

experiment sandbox: grant thinking



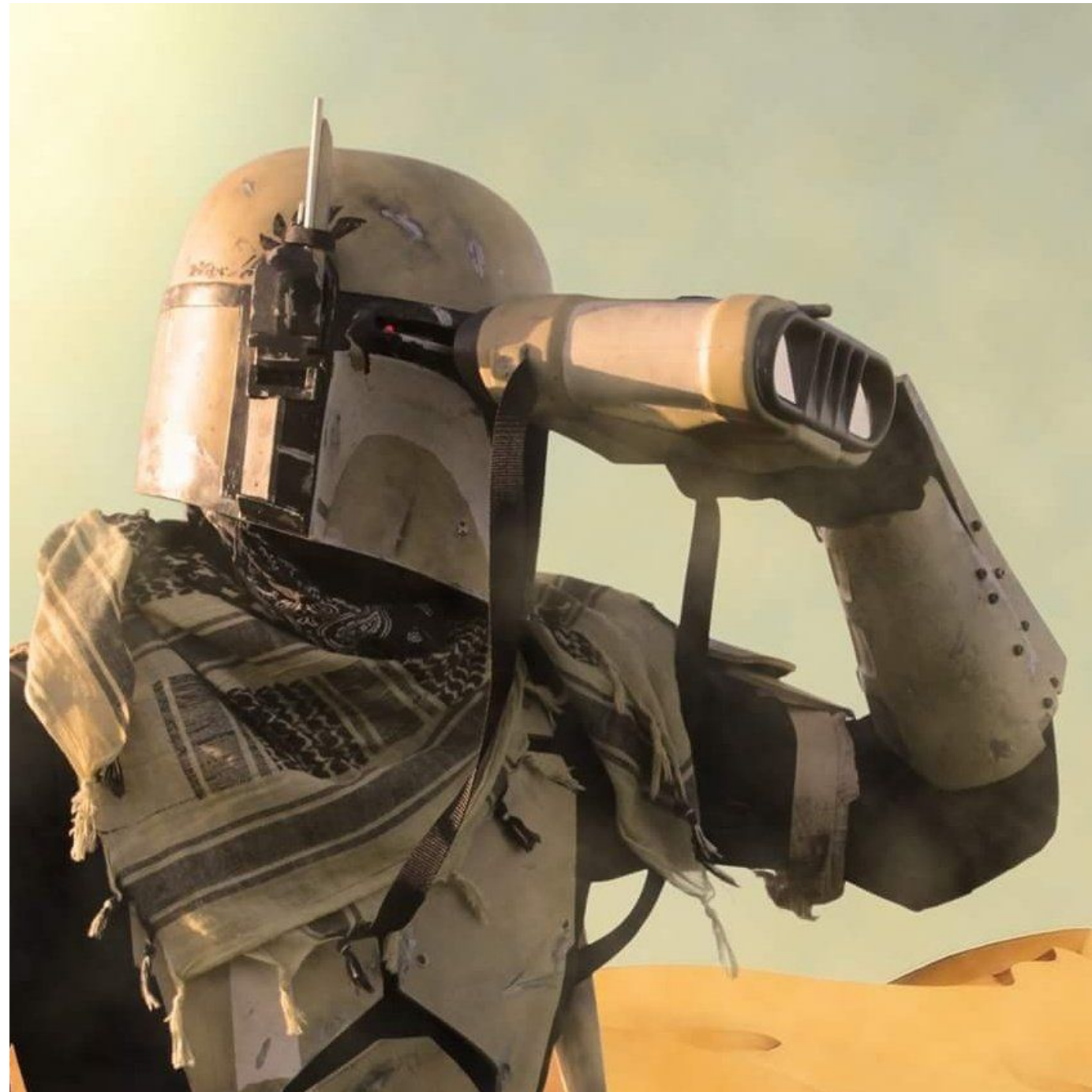
@cjlortie



link to a larger theme



include **sufficient** detail, but link at start and proposal end to societal **theme**



develop or at least propose a vision

**1** NO  
POVERTY



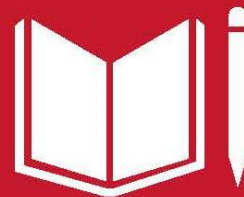
**2** ZERO  
HUNGER



**3** GOOD HEALTH  
AND WELL-BEING



**4** QUALITY  
EDUCATION



**5** GENDER  
EQUALITY



**6** CLEAN WATER  
AND SANITATION



**7** AFFORDABLE AND  
CLEAN ENERGY



**8** DECENT WORK AND  
ECONOMIC GROWTH



**9** INDUSTRY, INNOVATION  
AND INFRASTRUCTURE



**10** REDUCED  
INEQUALITIES



**11** SUSTAINABLE CITIES  
AND COMMUNITIES



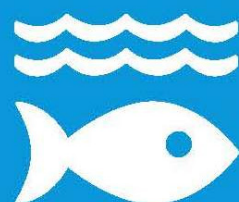
**12** RESPONSIBLE  
CONSUMPTION  
AND PRODUCTION



**13** CLIMATE  
ACTION



**14** LIFE  
BELOW WATER



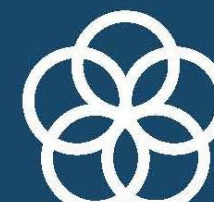
**15** LIFE  
ON LAND



**16** PEACE, JUSTICE  
AND STRONG  
INSTITUTIONS



**17** PARTNERSHIPS  
FOR THE GOALS



**SUSTAINABLE  
DEVELOPMENT  
GOALS**



# Global Mental Health Initiative





SPOTLIGHT ON

## WOMEN IN LEADERSHIP

Women remain underrepresented in leadership and management level positions in the public and private sectors. While quotas have been implemented to boost women's participation in politics and corporate boards, parity is far from reality.

### Politics

Proportion of women in national parliaments (single or lower house) globally

2000

13.2%

2017

23.4%

39%

of countries worldwide have used some form of quota system to increase women's representation in politics.

### Management

LESS THAN

1/3

of senior- and middle-management positions are held by women.\*



47%

of world business leaders say they are in favor of gender quotas on corporate boards.

\*Based on data for 68 countries from 2009 to 2015. Sources: Inter-Parliamentary Union (IPU), [www.ipu.org](http://www.ipu.org); ILO, 2017; International Business Report, 2015.



any and all fields of scientific inquiry  
address grand challenges with vision

*Research Management Review, Volume 18, Number 2*  
*Fall/Winter 2011*

# **Crafting a Sales Pitch for Your Grant Proposal**

vision = pitch



Criteria	Description	Weight
Academic excellence	<p>As demonstrated by past academic results, transcripts, awards and distinctions</p> <p>Indicators of academic excellence:</p> <ul style="list-style-type: none"> <li>■ academic record</li> <li>■ scholarships and awards held</li> <li>■ duration of previous studies</li> <li>■ type of program and courses pursued</li> <li>■ course load</li> <li>■ relative standing (if available)</li> </ul>	50%
Research potential	<p>As demonstrated by your research history, your interest in discovery, the proposed research, its potential contribution to the advancement of knowledge in the field and any anticipated outcomes</p> <p>Indicators of research potential:</p> <ul style="list-style-type: none"> <li>■ quality and originality of contributions to research and development</li> <li>■ relevance of work experience and academic training to field of proposed research</li> <li>■ significance, feasibility and merit of proposed research</li> <li>■ judgment and ability to think critically</li> <li>■ ability to apply skills and knowledge</li> <li>■ initiative and autonomy</li> <li>■ research experience and achievements relative to expectations of someone with your academic experience</li> </ul>	30%
Personal characteristics and interpersonal skills	<p>As demonstrated by the applicant's past professional and relevant extracurricular interactions and collaborations</p> <p>Indicators of personal characteristics and interpersonal skills:</p> <ul style="list-style-type: none"> <li>■ work experience</li> <li>■ leadership experience</li> <li>■ project management including organizing conferences and meetings</li> <li>■ ability or potential to communicate theoretical, technical or scientific concepts clearly and logically in written and oral formats</li> <li>■ involvement in academic life</li> <li>■ volunteerism/community outreach</li> </ul>	20%

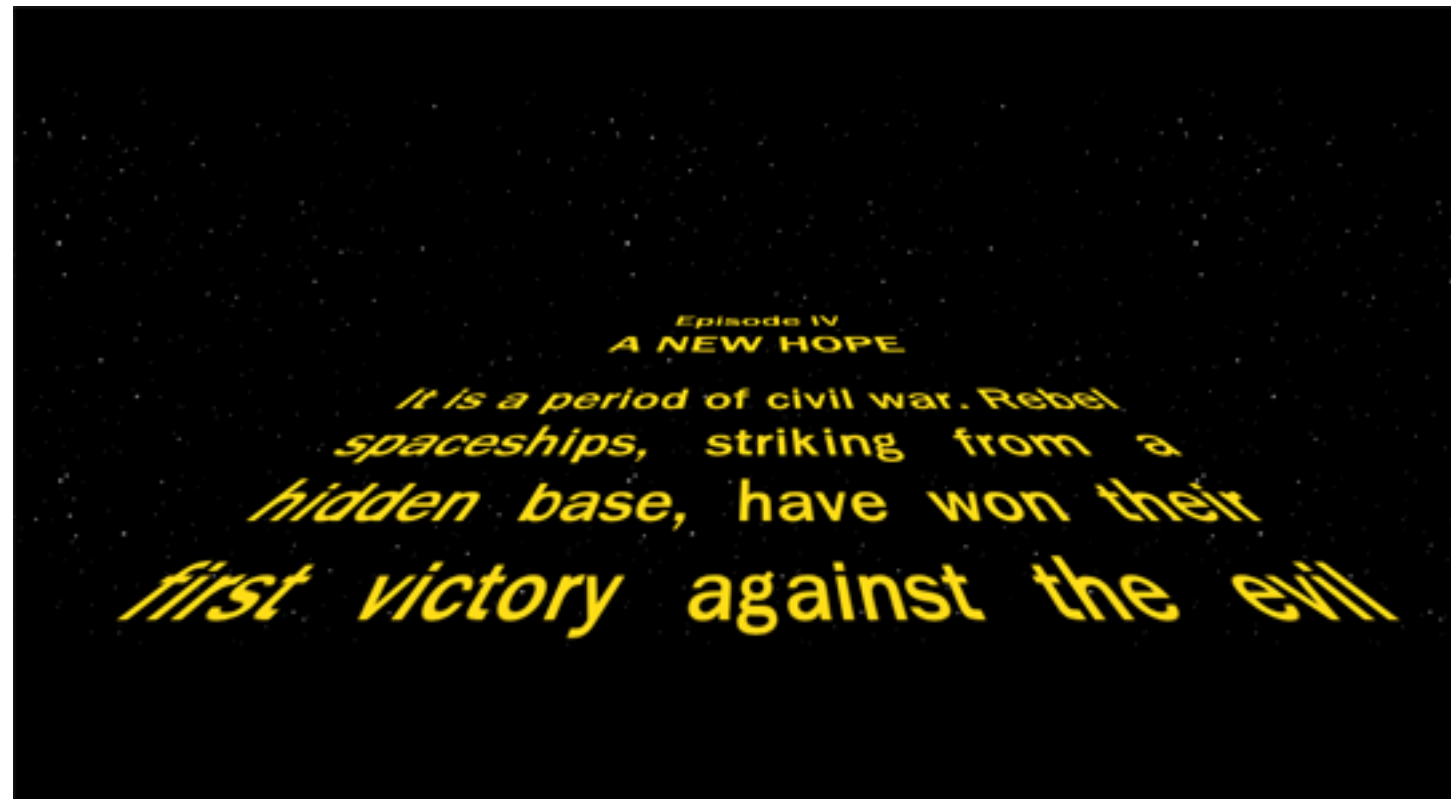
grants are almost  
always scored and ranked

finite funding,  
many apps

# Canadian research grant proposal in a rubric

page	concept	description	value
1	Title & summary	Title, your name, contact details, plain language summary < 300 words	5
2	Research Proposal	Single page, background, hypothesis, outline of design, methods, significance <a href="#">see research potential criterion at NSERC for guidance</a>	10
3	Lit cited	At least 5 studies published within last 5 years	5

what is in a 'title'





title

question  
key finding  
catchy/novel concept  
experimental design  
support/rejection

colon symbol  
humour  
declaration  
curiosity

plain language summary



like an abstract that brings all ideas in proposal together

plain language



reasonable complexity for a general audience,  
try for jargon free, focus on implication



research proposal is a very short story



background, hypothesis, outline of **design**, methods, significance

background  
hypothesis  
outline of **design**  
methods  
significance

why and what will be done  
explanation of functional science  
broad stroke **approach** (single-factor?)  
what will be done  
implications and your vision

research **potential**



quality & originality

relevance

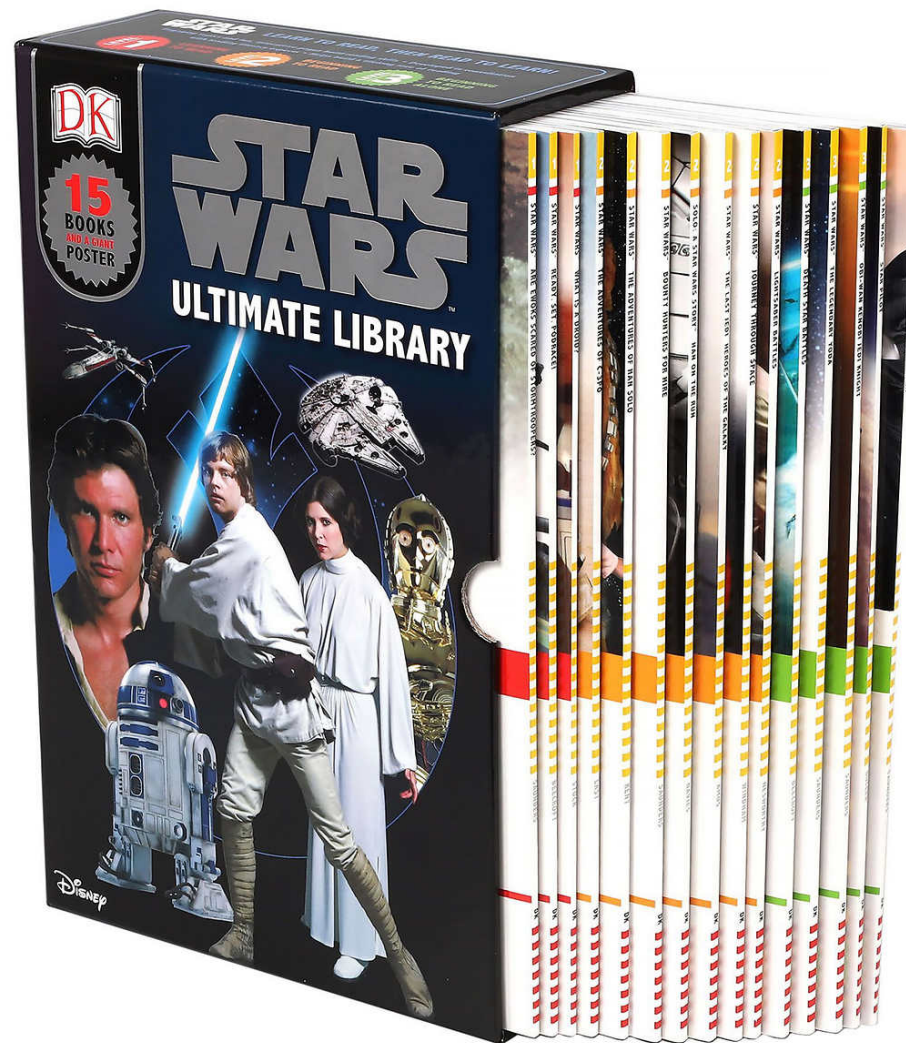
significance

feasibility and merit of proposed research

fit with existing science and/or specific lab



link to relevant literature



ideal and arbitrary is most recent 5 years

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DEVELOPING RESEARCH QUESTIONS THROUGH  
GRANT PROPOSAL DEVELOPMENT

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science is a process



hone your skills in developing structured and  
testable design questions