

Funded Projects

NGI_Trust has funded 56 projects to support its goal of developing a human-centric Internet through a stronger European ecosystem of researchers, innovators and technology developers in the field of privacy and trust enhancing technologies. The projects were funded across 3 different calls and we have broken them down into nine thematic areas, as described below.

	<h2>Beyond Passwords</h2> <p>We need to move beyond passwords, and find a better way for users to manage the complexity of shared secrets and technical trust. 4 projects will work in this area, with projects looking at how we can use our mobile devices more effectively as tokens instead of the need for passwords, how we can better protect data on our mobile devices, and how we can improve the way that cryptography is used on hardware and in the core of our internet infrastructure. For more information see these projects: Keyn, CO P-MODE, CryRev, and TCN.</p>
	<h2>Better Privacy</h2> <p>It is essential for us to provide better privacy, particularly in areas where data is more sensitive and in how we present privacy information to our users. 5 projects will look at how we can both protect and utilise health data, how we deal with managing large amounts of data in the cloud and how we can better support users in understanding the legal issues around consenting to use services. For more information see these projects: b-smart, Edge-TINC, CAP-A, Deep Learning and MyPCH.</p>
	<h2>Safer Browsing</h2> <p>Safer browsing is essential to an ecosystem of privacy and trust. 3 projects will look at providing better informed safety for children online that doesn't block access unnecessarily to useful information, how we can improve VPN technology to provide a better user experience and how we can support the users needs more effectively in internet search rather than being driven by the wants of advertisers. For more information see these projects: CASPER, D4S, and ISIBUD.</p>
	<h2>User Control</h2> <p>To achieve a truly human-centric Internet, we need to have user control. The complexity and options when navigating a globally connected internet can be a daunting task. 6 projects will focus on user control to ease the decision making and customisation of settings to give the user a role in their internet. For more information see these projects: Cozy Cloud, EUACTIVE, DECIDE, Protect Yourself, INSTANT, and Decentralised Messaging.</p>
	<h2>Impact of AI</h2> <p>The Impact of AI is being seen in the daily lives of all of us, with growing concerns about the security and privacy of the Internet of Things. NGI_Trust has funded 6 projects in this area in call 2 looking at issues such as bias and fairness in AI, data stored by and used by cars, IOT sensors, machine learning, IOT certification and more. For more information see these projects: AMNESIA, COS CA, FAIR-AI, IZI, SePrice and TRUSTRULES.</p>
	<h2>Human-Centric Internet</h2> <p>Putting humans back at the centre of our technology is a core goal for NGI_Trust, and call 2 is funding 5 projects with a focus on the Human-Centric Internet. These projects will focus on mapping human-trust to technical solutions, support for marginalised and disabled users, designing privacy in UX design and security of sensitive data. For more information see these projects: BitofTrust, DECTS, LegiCrowd, PRIMAL and TrustedUX.</p>
	<h2>Stronger Tools</h2> <p>Many of the tools we use in our daily lives are now critical to how we live and work, but often have security and design flaws that are overlooked for usability reasons. In Call 2, NGI_Trust has funded 3 projects to focus on building Stronger Tools, including use of cryptography in modern collaboration tools, the use of quantum-cryptography, and improved tooling for supporting digital rights. For more information see these projects: Cryptpad, MQ2M, CUBBIT and SID:SO&C.</p>
	<h2>Effective Identity</h2> <p>Our interactions online often require us to make use of digital identity solutions and it is challenging for users to understand the best way to share, and not share, personally identifiable information. NGI_Trust has funded 4 projects to provide Effective Identity solutions to users. These projects look at a wide range of identity problems such as payment solutions and file transfer solutions without identity management, provenance of identity information and issues with the "privacy paradox" of when to share information. For more information please see these projects: DISSENS, MW4ALL, MidPrivacy and PURPETS.</p>



Personal Data Management

There is a strong interest in **personal data management** with the desire to both give users more control of their own data and to reduce the amount of data in the hands of commercial companies. [DAppNode](#), [Cassiopeia](#), [PaE Consent Gateway](#), [Solid4DS](#), [AP PSE](#) and [GeoWallet](#) will look at these issues from a variety of different angles including data sovereignty, control of mobility data and policy requirements.



Data Ethics

Alongside security and privacy, we need to think about **data ethics** and fundamental principles about data usage and the safety of users based on this data. This category includes projects looking at ethical issues with licensing, fake news, safety issues with vehicle data and access to the internet for children. 5 projects are in this category: [IRIS](#), [DeepFake](#), [Casper 2.0](#), [FAIR-AI 2.0](#) and [TruVeLedger](#).



Securing the Internet of Things

The growing use of smart devices at home, in offices and on the move creates significant issues with **securing the Internet of Things**. [MedIAM](#), [TOTEM](#), [PRIMA](#), [IoTrust](#), and [PY-2.0](#) will explore the many use cases in which we rely on IoT approaches, including smart medical devices, the connected home and remote working, privacy concerns in data collection and security of devices.



Advancing Identity

We have the opportunity of **advancing identity** approaches as we learn more about how our identities are used online. [AnonymAI](#), [MW4ALL 2.0](#), [Keyn 2.0](#) and [MidScale](#) will look at issues including identity free approaches to every-day tasks, automatic anonymisation of data and strengthening identity management systems. Several of these projects are projects advancing ideas already explored in previous NGI_Trust funding rounds.