announced?	April

**** Contact your faculty of graduate studies for the institution-specific deadline***

Canada Graduate Scholarships – Michael Smith Foreign Study Supplements

	CGS-MSFSS
Value:	Up to $6,000 (covers travel, living and other non-research related costs)
Open to:	• Canadian citizens or permanent residents of Canada • registered at an eligible Canadian institution
Requirements:	• must have accepted or hold a CGS (Master's or Doctoral) or Vanier CGS (if eligible) • must not have accepted a previous CGS-MSFSS
How to apply:	Applications are submitted through your institution
Duration:	2 to 6 months

**** Contact your faculty of graduate studies for the institution-specific deadline***

Foreign Study Supplements in Taiwan

	FSS Taiwan
Deadline:	February 1
Value:	CAD $4,600 from NSERC and TWD 41,000 from Ministry of Science and Technology in Taiwan (MOST)
Requirements:	• you must hold an active NSERC PGS, CGS or Vanier CGS; **or** • your academic supervisor must hold an active NSERC Discovery Grant, Collaborative Research and Training Experience (CREATE) Grant or Strategic Partnership Grant; **and** • you must be pursuing studies in natural sciences or engineering or both.
How to apply:	Apply directly to NSERC. Contact schol@nserc-crsng.gc.ca for application form and instructions.
Duration:	8 weeks (dates are set by MOST for the orientation session)

NSERC student ambassadors

- **Promotion of STEM to Canadian youth by Canadian youth**
- **To encourage post-secondary students and fellows to share their NSE experience with underrepresented youth (K-12)**
- **Outreach activity must be organized independently by the applicant**
- **NSERC pays $1,000 in support of event costs**

Aboriginal Ambassadors in the Natural Sciences and Engineering Award

	AANSE
Value	Up to $5,000 towards travel costs
To be eligible, you must:	• be a Canadian citizen or permanent resident of Canada • be an Aboriginal person* • be registered full-time in an NSE degree program at an eligible Canadian institution OR • be employed at an eligible institution as postdoctoral fellow in the NSE
How to apply:	• No deadline; Apply minimum 2 months prior to your visit. • Consult AANSE webpage.
Minimum average for students:	B or B- (or equivalent) over the last year (minimum 2 terms)

** NSERC uses the Canadian Constitution Act, 1982 definition of Aboriginal peoples as including the Indian, Inuit, and Métis peoples of Canada.*

Postdoctoral fellowships

NSERC Postdoctoral Fellowships

	PDF
Value and duration	• $45,000 per year for two years
When and how to apply	• By 8 PM (ET) on October 15 • NSERC Online System
Who can apply?	• Canadian citizens • Permanent residents of Canada
Where can you hold the award?	• Canadian universities • Provincial research institutions in Canada • Other appropriate research laboratory in Canada • Universities and research centres abroad (**PhD must be from Canadian institution**)
What is the eligibility window?	• PhD must have been completed after October 15, 2016 (some exceptions)
When are awards announced?	• Mid-January 2019

Selection criteria and weightings

Selection criterion	Weighting (%)
Academic excellence	n/a
Research ability or potential	70
Communication, interpersonal and leadership abilities	30
TOTAL	100

NOTE: You can only apply once to the PDF program

What happens to your PDF application at NSERC?

NSERC staff verify eligibility of applicant and proposed research

→

Members review applications

→

Top-ranked applicants are discussed at fellowships review meeting

(larger selection committees may pre-award some applications)

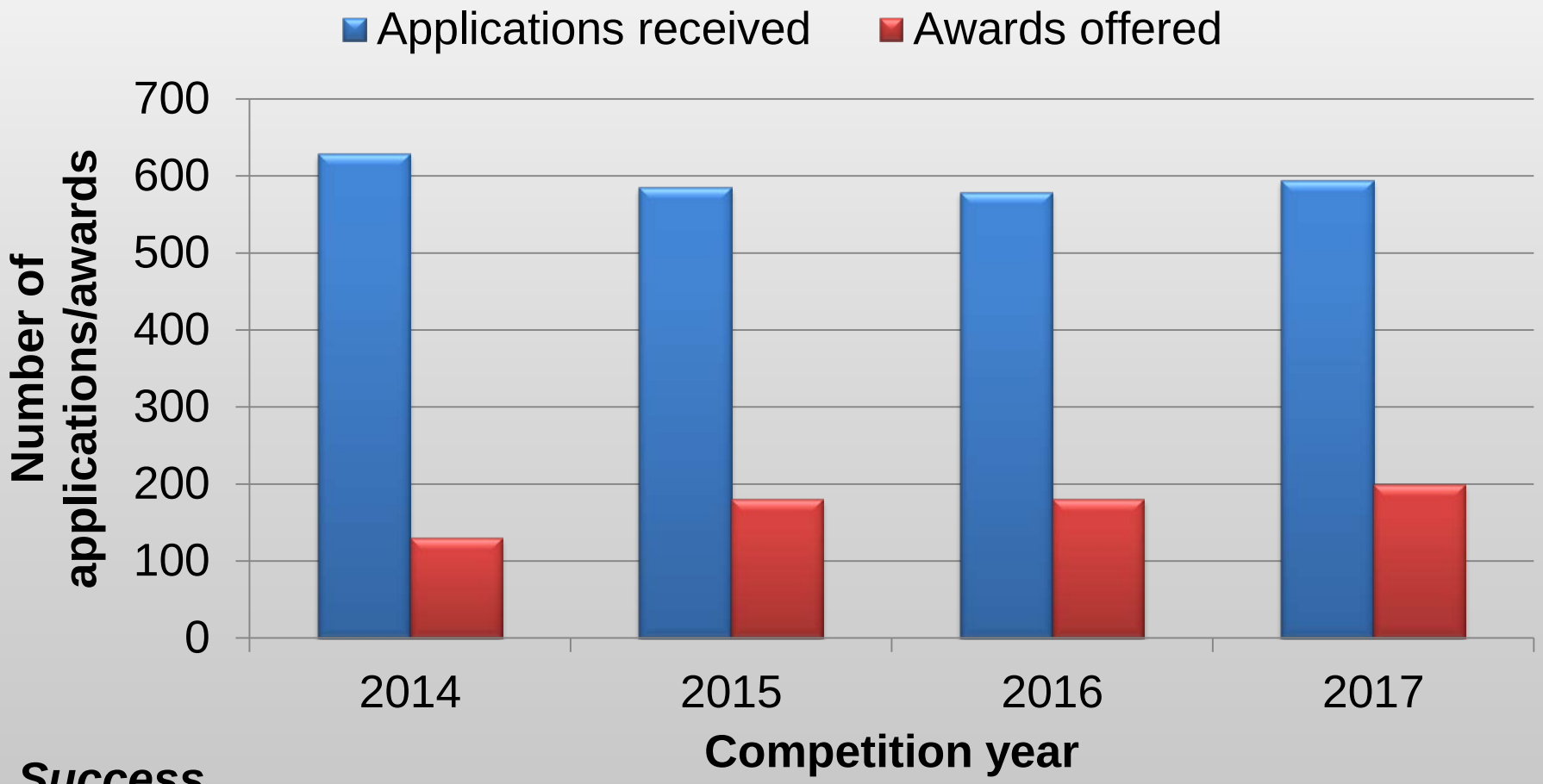
↓

Final ranked list is produced

→

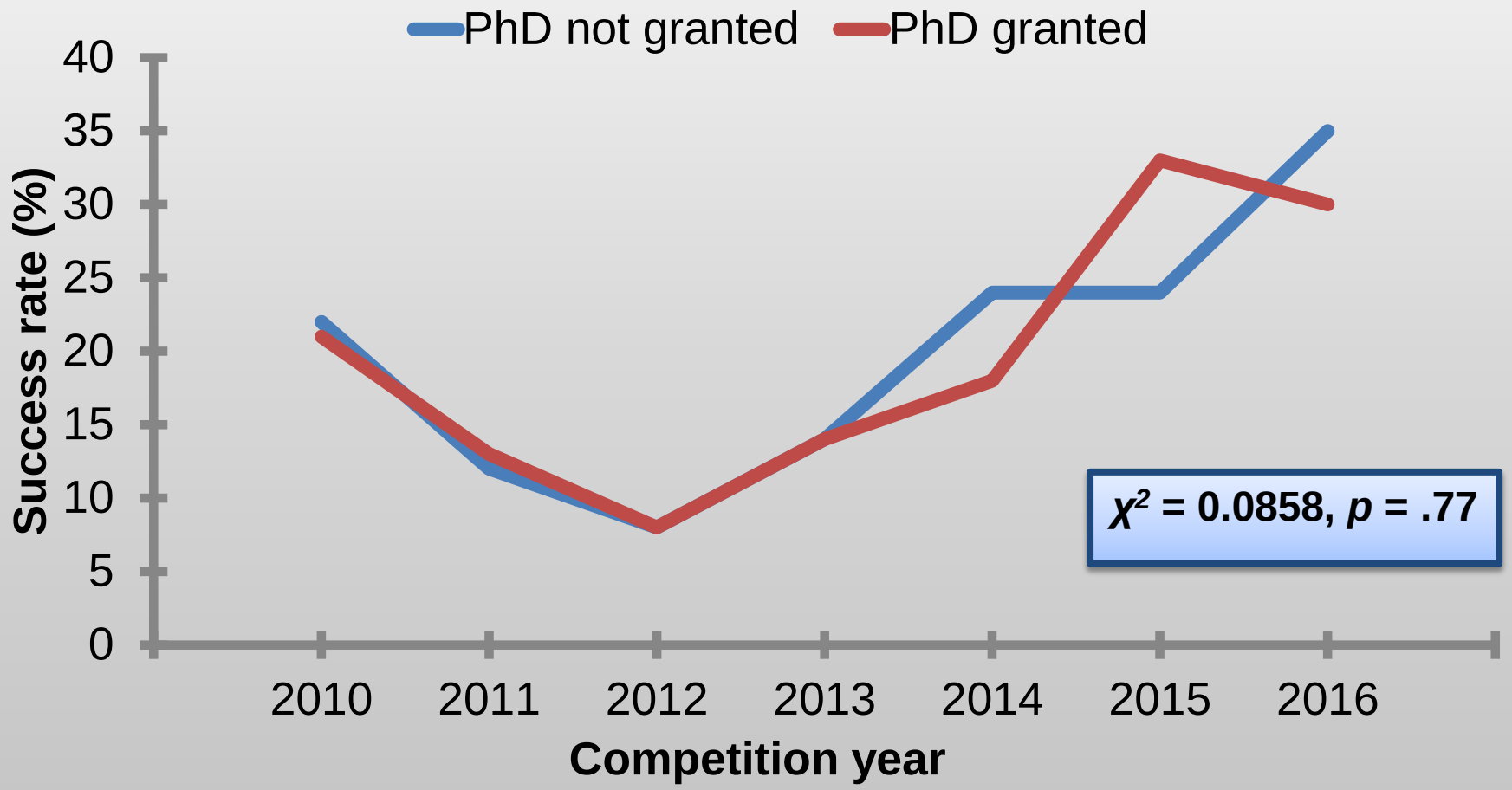
Results are announced in January

PDF application statistics



	2014	2015	2016	2017
Success rate	***20.7%***	***30.8%***	***31.1%***	***33.5%***

Should you apply during or after your PhD?



Banting Postdoctoral Fellowships

	Banting PDF
Value and duration	• $70,000 per year for two years
When and how to apply?	• By 8 PM (ET) on September 19, 2018 • ResearchNet
Who can apply?	• Canadian citizens • Permanent residents of Canada • Foreign citizens
Where can you hold the award?	• Canadian and foreign universities • Affiliated research hospitals, colleges and not-for-profit organizations with a strong research mandate and capacity
Selection criteria (weighted equally)	• Research excellence and leadership in the research domain • Quality of applicant's proposed research program • Institutional commitment and demonstrated synergy between applicant and institutional strategic priorities

Japan Society for the Promotion of Science - Postdoctoral Fellowships

	JSPS PDF
Deadline	February 1
Value:	JSPS provides funding for airfare, monthly maintenance allowance, settling-in allowance and travel insurance.
Duration:	12 to 24 months
When and how to apply?	Apply directly to NSERC. Contact schol@nserc-crsng.gc.ca for application form and instructions.
To be eligible, you must:	• be a Canadian citizen or permanent resident of Canada • You must have completed all requirements of your first doctoral degree no more than six years before the application deadline.
Additional details:	http://www.jsps.go.jp/english/e-ippan/index.html

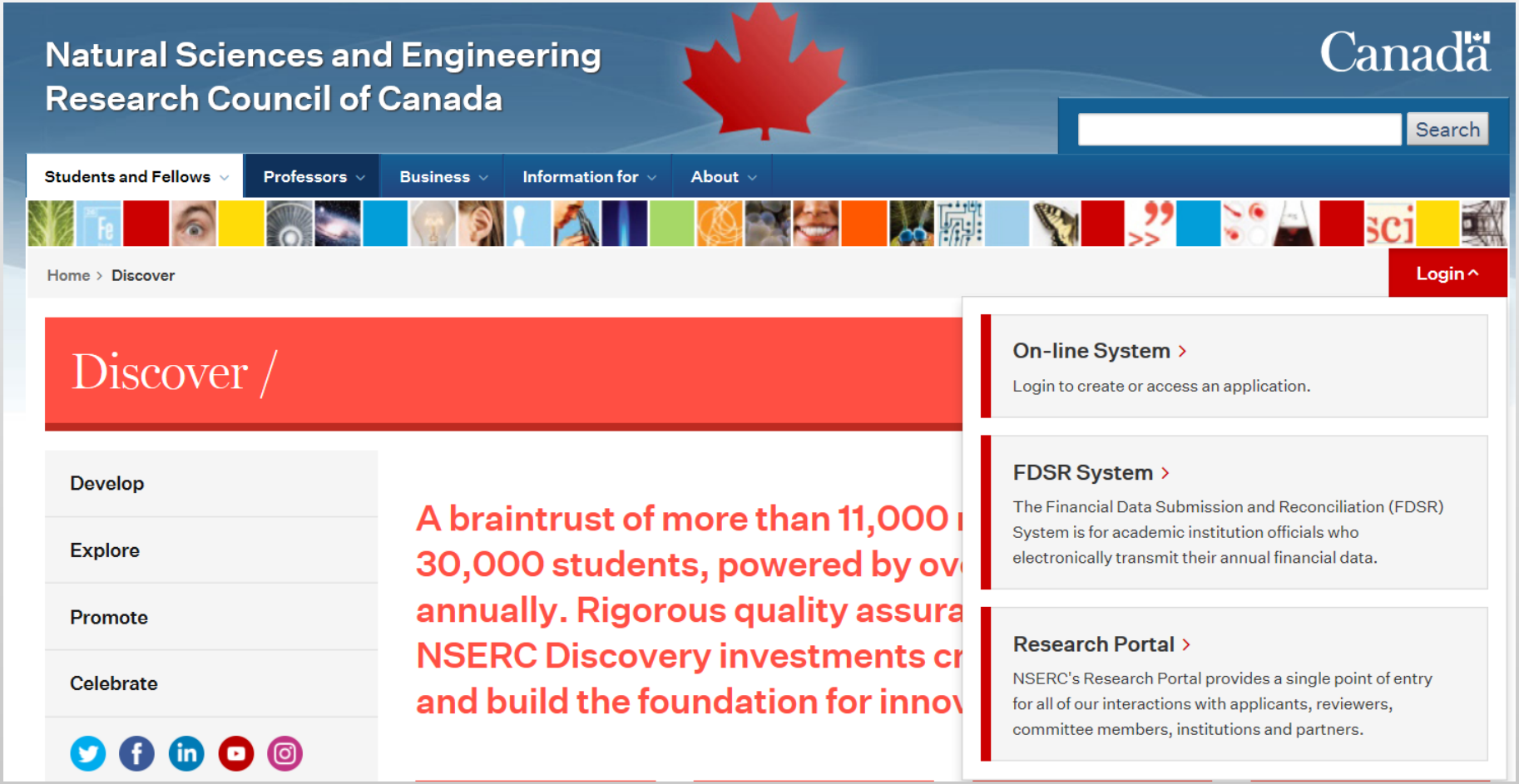
CMHC - NSERC PDF

- New fellowship launched by NSERC and the Canada Mortgage Housing Corporation
- Value $45,000 per year for 2 years
- 2 awards in all priority areas of the National Housing Strategy, 2 awards for research on Indigenous housing
- Apply for NSERC PDF by the deadline date
- Submit justification

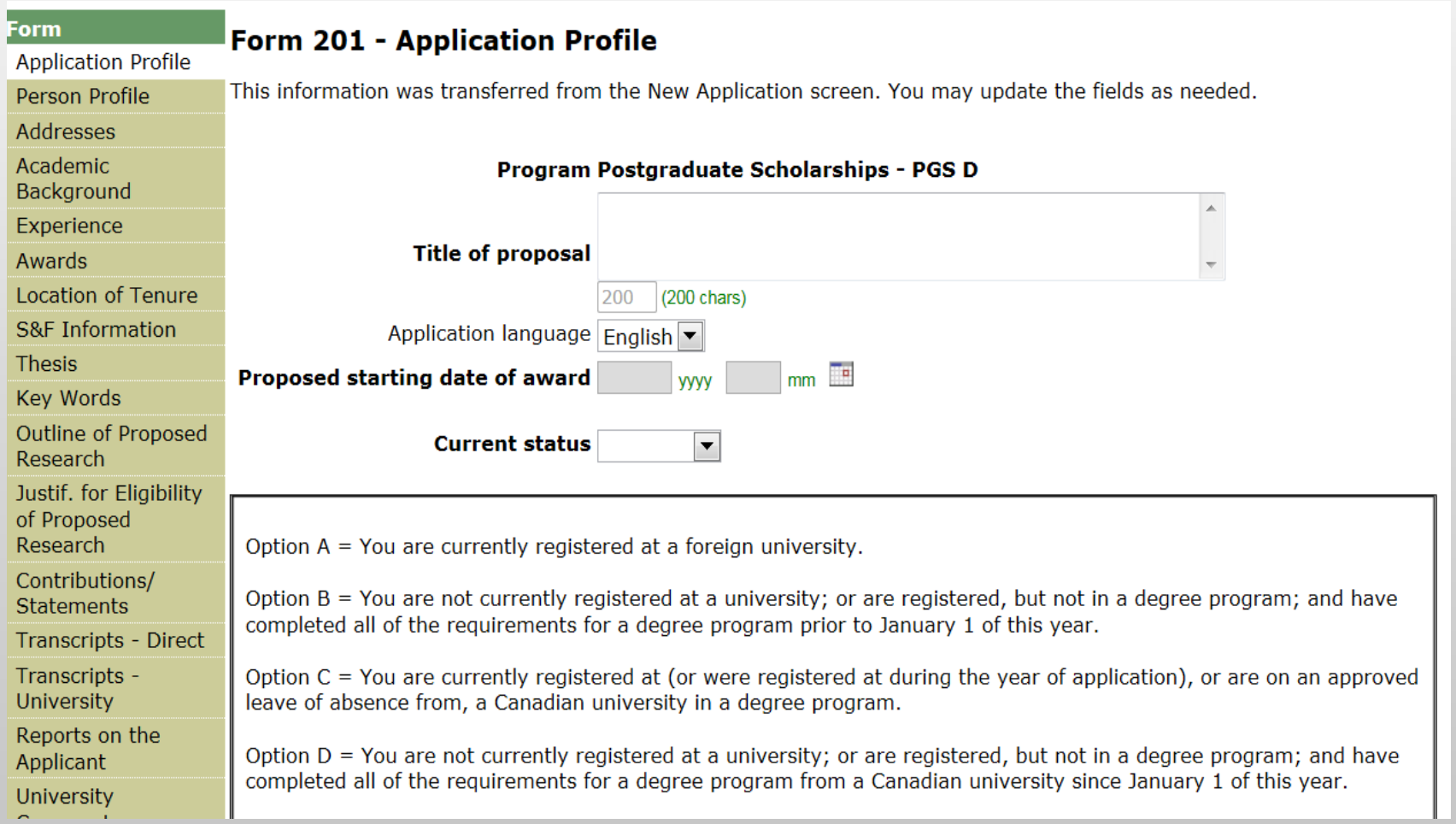
How to apply

Completing Form 201 – application for a postgraduate scholarship or a postdoctoral fellowship

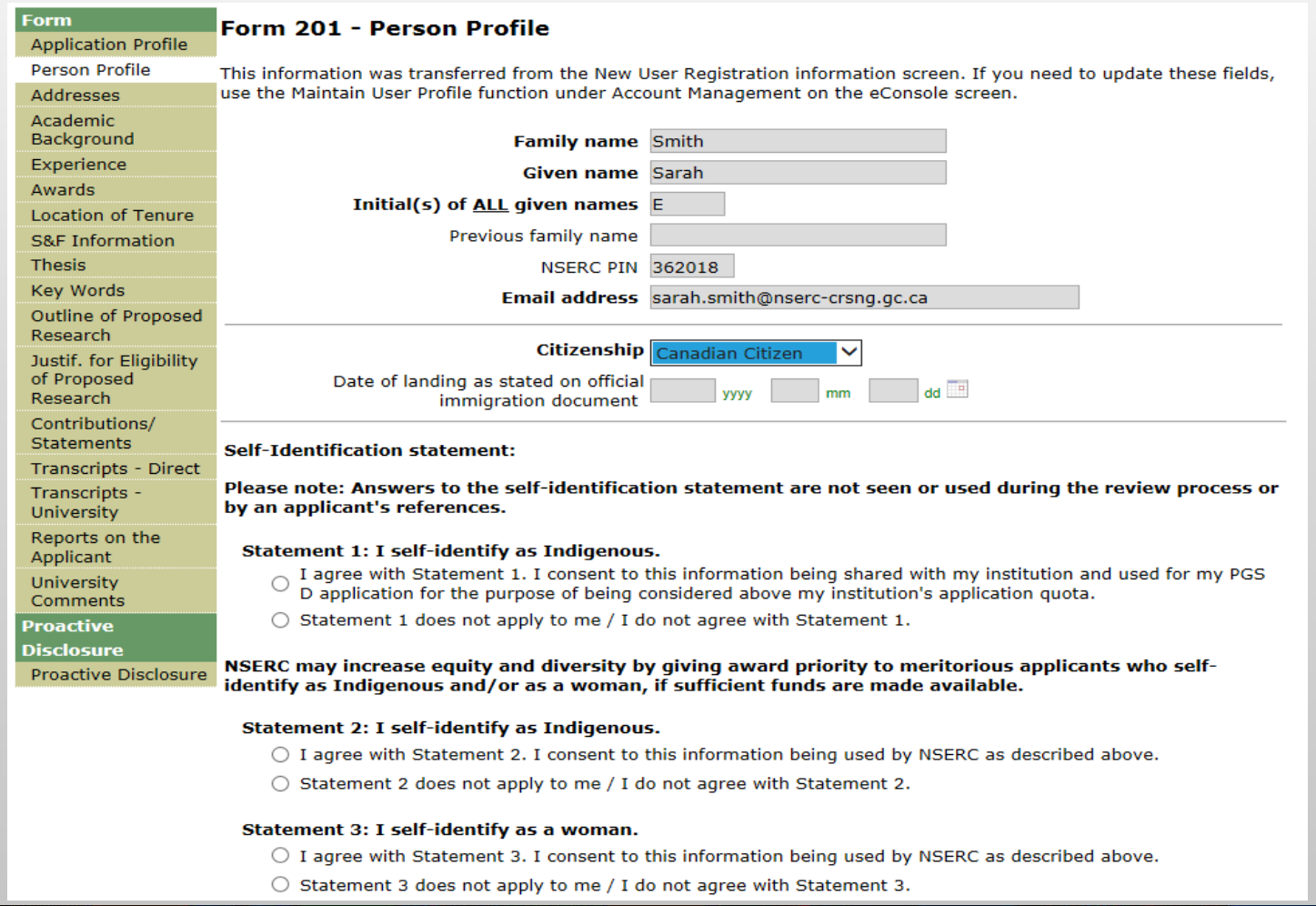
Online system



Form 201 – application profile



Form 201 – person profile



Form
- Application Profile
- Person Profile
- Addresses
- Academic Background
- Experience
- Awards
- Location of Tenure
- S&F Information
- Thesis
- Key Words
- Outline of Proposed Research
- Justif. for Eligibility of Proposed Research
- Contributions/ Statements
- Transcripts - Direct
- Transcripts - University
- Reports on the Applicant
- University Comments

Proactive Disclosure
- Proactive Disclosure

Form 201 - Person Profile

This information was transferred from the New User Registration information screen. If you need to update these fields, use the Maintain User Profile function under Account Management on the eConsole screen.

Family name Smith
Given name Sarah
Initial(s) of ALL given names E
Previous family name
NSERC PIN 362018
Email address sarah.smith@nserc-crsng.gc.ca

Citizenship Canadian Citizen
Date of landing as stated on official immigration document yyyy mm dd

Self-Identification statement:

Please note: Answers to the self-identification statement are not seen or used during the review process or by an applicant's references.

Statement 1: I self-identify as Indigenous.
- I agree with Statement 1. I consent to this information being shared with my institution and used for my PGS D application for the purpose of being considered above my institution's application quota.
- Statement 1 does not apply to me / I do not agree with Statement 1.

NSERC may increase equity and diversity by giving award priority to meritorious applicants who self-identify as Indigenous and/or as a woman, if sufficient funds are made available.

Statement 2: I self-identify as Indigenous.
- I agree with Statement 2. I consent to this information being used by NSERC as described above.
- Statement 2 does not apply to me / I do not agree with Statement 2.

Statement 3: I self-identify as a woman.
- I agree with Statement 3. I consent to this information being used by NSERC as described above.
- Statement 3 does not apply to me / I do not agree with Statement 3.

Form 201 – person profile PGS D

Citizenship

Date of landing as stated on official immigration document yyyy mm dd

Self-Identification statement:

Please note: Answers to the self-identification statement are not seen or used during the review process or by an applicant's references.

Statement 1: I self-identify as Indigenous.

- I agree with Statement 1. I consent to this information being shared with my institution and used for my PGS D application for the purpose of being considered above my institution's application quota.
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NSERC may increase equity and diversity by giving award priority to meritorious applicants who self-identify as Indigenous and/or as a woman, if sufficient funds are made available.

Statement 2: I self-identify as Indigenous.

- I agree with Statement 2. I consent to this information being used by NSERC as described above.
- Statement 2 does not apply to me / I do not agree with Statement 2.

Statement 3: I self-identify as a woman.

- I agree with Statement 3. I consent to this information being used by NSERC as described above.
- Statement 3 does not apply to me / I do not agree with Statement 3.

Form 201 – person profile PDF

Citizenship

Date of landing as stated on official immigration document yyyy mm dd

Self-Identification statement:

Please note: Answers to the self-identification statement are not seen or used during the review process or by an applicant's references.

NSERC may increase equity and diversity by giving award priority to meritorious applicants who self-identify as Indigenous and/or as a woman, if sufficient funds are made available.

Statement 1: I self-identify as Indigenous.

- ○ I agree with Statement 1. I consent to this information being used by NSERC as described above.
- ○ Statement 1 does not apply to me / I do not agree with Statement 1.

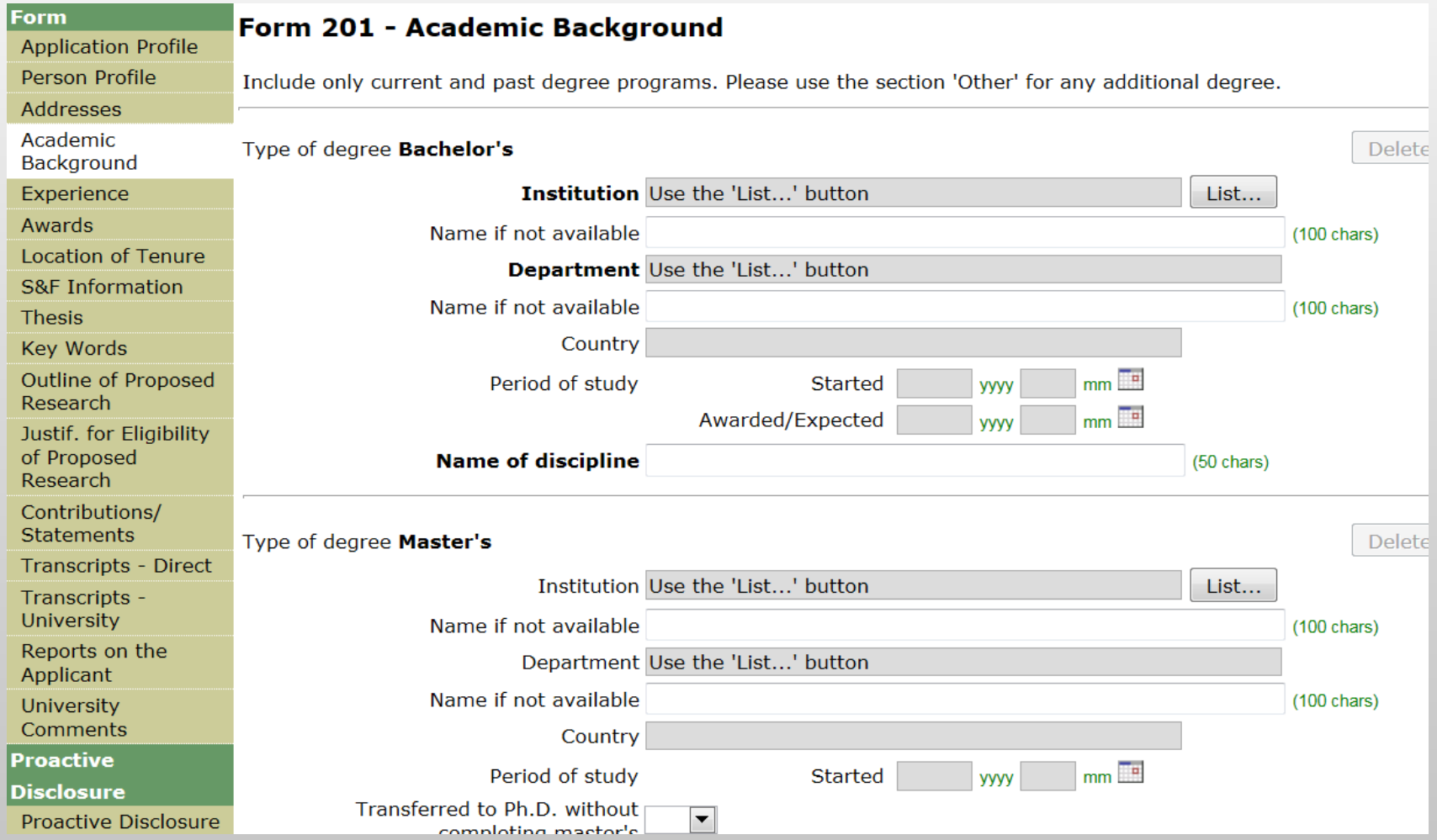
Statement 2: I self-identify as a woman.

- ○ I agree with Statement 2. I consent to this information being used by NSERC as described above.
- ○ Statement 2 does not apply to me / I do not agree with Statement 2.

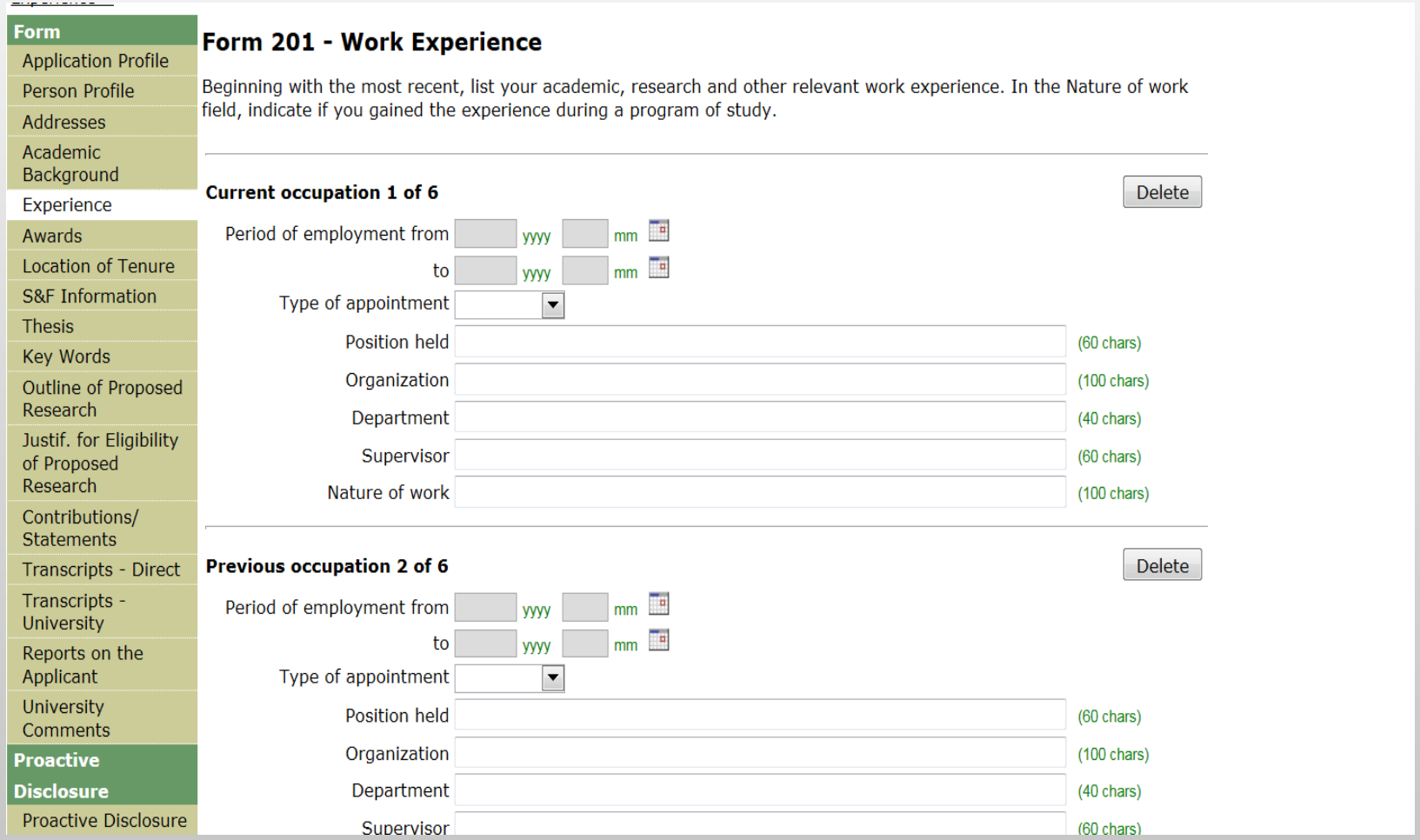
Statement 3: I self-identify as a woman.

- ○ I agree with Statement 3. I consent to this information being used for my PDF application for potential consideration for programs targeted at women (i.e. L'Oréal-UNESCO For Women in Science Supplement, and/or the Alice Wilson Award).
- ○ Statement 3 does not apply to me / I do not agree with Statement 3.

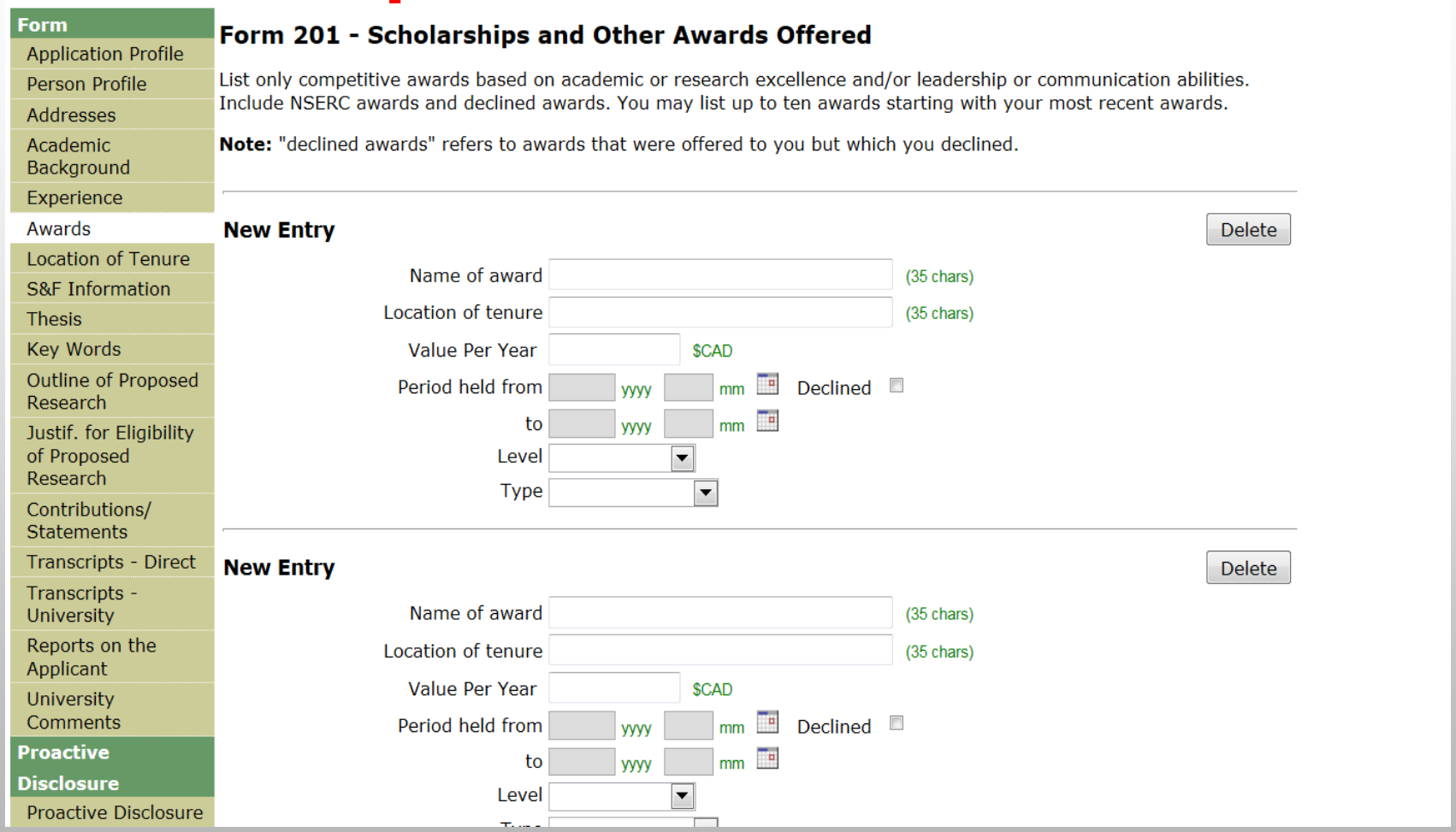
Form 201 – academic background



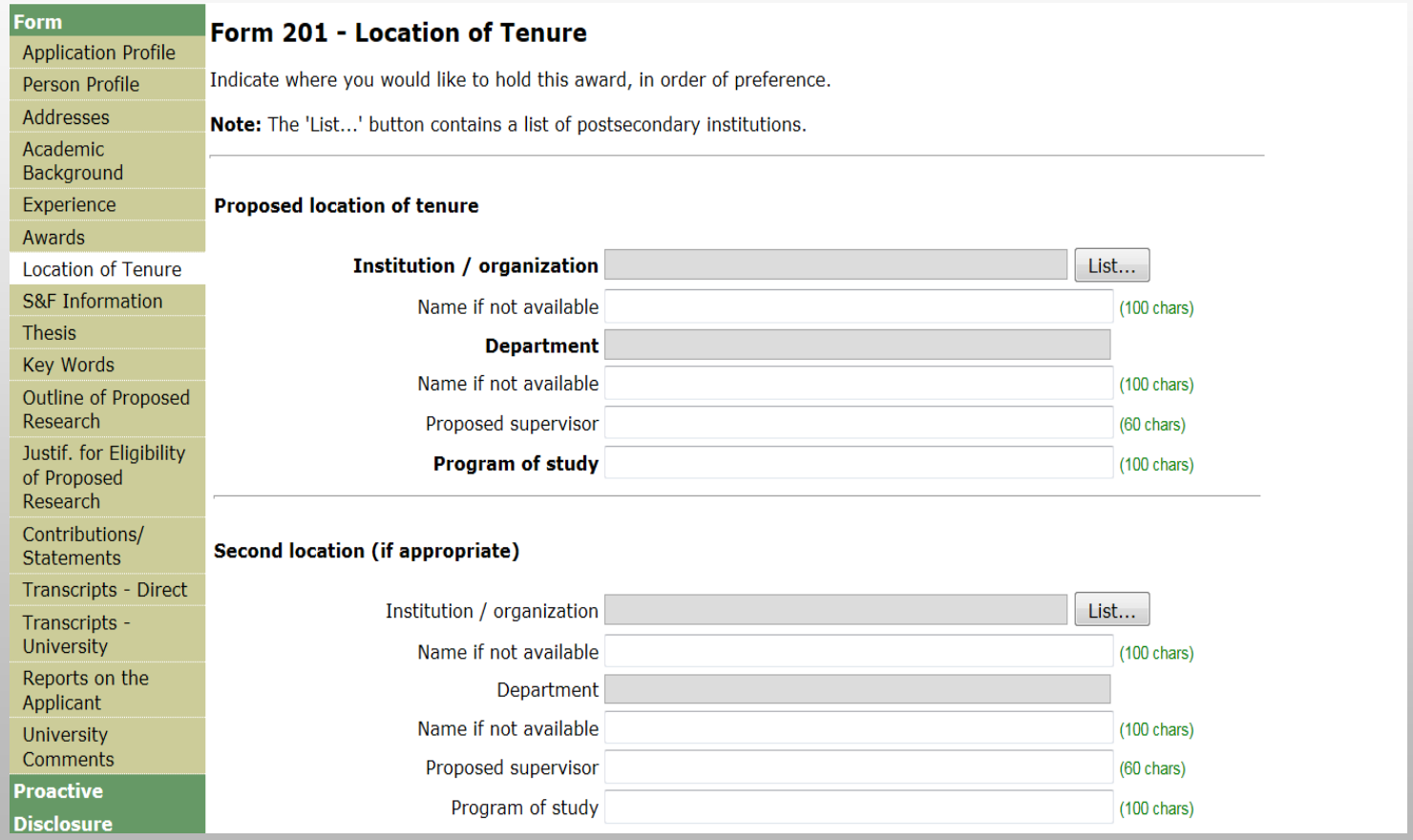
Form 201 – work experience



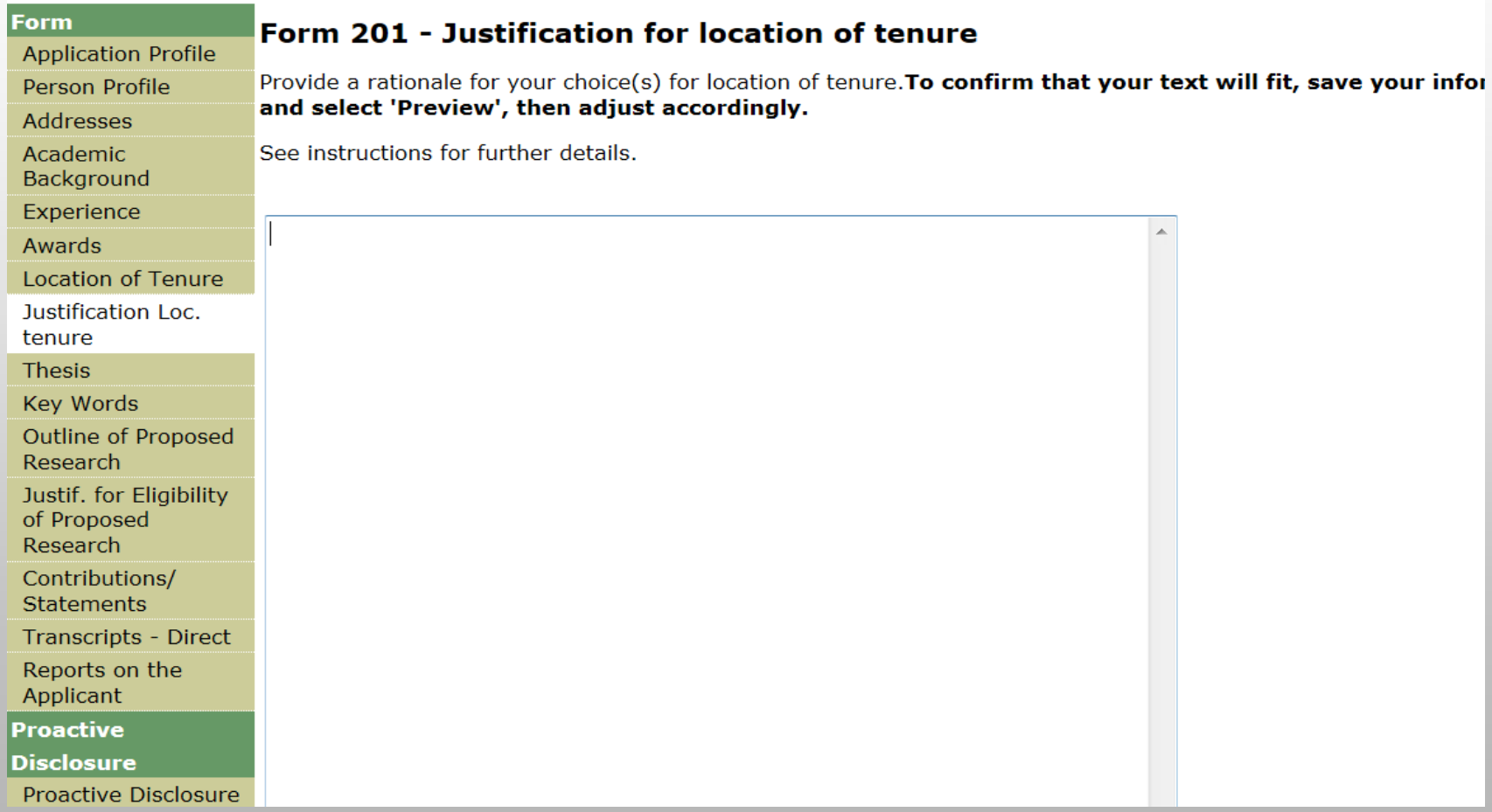
Form 201 – scholarships and other awards offered



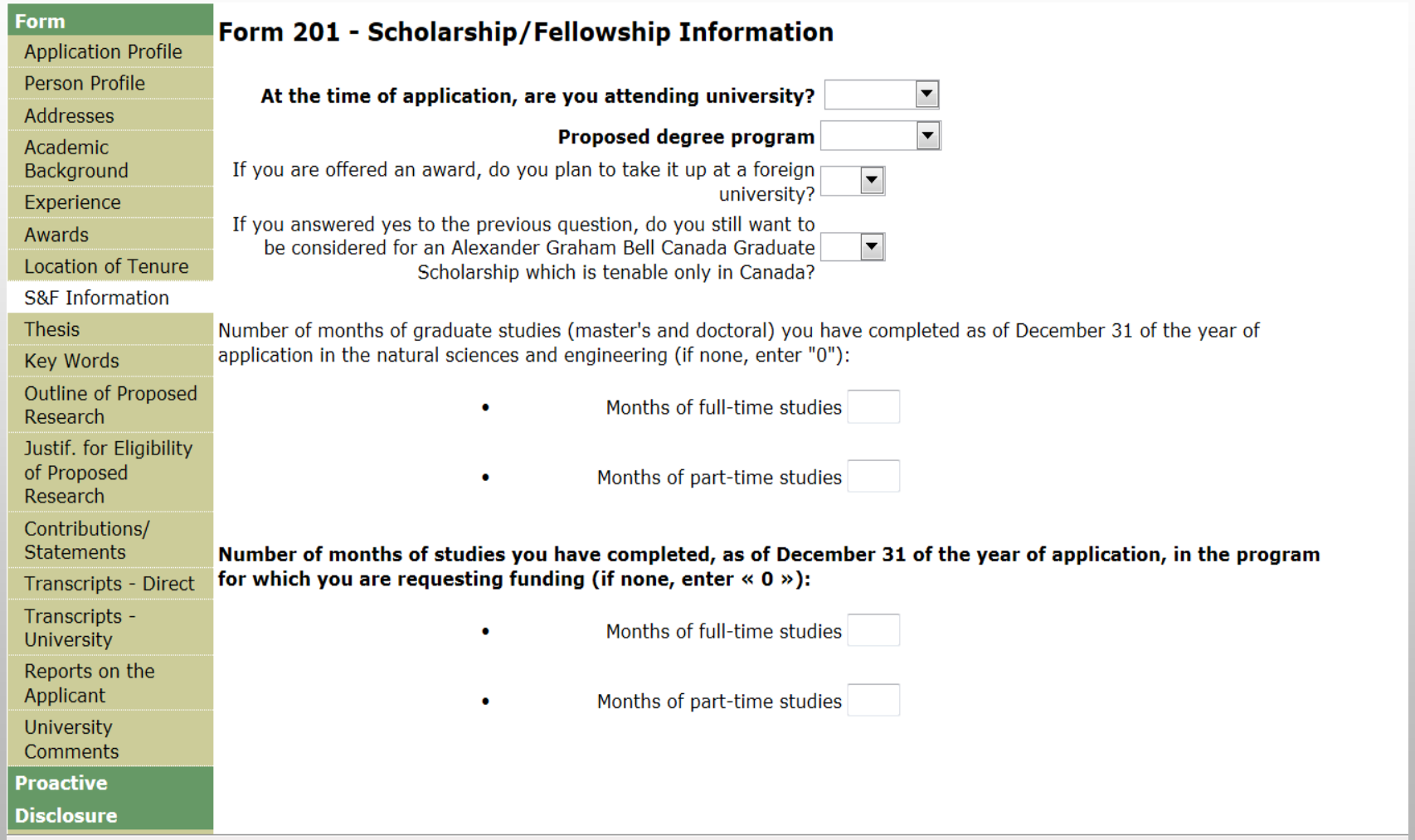
Form 201 – location of tenure



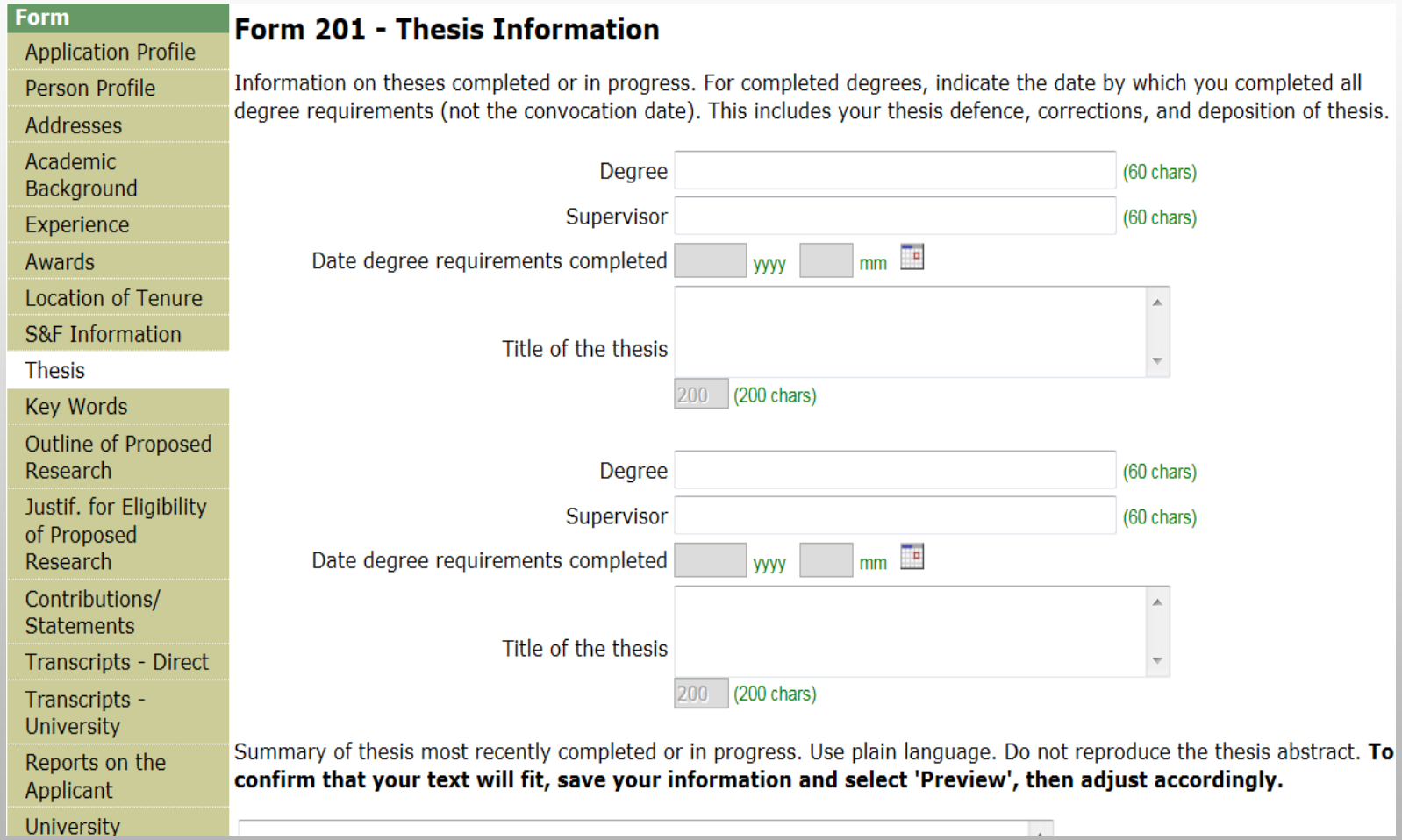
Form 201 – justification for location of tenure (PDF only)



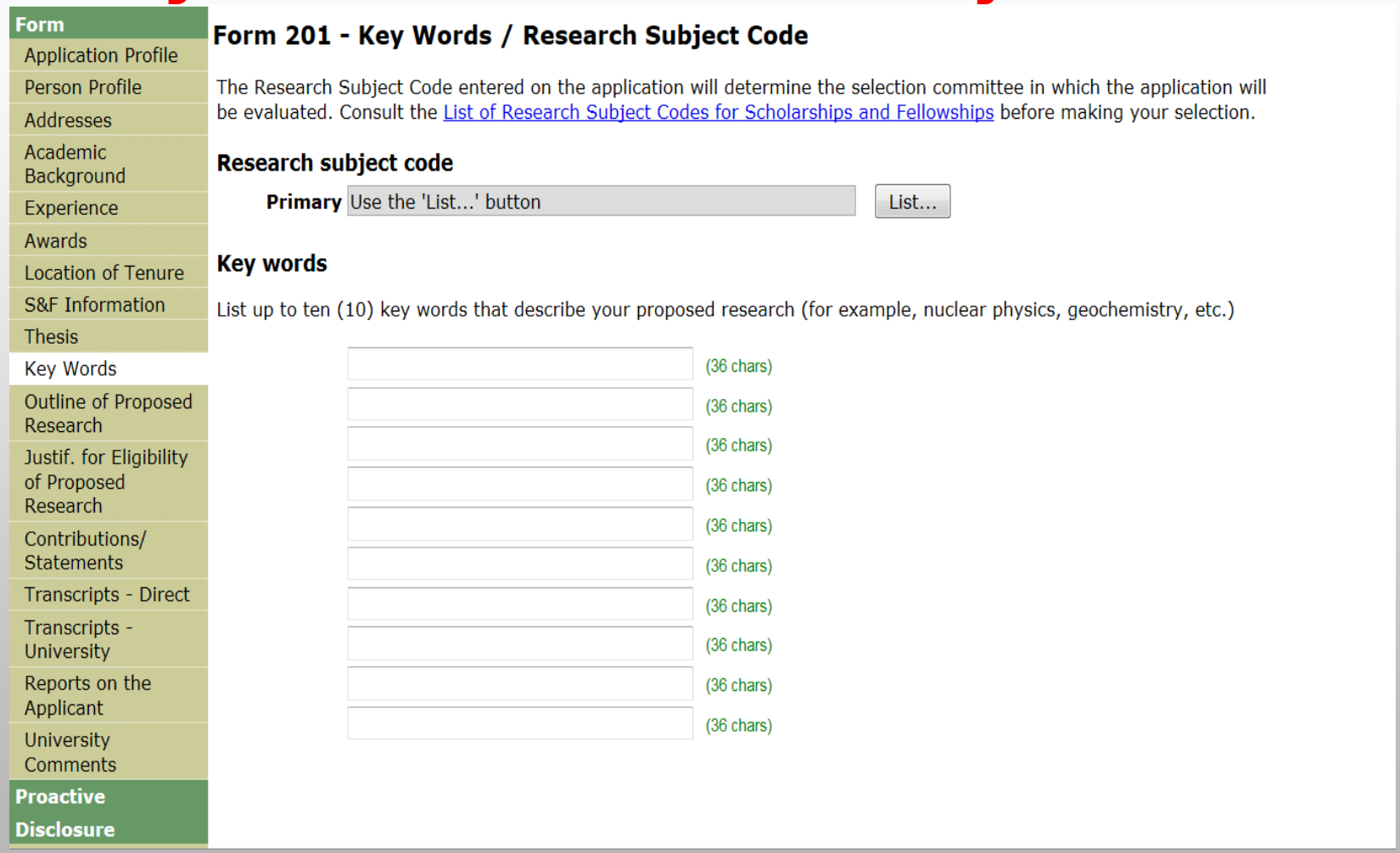
Form 201 – scholarship/fellowship information (PGS D/CGS D only)



Form 201 – thesis information



Form 201 – keywords/research subject code



Advice and tips on completing Form 201

Tips on applying for an NSERC scholarship or fellowship

Selection committee member presentation

and/or

video

https://www.youtube.com/watch?v=GvUsRO9ZB8E

General (but important!) tips

Read the program description

Read the application instructions

Read the selection committee guide

What makes a good research proposal?

- **Write the proposal yourself**
- **Be as clear as possible**
- **Describe the objectives, hypothesis, experimental approach, methods, significance, etc.**
- **Clearly explain the significance to the NSE**
- **Make your proposal understandable for all members (consider their broad range of expertise)**
- **Do not repeat info from the thesis section (you can refer to it)**
- **Focus on what you will be working on during the tenure of the award**
- **Describe how EDI is considered in the research plan and design, if applicable (see *Guide for Applicants*)**
- **Maximum of one page in length (including references)**

Making sure your research and your program are eligible at NSERC

- **Major challenges must lie in the natural sciences and engineering (NSE), other than the health sciences**
- **Consult NSERC's eligibility criteria (guidelines and addendum)**
- **Applications containing research proposals that are not eligible under these guidelines may be rejected**
- **You can only apply to one agency per academic year**

Justifying the eligibility of your research

- **Complete the *justification for eligibility of proposed research* section if your research overlaps with health or social sciences**
- **used by NSERC staff to determine eligibility of your proposed research; not seen by the selection committee members**
- **use plain language to explain why you believe that your research is eligible at NSERC**
- **should not be another description of your research project**
- **should be a short explanation (a paragraph is fine, you do not need to use the whole page)**

Contributions and applicant's statement

Important to refer to instructions when completing this section!

- **Part 1: Articles published, accepted, submitted**
- **Part 2: Most significant contributions to R&D**
- **Part 3: Applicant's statement:**
  - **research experience**
  - **relevant activities**
  - **special circumstances**

Page limits: PGS D – 2 pages / PDF – 4 pages
No updates accepted once application is submitted

Things to watch out for when writing proposal/contributions/statement

- **Impact/importance of research not explained**
- **Repetitiveness throughout the application**
- **Citations**
  - **Missing recent relevant/important work in the area**
  - **Irrelevant articles included**
  - **Relying on secondary sources (lack of understanding)**
- **Contributions to research not properly highlighted**
- **Lack of focus or coherence**
- **Spelling mistakes**
- **Repetitiveness**
- **Too much modesty**
- **Convey your passion for the research you are doing!**

Transcripts

- **Follow the transcript guidelines in the Form 201 instructions; your application will be rejected if you do not adhere**
- **Transcripts must be:**
  - **up-to-date** (dated or issued in the current fall session or after the last term during which you were registered, even if there are no grades or updates)
  - **official** (issued by the Registrar's Office, not web transcripts)
  - **included for each program listed in your application** (for PDF, you only need your doctoral transcripts)
- **You are responsible for ensuring all transcripts have been uploaded according to the guidelines (even if your institution does the uploading)**

Reports on the applicant

- **Who should you ask to write your reports?**
  - **Your thesis supervisor**
  - **Another person familiar with your research and other abilities**
  - **Not your proposed supervisor (unless they have been or are currently your supervisor)**

- **How do you invite your references to complete the reports?**
  - **Enter their names and email addresses in the online system; the system will send them an email with instructions**
  - **Invite them well in advance of the deadline; your application cannot be submitted without these reports**

Where to get additional information

- **Resource videos**
  - **Tips on applying for an NSERC scholarship or fellowship**
  - **Demystifying the review process for NSERC scholarships and fellowships**
  - **CGS M instructions for completing the reference assessment form**
- **Program literature**
  - **Program guide for each program**
  - **Form 201 instructions**
  - **Selection committee guide**
  - **Tri-Agency research training award holder's guide**
- **See NSERC website for other opportunities and supplements**
- **Talk to your supervisor – you may have an opportunity to receive indirect support through their grant**

Contact information

- **NSERC scholarships and fellowships:**
  schol@nserc-crsng.gc.ca

- **Online services helpdesk:**
  webapp@nserc-crsng.gc.ca
  (613) 995-4273