

Personal insights and reflections about ERC Starting Grant application

Matteo Campioli
2016 ERC StG Grantee

Presentation overview

- short about me – reasons my application
- ERC types of projects
- Tips & tricks written application
- Tips & tricks interview

Background

Background

- University of Antwerp – Department Biology

Background

- University of Antwerp – Department Biology
 - ecology, plant growth – ecosystem, biomass production, greenhouse effect, forestry – agriculture

Background

- University of Antwerp – Department Biology
 - ecology, plant growth – ecosystem, biomass production, greenhouse effect, forestry – agriculture
- FWO post-doc: 2012-2018 (15 y Belgium)

Background

- University of Antwerp – Department Biology
 - ecology, plant growth – ecosystem, biomass production, greenhouse effect, forestry – agriculture
- FWO post-doc: 2012-2018 (15 y Belgium)
- 02 Sep 2015: ERC info session
15 Jun 2016: ERC interview
01 Feb 2017: start project

Why I applied?

Why I applied?

- permanent position – own group (on my interest)

Why I applied?

- permanent position – own group (on my interest)

‘Extras’

- really challenging research question
- 1.5 euro: nice start ...
- CV much stronger (further funding etc.)
- credibility & reputation (opening doors ...)

My application context

My application context

- Realized relevance ERC: 3-4 y after PhD
 - Improve CV (2-3 extra y)
 - only 1 chance to apply (2016)

My application context

- Realized relevance ERC: 3-4 y after PhD
 - Improve CV (2-3 extra y)
 - only 1 chance to apply (2016)
- I did not have a ‘dream’ project – many interests
 - looked for most suitable project for ERC call

My application context

- Realized relevance ERC: 3-4 y after PhD
 - Improve CV (2-3 extra y)
 - only 1 chance to apply (2016)

Evaluation ERC

50% CV – 50% project
(it is said ...)

- I did not have a 'dream' interests
 - looked for most suitable project for ERC call

My application context

- Realized relevance ERC: 3-4 y after PhD
 - Improve CV (2-3 extra y)
 - only 1 chance to apply (2016)
- I did not have a 'dream' interests

Evaluation ERC
50% CV – 50% project
(it is said ...)

– looked for most suitable project for ERC call

Are there project types with higher chances of success than others? (big project is not enough ...) What about high risk – high gain? Paradigm shift? Etc.

TYPE OF ERC PROJECTS BASED ON MY EXPERIENCE

TYPE OF ERC PROJECTS BASED ON MY EXPERIENCE

- Global biomass production, climatic risks and societal impacts

TYPE OF ERC PROJECTS BASED ON MY EXPERIENCE

- Global biomass production, climatic risks and societal impacts

- *better smaller (focused) project based your experience than too big (broad) project with catchy title – realistic*

TYPE OF ERC PROJECTS BASED ON MY EXPERIENCE

- Global biomass production, climatic risks and societal impacts
- Plant growth efficiency and ecosystem management

- *better smaller (focused) project based your experience than too big (broad) project with catchy title – realistic*

TYPE OF ERC PROJECTS BASED ON MY EXPERIENCE

- Global biomass production, climatic risks and societal impacts
 - Plant growth efficiency and ecosystem management
-
- *better smaller (focused) project based your experience than too big (broad) project with catchy title – realistic*
 - *Answering a complete question (not only 'what' but also 'why')*

TYPE OF ERC PROJECTS BASED ON MY EXPERIENCE

- Global biomass production, climatic risks and societal impacts
 - Plant growth efficiency and ecosystem management
-
- *better smaller (focused) project based your experience than too big (broad) project with catchy title – realistic*
 - *Answering a complete question (not only 'what' but also 'why')*
 - *Multiple approaches: experiments, data-analysis, modelling different lines*

TYPE OF ERC PROJECTS BASED ON MY EXPERIENCE

- Global biomass production, climatic risks and societal impacts
 - Plant growth efficiency and ecosystem management
-
- *better smaller (focused) project based your experience than too big (broad) project with catchy title – realistic*
 - *Answering a complete question (not only 'what' but also 'why')*
 - *Multiple approaches: experiments, data-analysis, modelling different lines*
 - *New methods are good project*

TYPE OF ERC PROJECTS BASED ON MY EXPERIENCE

- Global biomass production, climatic risks and societal impacts
 - Plant growth efficiency and ecosystem management
 - Novel assessment of biomass production (with satellites)
-
- *better smaller (focused) project based your experience than too big (broad) project with catchy title – realistic*
 - *Answering a complete question (not only 'what' but also 'why')*
 - *Multiple approaches: experiments, data-analysis, modelling different lines*
 - *New methods are good project*

TYPE OF ERC PROJECTS BASED ON MY EXPERIENCE

- Global biomass production, climatic risks and societal impacts
 - Plant growth efficiency and ecosystem management
 - Novel assessment of biomass production (with satellites)
-
- *better smaller (focused) project based your experience than too big (broad) project with catchy title – realistic*
 - *Answering a complete question (not only 'what' but also 'why')*
 - *Multiple approaches: experiments, data-analysis, modelling different lines*
 - *New methods are good project*
 - *Something significant, that will last, not that will be improved in 5 y*

TYPE OF ERC PROJECTS BASED ON MY EXPERIENCE

- Global biomass production, climatic risks and societal impacts
 - Plant growth efficiency and ecosystem management
 - Novel assessment of biomass production (with satellites)
 - Novel assessment of biomass production (from gas emission)
-
- *better smaller (focused) project based your experience than too big (broad) project with catchy title – realistic*
 - *Answering a complete question (not only 'what' but also 'why')*
 - *Multiple approaches: experiments, data-analysis, modelling different lines*
 - *New methods are good project*
 - *Something significant, that will last, not that will be improved in 5 y*

TYPE OF ERC PROJECTS BASED ON MY EXPERIENCE

- Global biomass production, climatic risks and societal impacts
 - Plant growth efficiency and ecosystem management
 - Novel assessment of biomass production (with satellites)
 - Novel assessment of biomass production (from gas emission)
-
- *better smaller (focused) project based your experience than too big (broad) project with catchy title – realistic*
 - *Answering a complete question (not only 'what' but also 'why')*
 - *Multiple approaches: experiments, data-analysis, modelling different lines*
 - *New methods are good project*
 - *Something significant, that will last, not that will be improved in 5 y*
 - *Risk not too early (in WP1) – risk not obvious (instrument failure...)*

TYPE OF ERC PROJECTS BASED ON MY EXPERIENCE

- Global biomass production, climatic risks and societal impacts
- Plant growth efficiency and ecosystem management
- Novel assessment of biomass production (with satellites)
- Novel assessment of biomass production (from gas emission)

my major
focus last 4 y
work

- *better smaller (focused) project based your experience than too big (broad) project with catchy title – realistic*
- *Answering a complete question (not only 'what' but also 'why')*
- *Multiple approaches: experiments, data-analysis, modelling different lines*
- *New methods are good project*
- *Something significant, that will last, not that will be improved in 5 y*
- *Risk not too early (in WP1) – risk not obvious (instrument failure...)*

TYPE OF ERC PROJECTS BASED ON MY EXPERIENCE

- Global biomass production, climatic risks and societal impacts
- Plant growth efficiency and ecosystem management
- Novel assessment of biomass production (with satellites)
- Novel assessment of biomass production (from gas emission)

my major
focus last 4 y
work

interest
since 12 y

- *better smaller (focused) project based your experience than too big (broad) project with catchy title – realistic*
- *Answering a complete question (not only 'what' but also 'why')*
- *Multiple approaches: experiments, data-analysis, modelling different lines*
- *New methods are good project*
- *Something significant, that will last, not that will be improved in 5 y*
- *Risk not too early (in WP1) – risk not obvious (instrument failure...)*

TYPE OF ERC PROJECTS BASED ON MY EXPERIENCE

- Global biomass production, climatic risks and societal impacts
- Plant growth efficiency and ecosystem management
- Novel assessment of biomass production (with satellites)
- Novel assessment of biomass production (from gas emission)
- What makes leaves fall in autumn? A new process description for the timing of leaf senescence in temperate and boreal trees

my major
focus last 4 y
work

interest
since 12 y

- *better smaller (focused) project based your experience than too big (broad) project with catchy title – realistic*
- *Answering a complete question (not only 'what' but also 'why')*
- *Multiple approaches: experiments, data-analysis, modelling different lines*
- *New methods are good project*
- *Something significant, that will last, not that will be improved in 5 y*
- *Risk not too early (in WP1) – risk not obvious (instrument failure...)*

TYPE OF ERC PROJECTS BASED ON MY EXPERIENCE

- Global biomass production, climatic risks and societal impacts
- Plant growth efficiency and ecosystem management
- Novel assessment of biomass production (with satellites)
- Novel assessment of biomass production (from gas emission)
- What makes leaves fall in autumn? A new process description for the timing of leaf senescence in temperate and boreal trees

my major
focus last 4 y
work

interest
since 12 y

- *better smaller (focused) project based your experience than too big (broad) project with catchy title – realistic*
- *Answering a complete question (not only ‘what’ but also ‘why’)*
- *Multiple approaches: experiments, data-analysis, modelling different lines*
- *New methods are good project*
- *Something significant, that will last, not that will be improved in 5 y*
- *Risk not too early (in WP1) – risk not obvious (instrument failure...)*
- *Something clear (that many panel members can understand...)*

TYPE OF ERC PROJECTS BASED ON MY EXPERIENCE

- Global biomass production, climatic risks and societal impacts
- Plant growth efficiency and ecosystem management
- Novel assessment of biomass production (with satellites)
- Novel assessment of biomass production (from gas emission)
- What makes leaves fall in autumn? A new process description for the timing of leaf senescence in temperate and boreal trees

my major
focus last 4 y
work

interest
since 12 y

- *better smaller (focused) project based your experience than too big (broad) project with catchy title – realistic*
- *Answering a complete question (not only 'what' but also 'why')*
- *Multiple approaches: experiments, data-analysis, modelling different lines*
- *New methods are good project*
- *Something significant, that will last, not that will be improved in 5 y*
- *Risk not too early (in WP1) – risk not obvious (instrument failure...)*

- *Something clear (that many panel members can understand...)*
- *Something people tried but not succeeded (you have a new hypothesis/approach/method...)*

TYPE OF ERC PROJECTS BASED ON MY EXPERIENCE

- Global biomass production, climatic risks and societal impacts
 - Plant growth efficiency and ecosystem management
 - Novel assessment of biomass production (with satellites)
 - Novel assessment of biomass production (from gas emission)
 - What makes leaves fall in autumn? A new process description for the timing of leaf senescence in temperate and boreal trees
- my major focus last 4 y work
- interest since 12 y

- *better smaller (focused) project based your experience than too big (broad) project with catchy title – realistic*
- *Answering a complete question (not only ‘what’ but also ‘why’)*
- *Multiple approaches: experiments, data-analysis, modelling different lines*
- *New methods are good project*
- *Something significant, that will last, not that will be improved in 5 y*
- *Risk not too early (in WP1) – risk not obvious (instrument failure...)*

- *Something clear (that many panel members can understand...)*
- *Something people tried but not succeeded (you have a new hypothesis/approach/method...)*
- *Something that changes the way of thinking (paradigm shift...) - something that correct past errors community*

TYPE OF ERC PROJECTS BASED ON MY EXPERIENCE

- Global biomass production, climatic risks and societal impacts
- Plant growth efficiency and ecosystem management
- Novel assessment of biomass production (with satellites)
- Novel assessment of biomass production (from gas emission)
- What makes leaves fall in autumn? A new process description for the timing of leaf senescence in temperate and boreal trees

my major
focus last 4 y
work

interest
since 12 y

- *better smaller (focused) project based your experience than too big (broad) project with catchy title – realistic*
- *Answering a complete question (not only ‘what’ but also ‘why’)*
- *Multiple approaches: experiments, data-analysis, modelling different lines*
- *New methods are good project*
- *Something significant, that will last, not that will be improved in 5 y*
- *Risk not too early (in WP1) – risk not obvious (instrument failure...)*

- *Something clear (that many panel members can understand...)*
- *Something people tried but not succeeded (you have a new hypothesis/approach/method...)*
- *Something that changes the way of thinking (paradigm shift...) - something that correct past errors community*
- *Something no incremental - one major step better then several small steps*

TYPE OF ERC PROJECTS BASED ON MY EXPERIENCE

- Global biomass production, climatic risks and societal impacts
- Plant growth efficiency and ecosystem management
- Novel assessment of biomass production (with satellites)
- Novel assessment of biomass production (from gas emission)
- What makes leaves fall in autumn? A new process description for the timing of leaf senescence in temperate and boreal trees

my major
focus last 4 y
work

interest
since 12 y

- *better smaller (focused) project based your experience than too big (broad) project with catchy title – realistic*
- *Answering a complete question (not only ‘what’ but also ‘why’)*
- *Multiple approaches: experiments, data-analysis, modelling different lines*
- *New methods are good project*
- *Something significant, that will last, not that will be improved in 5 y*
- *Risk not too early (in WP1) – risk not obvious (instrument failure...)*
- *Something clear (that many panel members can understand...)*
- *Something people tried but not succeeded (you have a new hypothesis/approach/method...)*
- *Something that changes the way of thinking (paradigm shift...) - something that correct past errors community*
- *Something no incremental - one major step better then several small steps*

Tip & tricks application

Tip & tricks application

- Project
 - First B2 then B1
 - Be clear & help readers (figure/schemes etc.) – proof editing (?)
 - Risk mitigation paragraph
 - back-up plans, alternatives hypothesis/methods, advisory board

Tip & tricks application

- Project
 - First B2 then B1
 - Be clear & help readers (figure/schemes etc.) – proof editing (?)
 - Risk mitigation paragraph
 - back-up plans, alternatives hypothesis/methods, advisory board
- CV
 - Keep (more or less) the format ... but you can make small changes
 - 11 small sections: 2 skipped, 1 added 'Research interests and prospectives'
 - Extra info (explanation on e.g. key publications, your project background)
 - Details (e.g. how much was a post-doc grant you won?)

Tip & tricks application

- Project
 - First B2 then B1
 - Be clear & help readers (figure/schemes etc.) – proof editing (?)
 - Risk mitigation paragraph
 - back-up plans, alternatives hypothesis/methods, advisory board
- CV
 - Keep (more or less) the format ... but you can make small changes
 - 11 small sections: 2 skipped, 1 added 'Research interests and prospectives'
 - Extra info (explanation on e.g. key publications, your project background)
 - Details (e.g. how much was a post-doc grant you won?)
- General
 - Discuss it with senior colleagues, ERC grantees or former ERC panel members
 - Ask examples of winning proposal (through research managers your university)
 - Proposal: lot of work ... but you can do at easy and with advices: do it carefully as a strong written file will be very helpful in second step!

Tip & tricks interview

Tip & tricks interview

- Difficult! (stress, emotions, difficult questions and 'difficult' panel members, surprising/unexpected comments from reviewers etc.):
PREPARE IT WELL!

Tip & tricks interview

- Difficult! (stress, emotions, difficult questions and ‘difficult’ panel members, surprising/unexpected comments from reviewers etc.): PREPARE IT WELL!
- Before
 - Prepare super-good your 10 minute presentation
 - make several mock defenses (I had 6-7... colleagues, international partners, research managers, consultants);
 - repeat tens and tens of times ... in ‘real conditions’ (with laser-pointer, stand-up etc.)
 - Ask colleagues and peers to read your proposal and make questions
 - I had ca. 25 colleagues /managers ...>200 questions study the questions (in interview I had similar questions I had already been asked!)
 - Take a look to recent publications: something appeared in your domain?

Tip & tricks interview

- Difficult! (stress, emotions, difficult questions and 'difficult' panel members, surprising/unexpected comments from reviewers etc.): PREPARE IT WELL!
- Before
 - Prepare super-good your 10 minute presentation
 - make several mock defenses (I had 6-7... colleagues, international partners, research managers, consultants);
 - repeat tens and tens of times ... in 'real conditions' (with laser-pointer, stand-up etc.)
 - Ask colleagues and peers to read your proposal and make questions
 - I had ca. 25 colleagues /managers ...>200 questions study the questions (in interview I had similar questions I had already been asked!)
 - Take a look to recent publications: something appeared in your domain?
- That day
 - Answer the questions to the point & be brief and calm
 - I had 10 questions in 15 minutes ... I guess panel likes to have time to pose questions they thought...
 - What to do if you do not know an answer? Prepare this situation

Tip & tricks interview

- Difficult! (stress, emotions, difficult questions and 'difficult' panel members, surprising/unexpected comments from reviewers etc.): PREPARE IT WELL!
- Before
 - Prepare super-good your 10 minute presentation
 - make several mock defenses (I had 6-7... colleagues, international partners, research managers, consultants);
 - repeat tens and tens of times ... in 'real conditions' (with laser-pointer, stand-up etc.)
 - Ask colleagues and peers to read your proposal and make questions
 - I had ca. 25 colleagues /managers ...>200 questions study the questions (in interview I had similar questions I had already been asked!)
 - Take a look to recent publications: something appeared in your domain?
- That day
 - Answer the questions to the point & be brief and calm
 - I had 10 questions in 15 minutes ... I guess panel likes to have time to pose questions they thought...
 - What to do if you do not know

..... based on my own experience (and peers who have advised me ...) - different approaches to application are possible!

Conclusions

- Do you need to be lucky? Yes

Conclusions

- Do you need to be lucky? Yes
- But try to help the 'luck' coming to you by
 - be conscious what ERC call is for (type of project)
 - prepare both steps (text and interview) really good