

Parteneriat Public-Privat in NIS

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Agenda

- ▶ Ce este PPP
- ▶ PPP in EU
- ▶ PPP in RO
- ▶ PPP in NIS
- ▶ Initiative PPP
- ▶ Opinii
- ▶ Q&A

Short resume

- ▶ CERT Guvernamental CORIS-STs
- ▶ ENISA - CIIP & Resilience
- ▶ Oracle Cloud for Industry (OCI) - Penetration Testing/PCI DSS, HIPAA, SOC2 Compliance

Ce este PPP...

- ▶ In esenta conceptul de parteneriat public privat (PPP) exprima o modalitate de cooperare intre o autoritate publica si sectorul privat pentru realizarea unui proiect care produce efecte pozitive pe piata fortei de munca si in dezvoltarea locala.
- ▶ Proiect de parteneriat public-privat care are ca obiectiv public proiectarea, finantarea, constructia, reabilitarea, modernizarea, operarea, intretinerea, dezvoltarea si transferul unui bun sau serviciu public, dupa caz. (lege 178/2010)



PPP la nivel UE



- ▶ 2004 - Comisia Europeana a adoptat Cartea Verde cu privire la parteneriatul public privat si dreptul comunitar referitor la contracte publice si concesiuni
- ▶ 2005 - Comunicarea cu privire la parteneriatul public privat si dreptul comunitar referitor la contracte publice si concesiuni
- ▶ 2008- Comisia Europeana a emis o Comunicare Interpretativa privind aplicarea dreptului comunitar in domeniul contractelor de achizitii publice si al concesiunilor in cazul parterneriatelor publice-private institutionalizate

PPP in Romania



- ▶ Legea parteneriatului public-privat nr. 178/2010
- ▶ OUG 86/2011 pentru modificarea si completarea Legii parteneriatului public-privat nr. 178/2010

PPP in NIS



- ▶ COM(2009) 149 European Public-Private Partnership for Resilience
- ▶ eCommunications Regulatory Framework
- ▶ Commission's Communication on Critical Information Infrastructure Protection (CIIP)
- ▶ European Public Private Partnership for Resilience(EP3R)
- ▶ European Network and Information Security Agency (ENISA), as part of its Multi-annual Thematic Programme (MTP) - Role as a Broker
- ▶ NIS Platform (2013)

ENISA Study

- ▶ Cooperative Models for Effective Public Private Partnerships Good Practice Guide - report 2011
- ▶ 30 de PPP de success analizate in 20 de state member EU
- ▶ Un set de 36 de recomandari si propunerea unei taxonomi pentru PPP in NIS
- ▶ “Public Private Partnerships which address security and resilience have evolved in many countries as an efficient means of protecting their Critical Infrastructures. Each sector, public and private, brings its own, complementary strengths to the table, but such structures come with challenges in their formation, management, and effectiveness.”

ENISA Study PPP

Why	Who	How	What	When
Scope <ul style="list-style-type: none">• Deter• Protect• Detect• Respond• Recover Threat <ul style="list-style-type: none">• All Hazards• Natural Hazards• System Failure• Cyber-crime• Terrorism	Coverage <p>Geographical</p> <ul style="list-style-type: none">• National• European• International• Protect <p>Focus</p> <ul style="list-style-type: none">• Geographical• Sector• Cross Sector• Thematic <p>Links</p> <ul style="list-style-type: none">• Across National Boundaries• Within national boundary• CERTS or CSIRTS• Regulator• Government Bodies• Law Enforcement Bodies	Governance <p>Activity type</p> <ul style="list-style-type: none">• Long term community• Working group• Rapid response• Combined activity• Overarching strategy or advisory group <p>Leadership</p> <ul style="list-style-type: none">• Run by one from within• Run by a coordinating entity• Democratically Peer led <p>Funding</p> <ul style="list-style-type: none">• Mandatory Membership• Charging for value• Public pays all or some• Members own time and travel <p>Communication Style</p> <ul style="list-style-type: none">• Face-to-face• Virtual but personal• Computer based distribution• Computer based collaboration <p>Rules</p> <ul style="list-style-type: none">• Formal membership rules• Formal information usage agreements• Trust building policies• Membership requires security clearance	Services <ul style="list-style-type: none">• Research/Analysis• Good practice guides• Early warnings• Exercises• Awareness raising• Etc. Incentives <ul style="list-style-type: none">• Reduced exposure• Cost Savings• Access to valuable knowledge• Influence regulation or national policies• Etc.	Start up/ Sustainability <ul style="list-style-type: none">• Top down• Bottom up• Top down then grown bottom up• Bottom up then grown top down• Fire and forget• Split or merge

Tipuri de PPP

- ▶ “umbrella approach” - vizeaza intregul ciclul
- ▶ “prevention approach”- vizeaza fazele initiale ale ciclului
- ▶ “response approach”- vizeaza ultimele faze ale ciclului



Abordari identificate

- ▶ **Top Down** - When a PPP has evolved top down there was often a key government directive or strategic plan that set out a requirement for the PPP and then members were recruited.
- ▶ **Bottom Up** - when the evolution was bottom up, a community recognised a need and worked together to create the PPP and then more members joined.
- ▶ **Top Down then grown Bottom Up** - Some PPPs have developed in a way that combines both previous categories. It started top down with a strategic requirement but then the membership and leadership developed bottom up
- ▶ **Bottom Up then grown Top Down** - An informal group came together and recognised a need and then approached a top level authority which endorsed the approach, maybe providing funding and authority and then the organisation grow top down.
- ▶ **Fire and Forget** - A central body, often government led, creates a defining structure for a partnership, promotes its use but once the partnerships are created they are autonomous. A start-up kit may be supplied which may include tools and the ability to buy or register for services such as warnings or alarms.
- ▶ **Split or merge** - PPPs may recognise the need for a restructure. This can either result in splitting into two or more sub-groups in order to increase the specificity of the information and to reduce the size so that trust is developed or as interconnection of themes or skill sets are recognised PPPs may merge.

Successful Example - ACDC



- ▶ ENISA report : “Botnets: Measurement, Detection, Disinfection and Defence” (2011)
- ▶ Call for Proposal 2012 - ICT Policy Support Programme as part of the Competitiveness and Innovation framework Programme (CIP)
- ▶ ACDC Project (Execution: From 01/02/2013 to 31/07/2015)
- ▶ CERT-RO partener



Opinii

- ▶ Capitalul uman si cel de imagine ar putea genera mai multe proiecte de tip PPP dezvoltate intern (ESTONIA 2007 cyberattacks)
- ▶ Folosirea modelului de tip start-up pentru generarea de proiecte PPP
- ▶ Implicarea mediului academic in proiecte de cercetare si crearea unei curricule specifice domeniului de cyber-security (pe tot fluxul educational)
- ▶ Stimularea participarii mediului privat in proiectele europene Horizon 2020 (sprijin tehnic)

Q&A