

Portuguese Chapter of Internet Society 2020 Action Plan



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ISOC's Portugal Action Plan 2020

 **Internet Society**
Portugal Chapter
Lisbon, Portugal, 15/April/2020

ISOC.PT ANR 2020
Advanced Network Research
Workshop & PRIZE

 anrw-prize.isoc.pt

Steering Committee

Frédéric Donck (ISOC Europe, Chair)
Massimiliano Stuchi (ISOC Europe)
Alexandre Santos (Univ. Minho, ISOC PT)
Edmundo Monteiro (Univ. Coimbra, ISOC PT)
Henrique Domingos (UNL, ISOC PT)
José Legatheaux Martins (UNL, Chair ISOC PT)
Julião Braga (ISOC PT)

Important Dates

Call for Contributions:
1/Oct/19 to 1/Mar/2020
Author(s) Notification: 22/Mar/2020

Program Committee

Alexandre Santos (Univ. do Minho)
Edmundo Monteiro (Univ. Coimbra)
Fernando Ramos (Univ. de Lisboa)
Henrique Domingos UNL
José Alegria (Allice Portugal)
Nuno Cruz (ISEL)
Nuno Santos (Univ. de Lisboa)
Ricardo Morla (Univ. do Porto)
Rui Aguiar (Univ. de Aveiro)
Rui Prior (Univ. do Porto)
Salvador Pinto Abreu (Univ. de Évora)
Susana Sargentó (Univ. de Aveiro)
Teresa Vazão (Univ. de Lisboa)

Organization

> **Co-Chairs:**
Henrique Domingos (ISOC.PT, UNL)
Rui Aguiar (Univ. Aveiro)

> **Organization Committee:**
José Legatheaux Martins (ISOC.PT, UNL)
Rogério Rels (ISOC.PT, Univ. Porto)

 **Internet Society**
Portugal Chapter
Lisboa, Portugal, 21/November/2019

Lisbon Course on MANRS
Mutually Agreed Norms for

Routing Security

Specially aimed at ISPs and IXPs

 <https://manrs.isoc.pt>

Projeto “ePrivacidade Trocada por Miúdos”

- Projeto “ePrivacidade Trocada por Miúdos”
- O Portuguese Chapter da Internet Society e o Projeto “Miúdos Seguros na Net”, promovem o desenvolvimento de conteúdos em português e um concurso dirigido à juventude com o objetivo de difundir cuidados higiénicos no que toca à privacidade online.
- O projeto é financiado pela Internet Society Foundation
- Projeto conjunto com o projeto Miúdos Seguros na Net



Orçamento Preliminar 2020

Projeto MANRS (reuniões, seminários, curso) - 2.000€

Prémio de mérito científico para a atividade do IETF - Applied Network Research Prize (reuniões e viagens, evento de entrega do prémio incluindo invited speakers, despesas com o prémio) - 3.000€

Apoio ao reforço do projeto “ePrivacidade Trocada por Miúdos” - 8.000€

Apoio secretarial e de comunicação, desenvolvimento e suporte aos sites - 2.500€

Presença Web, Mailchimp, WebFence, Zoom, ... - 1.000€ (inclui IPv6, DNSSEC, AnyCast addressing, certificados digitais, 2 x 500 Gbytes de espaço, sem limites de tráfego, anti-denial of service, e CDN)

Serviços bancários - 100€

Contabilista certificado - 600€

Merchandising - 600€

Viagens - 700 €

TOTAL 18.500€, isto é, 10.500€ + apoio ao projeto “ePrivacidade”

Receitas: subsídios 3.000€, Quotizações 1.000€, Total 4.000€

Nota: o Projeto “ePrivacidade Trocada por Miúdos” tem um orçamento específico, controlado pela Internet Society Foundation, mas é também complementado por verbas do Capítulo. Nas contas finais, todas as receitas e despesas aparecem imputadas à contabilidade da Associação ISOC PT. A segunda parte do subsídio para o projeto sPrivacidade será de 11.000€ mas será para gastar em grande parte em 2021.



ISOC 2020 Chapters Training Program

The program was born to satisfy the increasing need of our Chapter leaders to engage their members locally in an impactful and informed way about some of the Internet Society's main initiatives.

The program is thus based on important topics of our 2020 Action Plan projects:

- **Shaping the Internet**
- **Securing Global Routing (MANRS)**
- **Building Community Networks**
- **Open Standards Everywhere**
- **Encryption**



ISOC 2020 Action Plan

- It has a different flavour of the previous ones (new CEO, ...)
- It is more focused and in part more "results oriented"
- However, the goals are narrow in my opinion



The Internet must be Open, Globally Connected, Secure and Trustworthy

- Globally connected means that any part of the network can communicate with any other part by using the same open standards and protocols.
- While no system as broad and diverse as the Internet can be completely secure, vulnerabilities and threats must be mitigated to acceptable risk levels, and design and deployment of services must follow the best practices we know.
- Trustworthiness requires the Internet to work in a resilient, reliable, and accountable way that consistently meets users' expectations, **(missing: including the defence of his or her human rights)**



II. Strengthening the Internet

Security and trustworthiness are preconditions to the Internet's use and growth



Promoting the Internet Way of Networking

- Fight state and market centralisation
- Fight winner-takes-it-all global economy
- Promote the “Internet way of networking”
- Fight centralisation mind sets
- Fight Internet fragmentation
- Promote cooperation and fight for sane regulation



Extending Encryption

- Effective encryption is key to secure online communications for everything, from financial transactions to healthcare. It is a foundational component upon which a trustworthy Internet is built
- Fight against policies, products and practices that undermine digital security
- Advance the use of end-to-end encryption



Securing Global Routing - MANRS

- Promote MANRS – Mutually Agreed Norms of Routing Security
- By the end of 2020 the number of organisations using MANRS should have doubled



Increasing Time Security

- Accurate time is essential for the trustworthiness of the Internet. Many general security mechanisms, such as the setup of encrypted channels and digital signature creation and verification, depend on accurate time information.
- This project will stimulate the implementation of secure network time protocols, raise awareness to promote adoption, and build capacity to decrease the cost and risk of deployment.



Promote the Use of Open Standards and Protocols

- This project will demonstrate and document the operational details of implementing open standards and best practices for secure web servers (e.g. DNSSEC, IPv6, and TLS 1.3), and translate them into easy-to-access and use resources that allow others to do the same.
- By the end of 2020, the project will have deployed four reference servers using two major open source web servers, each with and without a Content Delivery Network (CDN), reflecting common approaches in the target audiences.



III. Growing the Internet

Projects:

- Building Community Networks
- Fostering infrastructure and technical communities (Education, IXPs, supporting NOGs, ...)
- Measuring the Internet



Measuring the Internet

- This project addresses the need to have a single, easily identifiable place to go to find up-to-date data about trends that are shaping the Internet's infrastructure and the health of the Internet way of networking itself



- The information will be tailored to help a variety of stakeholders—including policymakers, researchers, and journalists—better understand the growth and evolution of the Internet along a variety of dimensions.

IV. Building Our Community and Extending our Voice

Founded by Internet pioneers, the Internet Society works with a diverse community of members, Chapters and Special Interest Groups. Strengthening engagement with our community is critical to the Internet Society's long-term success and it is a key component of most 2020 projects



Building our Community

- Strengthening engagement with our community is critical to the Internet Society's long-term success and it is a key component of most 2020 projects. Beyond project-specific engagement, in 2020, we expect to undertake a focused, coordinated effort to understand better the community's interests.
- Beyond the immediate Internet Society community, we will build partnerships, foster governmental and intergovernmental relations, and pursue fundraising opportunities at global, regional, and national levels.



Building our Community

We will continue to undertake targeted programs to connect individuals to vibrant communities helping to build the global Internet. This includes the ISOC Policy Fellows to the Internet Engineering Task Force (IETF), and the Youth at the Internet Governance Forum (IGF). Rising opportunities at global, regional, and national levels.

