

UNIVERSITY OF TWENTE.

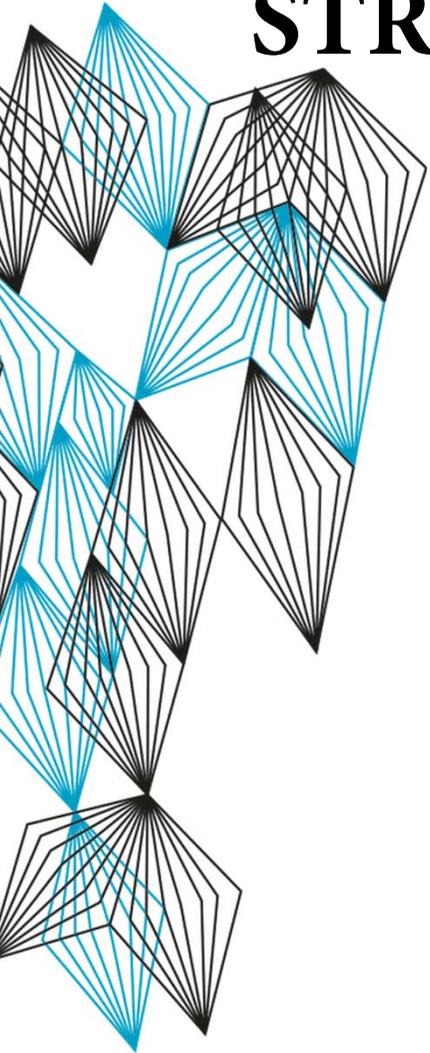
SOME THOUGHTS ON FUNDING

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4TU RESILIENCE ENGINEERING. DeSIRE MEETING

STRUCTURE



1. Funding schemes

- a) Top Down vs Bottom Up
- b) Personal vs Collaborative
- c) NL vs EU

2. How to apply

- a) Finding the right grant scheme for you
- b) How an application works

3. The Helpers: Grant Offices

- a) How GOs help

4. Selected calls

5. Questions



1a) Top Down vs Bottom Up

Top Down: schemes for which (stricter or broader) topics are defined
Examples: Collaborative H2020 calls

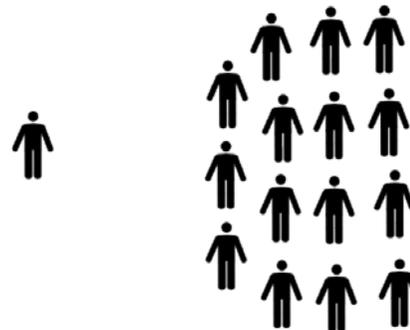


Bottom Up: schemes for which a wide variety of topics can be chosen
Examples: NWO Personal grants (NWO Talent Programme)

1b) Personal vs Collaborative

Personal: grant that is focused on you as a PI, where all activities need to be carried by you or a small team that you lead

Examples: ERC, MSCA IF, NWO Talent Programme



Collaborative: a minimum consortium of institutions fulfilling certain conditions (e.g. from different countries, from different domains) is needed

Examples: Collaborative H2020 calls, NWO NWA-ORC

1c) Funding schemes: NL vs EU

- NL:
- wide variety of options for personal grants
 - generally as competitive as EU grants
 - some applications are more straightforward than EU grant applications



- EU:
- wide variety of options for collaborative grants at different TRL levels
 - most of them are highly competitive
 - the application procedure is generally quite complex
 - in a process of change from H2020 to Horizon Europe

2a) Finding the right grant scheme for you

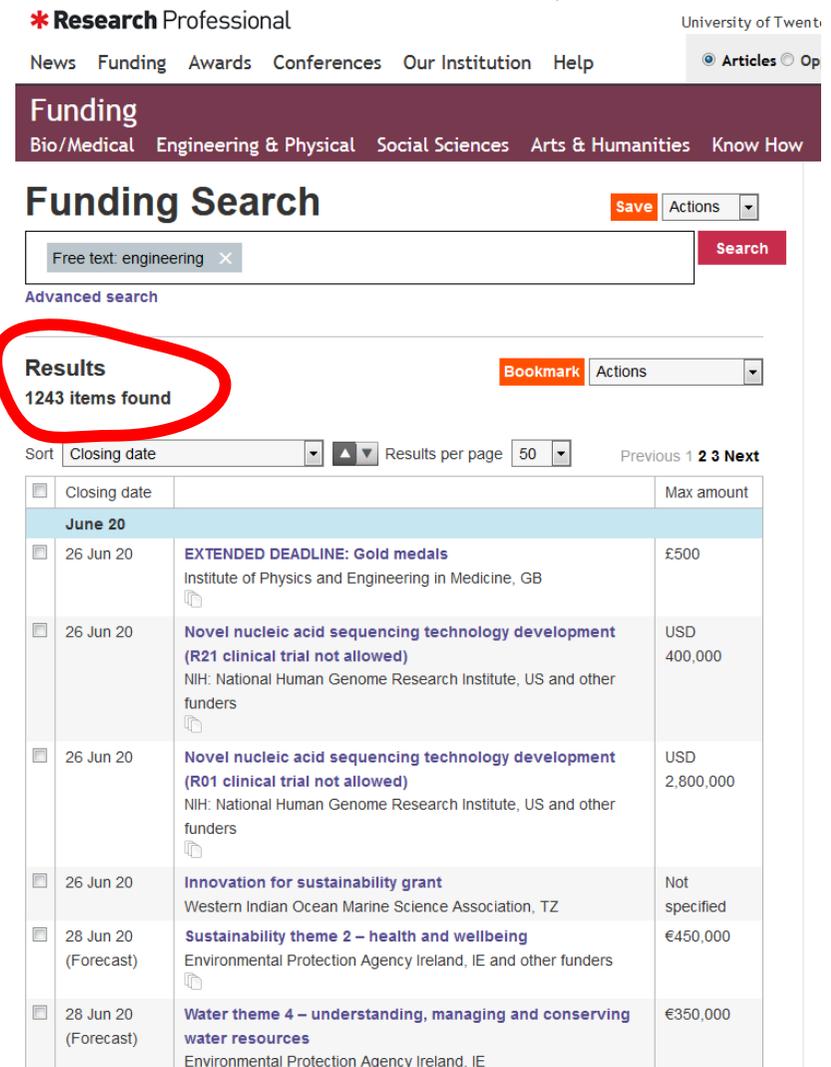
Look directly on website of popular funding agencies:

- [EC Funding and Tenders Portal](#)
- [NWO](#)

Use search portals:

- [Mendeley](#)
- [Research Professional](#)

Check with your university's Grant Office



The screenshot shows the 'Research Professional' website interface. At the top, there is a navigation bar with links for News, Funding, Awards, Conferences, Our Institution, and Help. Below this is a 'Funding' section with sub-links for Bio/Medical, Engineering & Physical, Social Sciences, Arts & Humanities, and Know How. The main content area is titled 'Funding Search' and includes a search input field with the text 'Free text: engineering' and a 'Search' button. Below the search bar, there is a 'Results' section with a red circle around the text 'Results 1243 items found'. The results are displayed in a table with columns for 'Closing date', 'Max amount', and a list of funding opportunities.

Closing date	Max amount	
June 20		
26 Jun 20	£500	EXTENDED DEADLINE: Gold medals Institute of Physics and Engineering in Medicine, GB
26 Jun 20	USD 400,000	Novel nucleic acid sequencing technology development (R21 clinical trial not allowed) NIH: National Human Genome Research Institute, US and other funders
26 Jun 20	USD 2,800,000	Novel nucleic acid sequencing technology development (R01 clinical trial not allowed) NIH: National Human Genome Research Institute, US and other funders
26 Jun 20	Not specified	Innovation for sustainability grant Western Indian Ocean Marine Science Association, TZ
28 Jun 20 (Forecast)	€450,000	Sustainability theme 2 – health and wellbeing Environmental Protection Agency Ireland, IE and other funders
28 Jun 20 (Forecast)	€350,000	Water theme 4 – understanding, managing and conserving water resources Environmental Protection Agency Ireland, IE

2a) Finding the right grant scheme for you

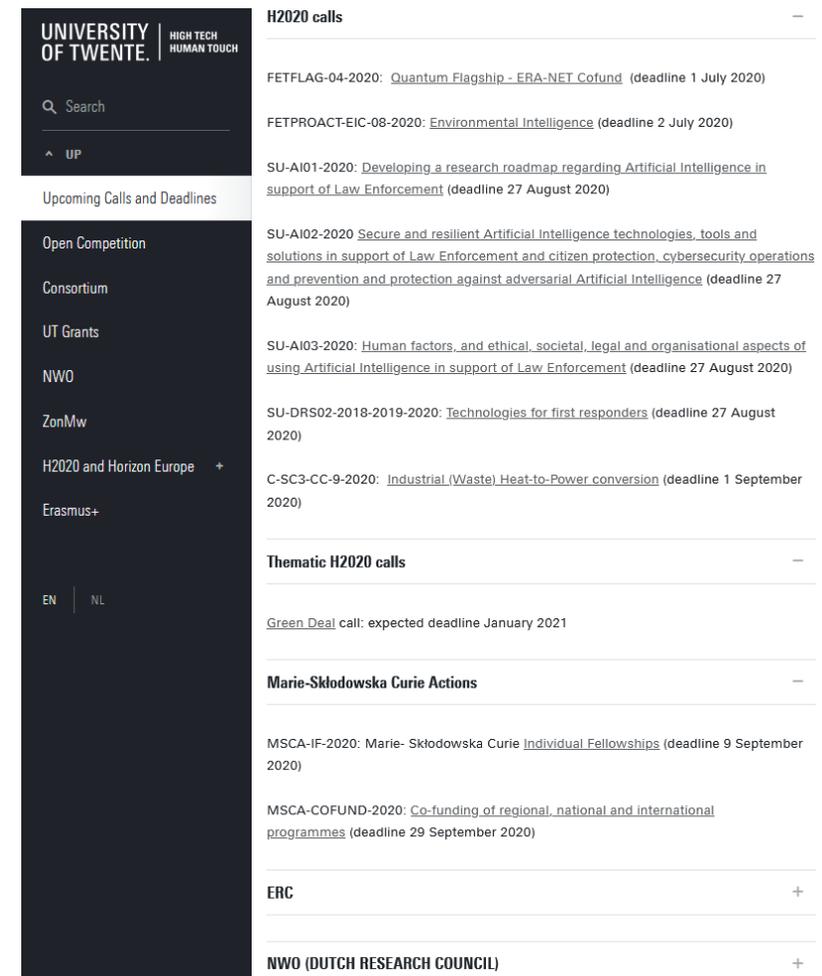
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The screenshot shows the University of Twente website with a dark sidebar and a main content area. The sidebar contains navigation links: 'UP', 'Open Competition', 'Consortium', 'UT Grants', 'NWO', 'ZonMw', 'H2020 and Horizon Europe +', 'Erasmus+', and language options 'EN' and 'NL'. The main content area is titled 'H2020 calls' and lists several grant schemes with their titles and deadlines. Below this, there are sections for 'Thematic H2020 calls' and 'Marie-Sklodowska Curie Actions', each with a list of specific grant opportunities. At the bottom, there are expandable sections for 'ERC' and 'NWO (DUTCH RESEARCH COUNCIL)'.

UNIVERSITY OF TWENTE. HIGH TECH HUMAN TOUCH

Q Search

^ UP

Upcoming Calls and Deadlines

Open Competition

Consortium

UT Grants

NWO

ZonMw

H2020 and Horizon Europe +

Erasmus+

EN | NL

H2020 calls

FETFLAG-04-2020: [Quantum Flagship - ERA-NET Cofund](#) (deadline 1 July 2020)

FETPROACT-EIC-08-2020: [Environmental Intelligence](#) (deadline 2 July 2020)

SU-AI01-2020: [Developing a research roadmap regarding Artificial Intelligence in support of Law Enforcement](#) (deadline 27 August 2020)

SU-AI02-2020: [Secure and resilient Artificial Intelligence technologies, tools and solutions in support of Law Enforcement and citizen protection, cybersecurity operations and prevention and protection against adversarial Artificial Intelligence](#) (deadline 27 August 2020)

SU-AI03-2020: [Human factors, and ethical, societal, legal and organisational aspects of using Artificial Intelligence in support of Law Enforcement](#) (deadline 27 August 2020)

SU-DRS02-2018-2019-2020: [Technologies for first responders](#) (deadline 27 August 2020)

C-SC3-CC-9-2020: [Industrial \(Waste\) Heat-to-Power conversion](#) (deadline 1 September 2020)

Thematic H2020 calls

[Green Deal](#) call: expected deadline January 2021

Marie-Sklodowska Curie Actions

MSCA-IF-2020: Marie-Sklodowska Curie [Individual Fellowships](#) (deadline 9 September 2020)

MSCA-COFUND-2020: [Co-funding of regional, national and international programmes](#) (deadline 29 September 2020)

ERC

NWO (DUTCH RESEARCH COUNCIL)

2a) Finding the right grant scheme for you

Should fit both your research topic AND your research profile

Some criteria to look out for:

- Purpose of grant (e.g. research, career advancement, travel)
- Level of experience required (e.g. time after PhD, previous funding)
- Extent of grant (i.e. how much money, what money can be used for, duration)
- Technology Readiness Level (TRL) (i.e. maturity of technology)
- Particular grant conditions
 - Include a certain minimum number of research partners
 - Have research partners in particular country(ies) or from particular sector(s)
 - Secure part of the funding from other sources (co-financing)
 - Relocate to a different country
 - Be of a certain nationality(ies) or gender

2b) How an application works

You DO NOT just download the form, write some stuff in a couple of days and submit!

Long process: at least several months

Painful writing: with many drafts and edits

Success rates are low*: NWO VIDI (19%), NWO OTP(30%), NWO NWA-ORC (2%), ERC StGr (12.7%), MSCA IF (11-26%)

...but...

*no. from 2018; rates vary per year/discipline/topic/domain

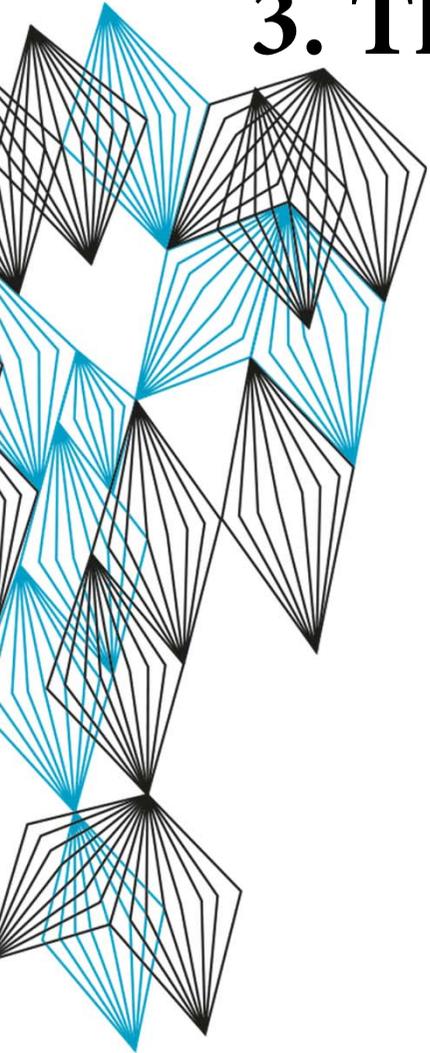


Andre Hazes - Bloed, Zweet en Tranen



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3. The Helpers: Grant Offices



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Catalin Popa: c.n.popa@utwente.nl

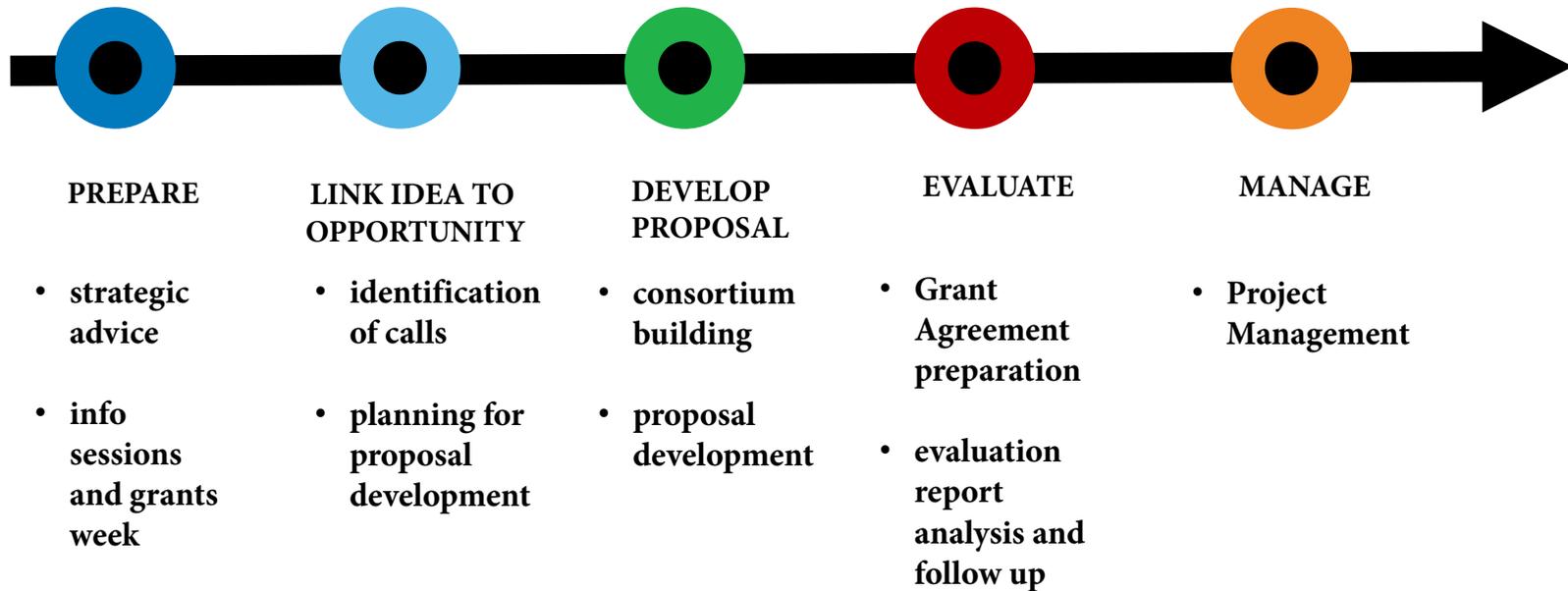
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Research Support Network
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Delft University of Technology
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3a) How GOs help

FUNDING ACQUISITION SUPPORT – UT Example



4. Selected calls

Personal

- [NWO Talent Programme](#)
 - [VENI](#)
 - [VIDI](#)
 - [VICI](#)
- [ERC Grants](#)
 - [Starting Grant](#)
 - [Consolidator Grant](#)
 - [Advanced Grant](#)
- [Marie Skłodowska-Curie Actions Individual Fellowship](#)
- [NWO Open Competition Domain Science-KLEIN](#)
- [eTEC](#)

Collaborative

- [NWO OTP](#)
- [NWO NWA-ORC](#)
- [H2020 Calls](#)

Small grants (max 200.000 €)

- [NWO NWA-IDG](#)
- [NWO Open Mind](#)
- [NWO Open Competition Domain Science-XS](#)
- [NWO NWA Science Communication](#)
- [NWO Incentive Funds for Women in STEM](#)
- [NWO KIEM 2020](#)
- [NWO Scientific Meetings and Consultations Domain Science](#)
- [NWO Rubicon](#)

4. Selected calls. Resilience specific

Collaborative

- [NWO NWA-ORC](#)
 - Route: Quality of the living environment
 - Route: Towards resilient societies
 - Route: Smart, liveable cities
- H2020 Calls
 - [Human factors, and social, societal, and organisational aspects for disaster-resilient societies](#)
 - [Technologies of first responders](#)
 - [Human factors, and social, societal, and organisational aspects for disaster-resilient societies](#)
 - [Cybersecurity in the Electrical Power and Energy System \(EPES\): an armour against cyber and privacy attacks and data breaches](#)
- [Swiss energy research for the energy transition call](#)

Please note that not all grant calls are currently open and that some of you may not be eligible for all.

Refer to your Grants Office for further details and grant opportunities.

4. QUESTIONS

