Research Funding

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Environmental Human Sciences 180411
This presentation

• The jungle/landscape of EU funding in general
• Horizon 2020 in particular
• Specific calls in your field
• Research Professional – The targets call database
• Support from the Research Support Office
Who are you?
National funding

- VR
- Formas
- Energimyndigheten
- MSB
- Naturvårdsverket
- Swedish foundations (e.g. The Wallenberg Foundations)
- etc
The EU funding landscape
Watch out for ABBREVIATIONS!
A diversified landscape

EU Commission

- DG RTD
- DG CNECT
- DG SANTE
- DG JUST
- DG ...
- DG ...
- DG ...
- DG ...
- DG REGIO
- DG ...
- DG ...

Horizon 2020
A diversified landscape

EU Commission

- DG RTD
- DG CNECT
- DG SANTE
- DG JUST
- DG ...
- DG ...
- DG ...
- DG ...
- DG REGIO
- DG ...

Horizon 2020

- 3rd Health Programme
- Connecting Europe Facility
- Justice Programme
- LIFE
- Tenders

Interreg
A diversified landscape

EU Commission

- DG RTD
- DG CNECT
- DG SANTE
- DG JUST
- DG ...
- DG ...
- DG ...
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- DG ...

Horizon 2020

- 3rd Health Programme
- Connecting Europe Facility
- Justice Programme
- Interreg
- LIFE
- Tenders

No support from the EU Commission

- Nordforsk
- HFSP
- EMBO
EU funding related to Horizon 2020

- Horizon 2020
- National funding in SWEDEN
- National funding in other European countries
- European companies
EU funding related to Horizon 2020

Horizon 2020

- ERC
- COST
- PPP
- ERA-NET
- JPI

National funding in SWEDEN
National funding in other European countries

European companies
Which type of funding fits you?

Where to look for calls?
In the light of
commonly asked questions

• Do it **alone**/ in a small group / in a large
  consortium?
• Project **length** and **budget**?
• **How** senior do I have to be?
• Contribution of **direct costs**?
• Contribution of **indirect costs**?
• **Success rate**?
• How close to **market**?
Horizon 2020
Framework Programme for Research and Innovation

A political project (2014-2020)

three priorities:

• Excellent science (bottom up)
• Industrial leadership (top down)
• Societal challenges (top down)
Horizon 2020

A political project

- Call texts for 2018-2020 have been published.
- Calls for 2020 are only indicative
Excellent science

Breakthrough science:
• European Research Council (ERC)

Mobility:
• Marie S Curie Action (MSCA)

Half-crazy ideas:
• Future Emerging Technology (FET)

Contributions to European infrastructures:
• Research Infrastructure
European Research Council (ERC)
Break through; High risk/high gain

- **Starting** Grant, StG 2-7 years after PhD
- **Consolidator** Grant, CoG 7-12 years after PhD
- **Advanced** Grant, AdG no limit
- **Synergy** Grant, SyG 2-4 PI:s
- **Proof of Concept**, PoC Previous ERC grantees
European Research Council (ERC)
Break through; High risk/high gain

- Starting Grant, StG - 3-7 years after PhD
- Consolidator Grant, CoG - 7 years after PhD
- Advanced Grant, AdG - no limit
- Proof of Concept, PoC
- Previous ERC grantees

- Synergy Grant, SyG - 2-3 PI:s / 6 years

- You alone (with your group) / 5 years
  - except SyG (2-4 Pis / 6 years)

- StG 1,5 million Euro
- CoG 2,0 million Euro
- AdG 2,5 million Euro
- SyG 10,0 million Euro

- Different seniority for different grants
- 100% of direct cost
- 25% of indirect cost

European Research Council (ERC)
Break through; High risk/high gain
Marie S Curie Action (MSCA)

• Funding of mobility
• **Individual** fellowship (IF)
  – Postdoc with supervisor in EU (max 2 years)
  – Postdoc with supervisor outside of EU (max 2+1 years); last year in EU
• **Innovative Training Network** (ITN)
  – PhD students rotating
Marie S Curie Action (MSCA)

• Funding of mobility
• Individual fellowship (IF)
  – Postdoc with supervisor in EU
• Innovative Training Networks – For PhD students
  – For PhD students

◆ IF: Supervisor and postdoc / 1-2 years
◆ ITN: Supervisors and PhD students/ ca 3 years
◆ Lump sums according to country
◆ As supervisor you run your research group
Industrial Leadership

- Information and Communication Technologies
- Nanotechnologies
- Advanced materials
- Biotechnology
- Advanced manufacturing and processing
- Space
Industrial Leadership

- Information and Communication Technologies
- Nanotechnologies
- Advanced materials
- Biotechnology
- Advanced manufacturing and processing
- Space
- Access to risk finance
- Innovation in SMEs

- Ca 1-10 million Euro / 3-4 years
- You run your own research group
- Small-large consortia WITH INDUSTRY
- 100% of direct cost
- 25% of indirect cost
- Many calls are close to market
Societal Challenges

1. Health, demographic change and wellbeing
2. Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy
3. Secure, clean and efficient energy
4. Smart, green and integrated transport
5. Climate action, environment, resource efficiency and raw materials
6. Europe in a changing world - inclusive, innovative and reflective societies
7. Secure societies - protecting freedom and security of Europe and its citizens
Societal Challenges

Social Sciences and Humanities (SSH)
- appreciated in all proposals
  - a cross cutting issue

Collaboration with researchers in other disciplines and organizations is crucial
  (multi actor approach)
Societal Challenges

1. Health, demographic change and wellbeing
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Evaluation Criteria

• Excellence
• Impact (bottleneck?)
• Implementation
Evaluation Criteria

Read “Expected impact” in the call texts carefully

NOTE!

In ERC impact is on Science
In MSCA impact is on the career of the student

- READ THE EVALUATION CRITERIA!
Requirements for consortia

• At least three countries represented
• EU + associated countries (....)
• Other countries
  – No EU funding (except when specified)
• Partners from different sectors
  – Read instructions carefully
  – Public sector, small companies, industry
• Impact partner
  – Will develop the project results towards the market/society after the end of the project
EU funding related to Horizon 2020

Horizon 2020

- ERC
- COST
- PPP
- ERA-NET
- JPI

National funding in SWEDEN
National funding in other European countries

European companies
ERA-NET

- European Research Area (ERA)
- Collaboration between national funding agencies
- EU contributes with funding
- Specific scientific focus
- Impact is often important
- Swedish funding agencies present the ERA-NET they participate in
Examples of ERA-NETs

- **BiodivERsA** (deadline recently closed)
  - Conservation and sustainable management of biodiversity
- **ERA4CS**
  - European Research Area for Climate Services
- **HERA** ([http://heranet.info/](http://heranet.info/))
  - Humanities in the European Research Area
- **NORFACE** ([https://www.norface.net/](https://www.norface.net/))
  - Social and behavioral sciences
ERA-NET

• European Research Area (ERA)
• Collaboration between national funding agencies
• EU contributes with funding
• Specific scientific focus
• Impact is often important
• Swedish funding agencies present the ERA-NET they participate in

- You have done a Postdoc
- Small-large consortia
- Most of them fund 100% direct cost
- Most of them fund all indirect cost
Joint Programming Initiative (JPI)

• Collaboration between national funding agencies in Europe
• Specific calls within their themes
• Ten JPI:s in total
JPI in your subject?

- Alzheimer and other Neurodegenerative Diseases (JPND)
- Agriculture, Food Security and Climate Change (FACCE)
- A Healthy Diet for a Healthy Life
- Cultural Heritage and Global Change: A New Challenge for Europe
  
  * Urban Europe - Global Urban Challenges, Joint European Solutions
  
  * Connecting Climate Knowledge for Europe (CliK'EU)
  
  * More Years, Better Lives - The Potential and Challenges of Demographic Change
  
  * Antimicrobial Resistance- The Microbial Challenge - An Emerging Threat to Human Health
  
  * Water Challenges for a Changing World
  
  * Healthy and Productive Seas and Oceans
Joint Programming Initiative (JPI)

- Collaboration between national funding agencies
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- Most of them fund 100% direct cost
- Most of them fund all indirect cost
Private Public Partnership (PPP)

- Examples: Innovative Medicine Initiative (IMI) and Bio-Based Industries (BBI)
- In IMI and BBI: an industry consortium fund 50% and EU funds 50%
- Specific challenges in calls
- The winner meets the industry
- Industry is not needed in the proposal
Private Public Partnership (PPP)

- Examples: Innovative Medicine Initiative (IMI) and Bio-Based Industries (BBI)
- In IMI and BBI, industry consortium funds 50% and EU funds 50%
- Specific challenges in calls
  - The winner meets the industry
  - Industry is not needed in the proposal

- You run your own research group
- Large consortia
- Close to 100% of direct cost
- 25% of indirect cost
COST
KOoperation in Science and Technology

• A “COST action” does not fund research
• Networking is funded by 36 countries
  – Travels and meetings
  – e.g. for preparation of a EU funding proposal
• At least five COST countries are required
• Read more here: http://www.cost.eu/
COST
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- Networking is funded
  - Travels and meetings
- At least 5 COST countries are required
- Read more here: http://www.cost.eu/

- Average annual budget 130,000 Euro/year
- You have done a Postdoc
- Funds less than 100% direct cost
- Large consortia
Interreg

• Inter region-collaborations
• No research is funded
• For implementation
• Combinations of different regions, examples:
  – Interreg Europe
  – Baltic Sea
  – Interreg V A – Sweden-Finland-Norway
  – Interreg V A – Sweden-Denmark-Norway
Interreg

- Inter region-collaborations
- No research is funded
- For implementation
- Combinations of different regions
  - Interreg Europe
  - Baltic Sea
  - Interreg V A – Sweden-Finland-Norway
  - Interreg V A – Sweden-Denmark-Norway

- You have done a Postdoc
- Funds ca 75-85% of direct cost
- Funds only a fraction of indirect cost
- Small-large consortia
How close to market?

Basic research

- MSCA
- ERC
- COST

Intermediate

- Interreg
- FET
- Societal Challenges
- Industrial Leadership
- PPP

Close to market and the society

- JPI
- ERA-NET
Search for specific calls

• You provided key words

• Calls without any environmental aspect were omitted

• Hitted areas:
  – Urban environments
  – Environment-related threats
  – Migration
  – etc
Calls for planning your proposal

At SU
- For collaborations between the two areas
- Climate, Seas and Environment is strong at SU

Swedish authorities (max 150 000 SEK)
- MSB (deadline 20/5 2018)
- Energimyndigheten (not for ERA-NETs)
SSH in Horizon 2020

 Calls tagged as having an important SSH perspective:

http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/ftags/ssh.html#c,topics=flags/s/SSH/1/1/0/default-group&callStatus/t/Forthcoming/1/1/0/default-group&callStatus/t/Open/1/1/0/default-group&callStatus/t/Closed/0/1/0/default-group&+title/desc

• 161 calls remain today
• Do search with your key words
Specific Horizon 2020 calls

Deadline 14 March 2019
• TRANSFORMATIONS-03-2018-2019: Innovative solutions for inclusive and sustainable urban environments (RIA)
• MIGRATION-01-2019: Understanding migration mobility patterns: elaborating mid and long-term migration scenarios (RIA)

Deadline 23 Jan 2019
• LC-SFS-19-2018-2019: Climate-smart and resilient farming (RIA)
• SFS-35-2019-2020: Sustainable Intensification in Africa (RIA)
Specific Horizon 2020 calls

Deadline 19 Feb 2019
• LC-CLA-05-2019: Human dynamics of climate change (RIA)
• SC5-13-2018-2019: Strengthening international cooperation on sustainable urbanisation: nature-based solutions for restoration and rehabilitation of urban ecosystems (RIA)
• SC5-20-2019: Transforming historic urban areas and/or cultural landscapes into hubs of entrepreneurship and social and cultural integration (IA)
• LC-CLA-05-2019: Human dynamics of climate change
• LC-CLA-07-2019: The changing cryosphere: uncertainties, risks and opportunities
An example: TRANSFORMATIONS-03-2018-2019: Innovative solutions for inclusive and sustainable urban environments

• **Expected Impact:** By linking research, innovation and policy, the action will support urban strategies, policies and planning practices to promote equitable, inclusive and sustainable growth, including the uptake of new, participatory and alternative growth models. It will contribute to the advancement of the EU Urban Agenda and the Sustainable Development Goal dedicated to making cities inclusive, safe, resilient and sustainable. It will also inform the continuous development and implementation of Smart Specialisation as well as the urban dimension of cohesion policy.
Specific Horizon 2020 calls

Deadlines in 2020

• LC-CLA-09-2020: Achieving long-term climate goals and sustainable development (deep decarbonisation pathways and sustainable development at national and global level; the role of lifestyle change and consumption patterns on climate change mitigation)

• LC-CLA-14-2020: Understanding water-energy-food nexus and streamlining water-related policies
Common mistakes

- Started to write too late
- Describing **impact** in to general terms
- Lead user or **stakeholders** not writing the impact text
- A poor dissemination plan
- Not describing how knowledge is transferred after the end of the project (**SME:s important**)
- Connection to **EU policy** is poorly described
ResearchProfessional.com

• Search for research funding
• Subscribe using your funding profile
• Use Swedish words, e.g. stiftelser, miljö, etc
Support from the Research Support Office at SU

Before writing a proposal
• During the writing process
• Contract / Agreement
• When running a project and afterwards
## Research Support Office
### Who we are

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Thanks for your attention!

Get in touch with us early,
then we can provide more extensive support