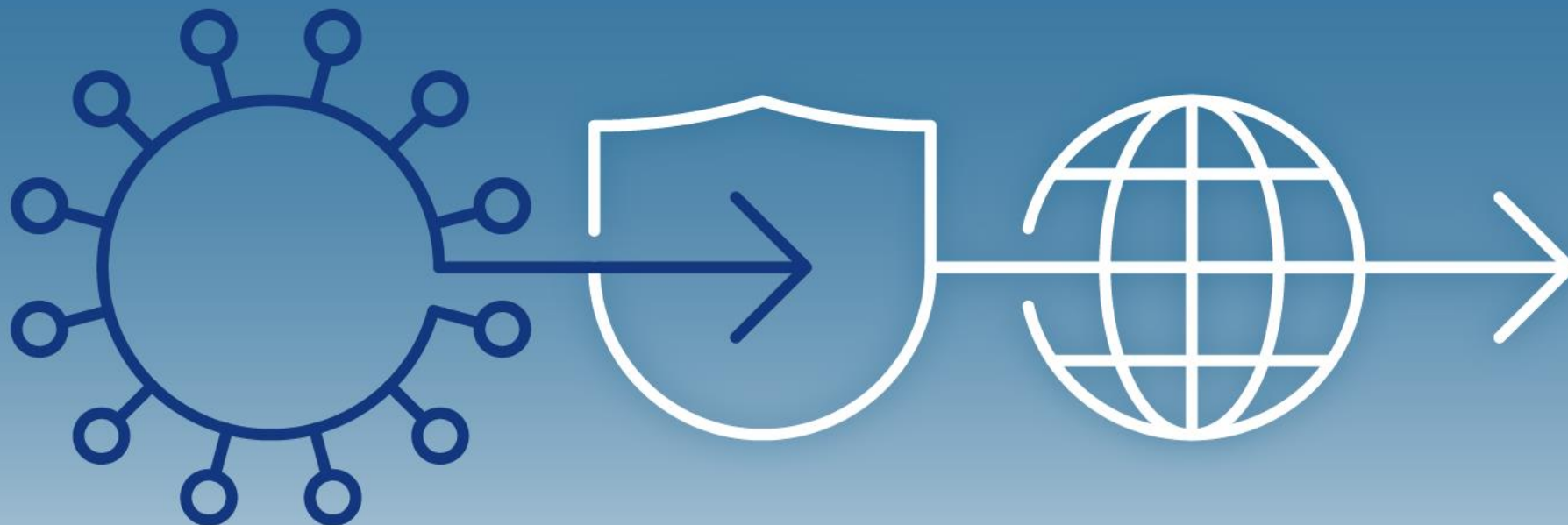


Konferencja Naukowa Bezpieczeństwo w Internecie – Cyberpandemia

22-23 października 2020 r.



 Sektorowa Rada
ds. Kompetencji
Telekomunikacja
i Cyberbezpieczeństwo


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W WARSZAWIE


POLSKIE TOWARZYSTWO INFORMATYCZNE


Naukowe Centrum
Prawno-informatyczne

EU Funds for cybersecurity in new MFF 2021-2027

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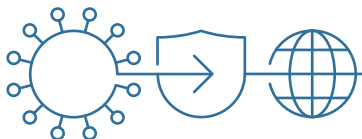
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Timeline and scale

- EU Budget for the Future → **€1.1 trillion**, very large and complex
- In addition to that, a new recovery instrument - **Next Generation EU – €750 billion from 2021-2024.**
- **Adoption of the revised MFF 2021-2027 → expected in December 2020**
- **Implementation starts → January 2021**

- Next steps: adoption of the **first multiannual work programmes by end of 2020** (timetable of calls for proposals for 2021-2023, the topics to be covered, an indicative budget and a prospective framework for the entire programming period 2021-2027)

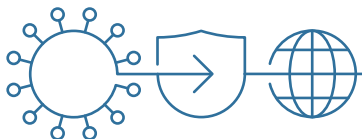




How will it feed the digital sector/cyber?

Main programmes:

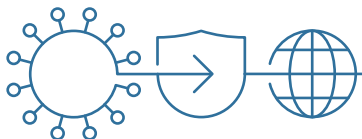
1. **Digital Europe Programme (DEP)** - €8.2 bln (€9.2 bln in current prices)
2. Connecting Europe Facility CEF Digital (CEF2) - €1.8 bln (€2 bln in cp) - support and catalyse investments in digital connectivity infrastructures of common interest
3. **Horizon Europe**- €94.4 bln (€105.8 in cp) - research and innovation that will continue the work of Horizon 2020 + it will be reinforced to fund vital research in health, resilience and the green and digital transitions
4. Invest EU- €31.6 bln (€34.4 in cp)
5. Creative Europe Media- €1.5 bln (€1.7 in cp)
6. EU4Health - €9.4 bln (€10.4 in cp) approx. 10% for digital transformation
7. **Recovery and Resilience Facility (RRF)** - €560 bln; proposal - each recovery and resilience plan include a minimum level of 20% of expenditure related to digital





What will DEP fund?

- €2.4 bln for supercomputing
- €2.2 bln for artificial intelligence
- **€1.8 bln for cybersecurity to:**
 - (1) strengthening cybersecurity coordination between MS tools and data infrastructures →**
 - (2) boost Europe's capabilities in optical communications and cybersecurity through Quantum Communication Infrastructures →**
 - (3) support the wide deployment of the cybersecurity capacities across the economy →**
 - (4) reinforce advanced skills and capabilities within Member States and the private sector for a uniformly high level of security of network and information systems**
- €600 bln for advanced digital skills
- €1.2 bln for ensuring the wide use of digital technologies across the economy and society

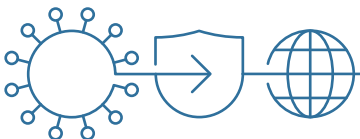




DEP work programme (first 2 years – 2021-2023)

Preliminary focus on 3 axes:

- Support the **implementation of relevant EU legislation and political initiatives**: the NIS Directive, the Cyber Security Act, the European Cybersecurity Competence centre and network, the cyber Blueprint and Joint Cyber Unit, the 5G security toolbox; around 49% of budget for the first two years.
- Support the **deployment of cyber infrastructures (including Euro quantum communication infrastructure)** - around 40% of budget for the first two years.
- Support the **capacity building, in particular for SME and sectors particularly affected** by the Covid-19 pandemic and the economic crisis.

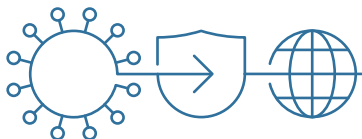




What will Horizon Europe fund?

Dedicated budget for 6 different clusters including:

- „**Civil security for society**” → **cybersecurity** + disaster-resilient societies, protection and security,
- "**Digital and industry**" → research and high-end innovation in enabling technologies (AI and robotics, next generation internet, HPC and big data, KDT, combining digital with other technologies)
- about 20% of Horizon Europe should feed into digital agenda
- no dedicated Partnership for cyber
- research will be aligned with the activities of the Cybersecurity Competence Centre and Network of National Coordination Centres (Commission proposal COM(2018) 630)



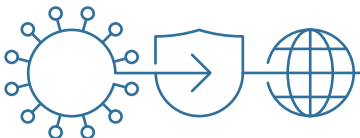


What will Horizon Europe fund?

„Civil security for society” cluster - R&I support:

- **use of innovative digital technologies**, including self-healing, AI, cryptography, massively distributed computing and storage, as well as quantum
- **security-relevant innovations** in the area of **governance of algorithms, coding architecture and programming languages**
- **effectiveness and coordination of measures to respond to cyber attacks** (better understanding the nature and source of such attacks as well as technologies and strategies to counter them)

For all activities against cyber-threats ‘security-by-design’ and ‘privacy-by-design’

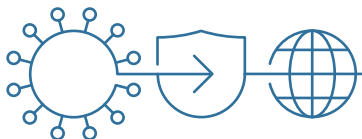




Recovery and Resilience Facility – what and how?

RRF → the key recovery instrument at the heart of NextGenerationEU

- goal = help the EU to emerge stronger and more resilient from the current crisis + enhance economic growth potential, job creation, economic and social resilience, meeting the green and digital transitions
- **loans and grants** in the crucial first years of the recovery
- till **30.04.2021 draft recovery and resilience plans from MS** outlining national investment and reform agendas

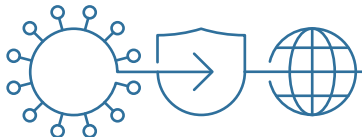




Recovery and Resilience Facility – flagship areas

EC encourages MS to include in their plans investment and reforms in the following flagship areas:

- **Power up** – future-proof clean technologies, acceleration of the development, use of renewables
- **Renovate** – improvement of energy efficiency of public and private buildings
- **Recharge and Refuel** – promotion of future-proof clean technologies to accelerate the use of sustainable, accessible and smart transport, charging and refuelling stations and extension of public transport
- **Connect** – fast rollout of rapid bb services to all regions and households, including fiber and 5G networks
- **Modernise** – digitalisation of public administration and services, including judicial and healthcare systems
- **Scale-up** – increase in European industrial data cloud capacities, development of the most powerful, cutting edge, and sustainable processors
- **Reskill and upskill** – adaptation of education systems to support digital skills and educational and vocational training for all ages





Dziękuję za uwagę

