

Future of NWO CS program

NWO's Cyber Security program

- 2012 – publication of the first long term national call
 - € 3,5 mln – 9 research projects
- 2013 – publication of the second long term national call
 - € 3,5 mln – 11 research projects
- 2014 – 3 projects granted in a NWO – DHS call (€ 1 mln)
- 2016 – publication of the NWO – NSF joint PRICE call
 - € 1,25 mln – in the proces of granting 5 new projects
- 2016 – European CHIST-ERA call
 - € 1 mln from NWO – 4 projects with NL applicants granted

NWO's Cyber Security program

- Total of:
 - € 10,25 mln. over 5 years
 - Over 40 different public and private partners
 - 20 national long term projects financed
 - 12 international research projects financed

A 3D rendering of the year '2017' in a bold, sans-serif font. The numbers are light gray with a slight shadow and are reflected on a white surface below them. The background is white with a blue, textured border at the top.

2017

Seaside Matchmaking Cybersecurity 2016

Long term research call

Cyber Security



Seaside Matchmaking Cybersecurity 2016

What

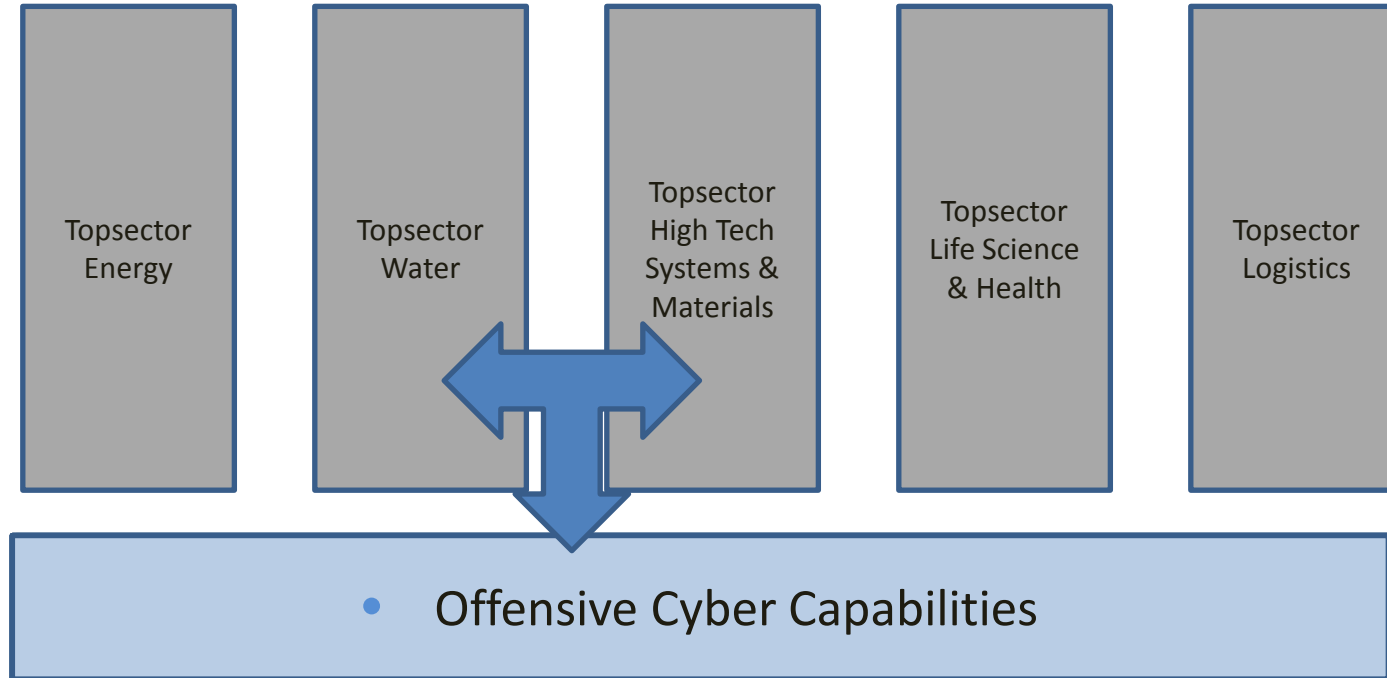
- National public-private partnership
- Research proposals submitted by consortia of a research institute cooperating with public and/or private organizations
- In kind and/or cash contributions from the cooperating research partners
- Possibility for cooperation with colleges (Hogeschole) for application driven research

Themes

- Research themes of the NCSRA II are the frame of reference
- Main focus on computer science
- Research questions and application inspired by real world cybersecurity challenges within one or more Topsectors or Knowledge and Innovation Agenda ICT are welcomed



Themes -II



Who can apply

- Researchers from
 - Dutch Universities
 - KNAW- and NWO research institutes
 - The Netherlands Cancer institute (NKI)
 - Max Planck institute
 - Dubble-beamline at Grenoble
 - NCB Naturalis
 - Advanced Research Center for NanoLithography (ARCNL)
- Who are in possession of:
 - At least a PhD degree
 - A fixed appointment at their university / institute for the duration of the proposed research

What can be applied for

- Temporary research position (2 or 3 year PostDoc or 4 year PhD)
- Additional funding for:
 - Materials
 - Travel expenses
 - Equipment

When

- Till november 2016 – Possible adjustment with the Topsectors
- End of Q1 2017 – Publication of the call on the NWO website
- End of April 2017 – Deadline expressions of interest
- June 2017 – Deadline for application
- Januari 2018 – Decision on granting and rejection

International

Joint DHS S&T / CSD – Netherlands Research in
Cyber Security



Nationaal Cyber Security Centrum
Ministerie van Veiligheid en Justitie



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What

- Joint call solicited by DHS Science & Technology, Cyber Security Division, NCSC and NWO
- Jointly managed by DHS S&T CSD and NWO-EW
- Intended to support US – Netherlands joint research projects leveraging each nations expertise
- Two-sided national funding

Areas

- ICS / SCADA
- Mobile security
- Distributed Denial of Service (DDoS)

Who can apply (NL perspective)

- Researchers from
 - Dutch Universities
 - KNAW- and NWO research institutes
 - The Netherlands Cancer institute (NKI)
 - Max Planck institute
 - Dubble-beamline at Grenoble
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- Who are in possession of:
 - At least a PhD degree
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Requirements

- Unified joint research proposal
- Maximum 4 years of research
- Bilateral funding
- Knowledge dissemination through national showcases (US CSD showcase and NL NCSRA Symposium)

When

- Publication of the Joint Call – goal is Q1 2017
- Funding Decision – goal is Q3, Q4 2017

Scientist on the Job

Cyber Security

What is Scientist on the Job?

- Short-term (3 months 1.0 fte) on-the-job experience in the private or public sector
- New instrument introduced by NWO Physical Sciences in collaboration with dcypher
- NWO's intention is to apply this fellowship instrument in a broader context of national and international computer science

Why Scientist on the Job?

- Knowledge exchange
 - researcher can test the value of his/her research and expertise and/or to share his/her research insights in a practical situation
 - A public or private organization can expect answers on research questions, issues of a more fundamental nature they experience in the cyber security domain
- creating a stronger partnership between science and practice

What?

- **Compartment 1:**
 - *Question from researcher:* find a scientific answer on an unresolved cyber security issue and/or strengthen their own cyber security research by short-term research in the private or public sector
- **Compartment 2:**
 - *Question from public or private organization:* has a challenge that a scientist can help answer by performing short-term cyber security research in their organization

How?

- Scientists and public/private partners in the field of cyber security can post their interests, challenges, profiles and/or desired area of expertise on an online marketplace
- The call will be opened in Q1 2017 at the NWO website



Information Marketplace for Policy and Analysis of Cyber-risk & Trust



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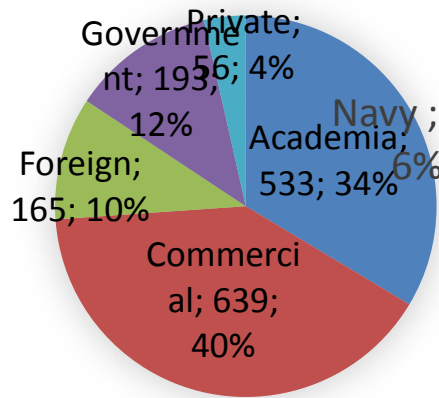
Seaside Matchmaking Cybersecurity 2016

IMPACT information marketplace

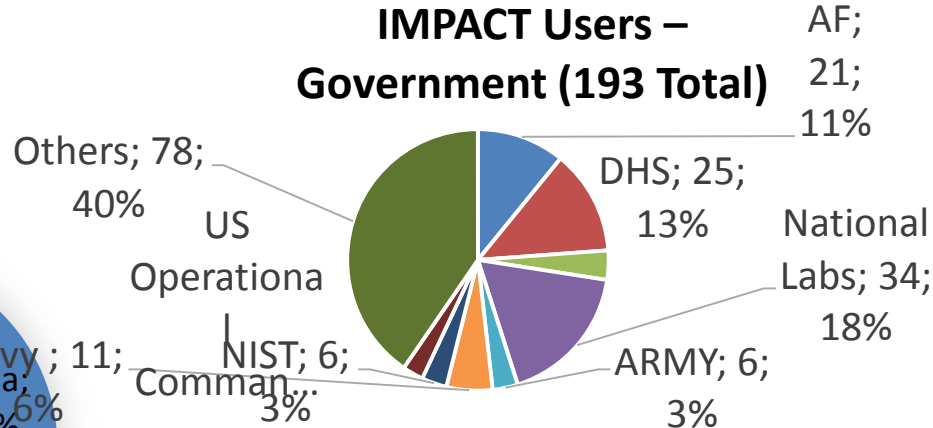
- The **IMPACT information marketplace** is supported by the U.S. Dept. of Homeland Security to improve data sharing between data producers and (scientific) researchers.
- **Data producers**, such as companies and universities, can provide (anonymised) data to the international research community.
- **Researchers** can access repositories containing real-world data, such as DNS, BGP routing, IDS and firewall, sinkhole and other network traffic flows.
- **Register** at www.impactcybertrust.org for access to the marketplace. Applicants may include any researchers currently engaged in (scientific) cyber security research and innovation. Access for Dutch researchers is coordinated with the National Cyber Security Centre (research@ncsc.nl).

IMPACT Product Stats

**IMPACT Users –
1586 Total Users**



**IMPACT Users –
Government (193 Total)**



**Foreign Users
(~160 Total)**

