



D5.2: Public website

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The project SODA has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 731583.

Project Information

Scalable Oblivious Data Analytics



Project number: 731583
 Strategic objective: H2020-ICT-2016-1
 Starting date: 2017-01-01
 Ending date: 2019-12-31
 Website: <https://soda-project.eu/>



Document Information

Title: Public website
 ID: D5.2 Type: DEC Dissemination level: PU
 Month: M3 Release date: 31.03.2017

Contributors, Editor & Reviewer Information

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Release History

Release number	Date issued	SVN version	Release description / changes made
0.1	20-03-2017	115	Initial version
0.9	28-03-2017	120	Incorporated reviewers' comments: fixed minor mistakes, added information about website's intended audience
0.9.1	28-03-2017	121	Removed spurious text from previous edit
1.0	31-03-2017	123	Finalized document

SODA Consortium

Full Name	Abbreviated Name	Country
Philips Electronics Nederland B.V.	PHI	Netherlands
Alexandra Institute	ALX	Denmark
Aarhus University	AU	Denmark
Göttingen University	GU	Germany
Eindhoven University of Technology	TUE	Netherlands

Table 1: Consortium Members

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1 Executive Summary

A public website for the SODA project, <https://soda-project.eu>, has been set up, currently containing a project summary and description; overview of the consortium; information on and links to the websites of all project members; project news; lists of publications and deliverables with download links, when available; information about impact; and contact information.

2 About this Document

2.1 Role of the deliverable

This deliverable describes public website of the SODA project.

2.2 Relationship to other SODA deliverables

The public website is part of the SODA dissemination strategy, as further described in deliverables D5.3 and D5.4.

2.3 Structure of this document

Section 3 describes the public website of the SODA project.

3 Public website of the SODA project

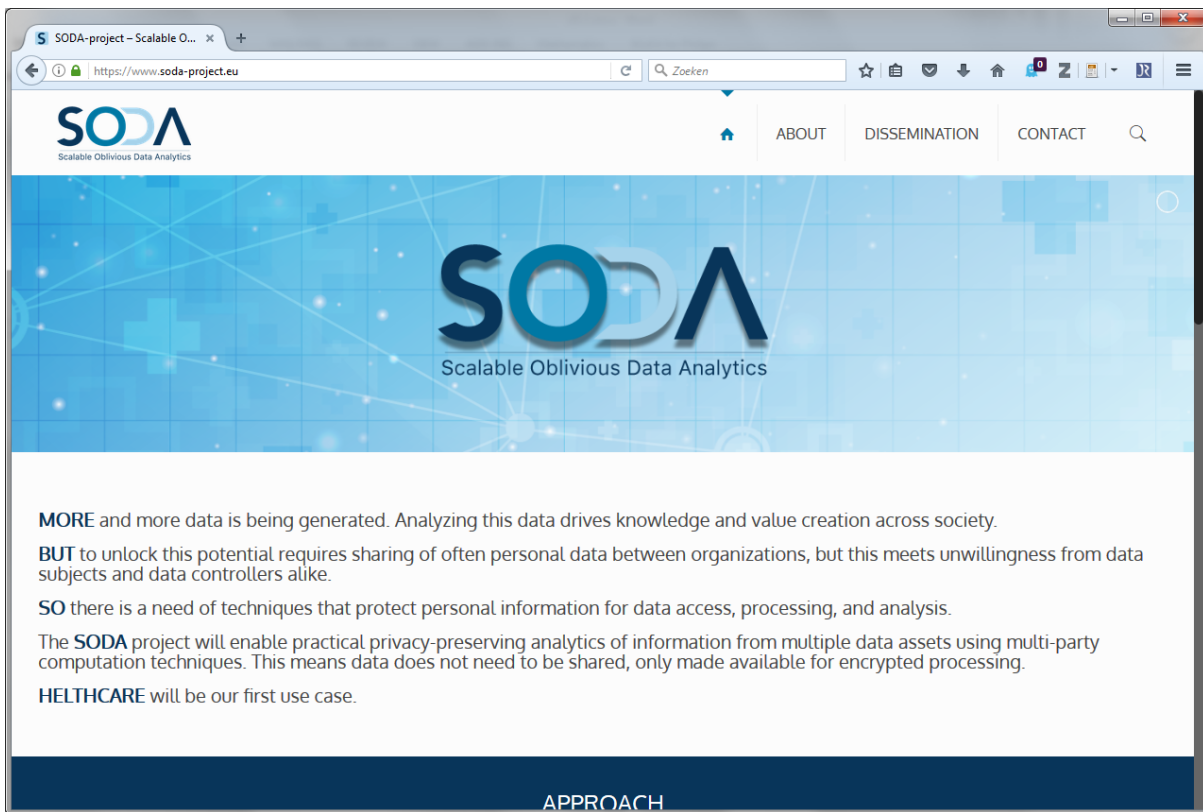
The SODA project has set up a public website as part of its dissemination strategy. The website has as target audience the following four groups, to whom we aim to disseminate the following information:

Target group	Information to disseminate
1) Businesses who are potentially interested in using SODA technology	<ul style="list-style-type: none"> • High-level explanation of SODA technology and other project results • Information on how SODA technology fits into and can improve existing data analytics systems
2) Data subjects	<ul style="list-style-type: none"> • High-level explanation of SODA technology • Information on how SODA technology can help protect their privacy
3) Developers	<ul style="list-style-type: none"> • Reference to FRESCO open-source MPC framework + documentation
4) Academics	<ul style="list-style-type: none"> • Detailed information about SODA's project results, including technical details about cryptographic protocols, data sets used for evaluation, and set up of user studies

The public website of the SODA project is hosted by Alexandra and available using secure HTTP (HTTPS) at <https://soda-project.eu> [1]. (The website is also available using non-secure HTTP at <http://soda-project.eu>, which redirects automatically to the secured version.) The website internally runs the Wordpress content management system [2], so that content of the website can be visually modified by project members without any particular technical expertise. Credentials to edit the website have been given to the appropriate project members.

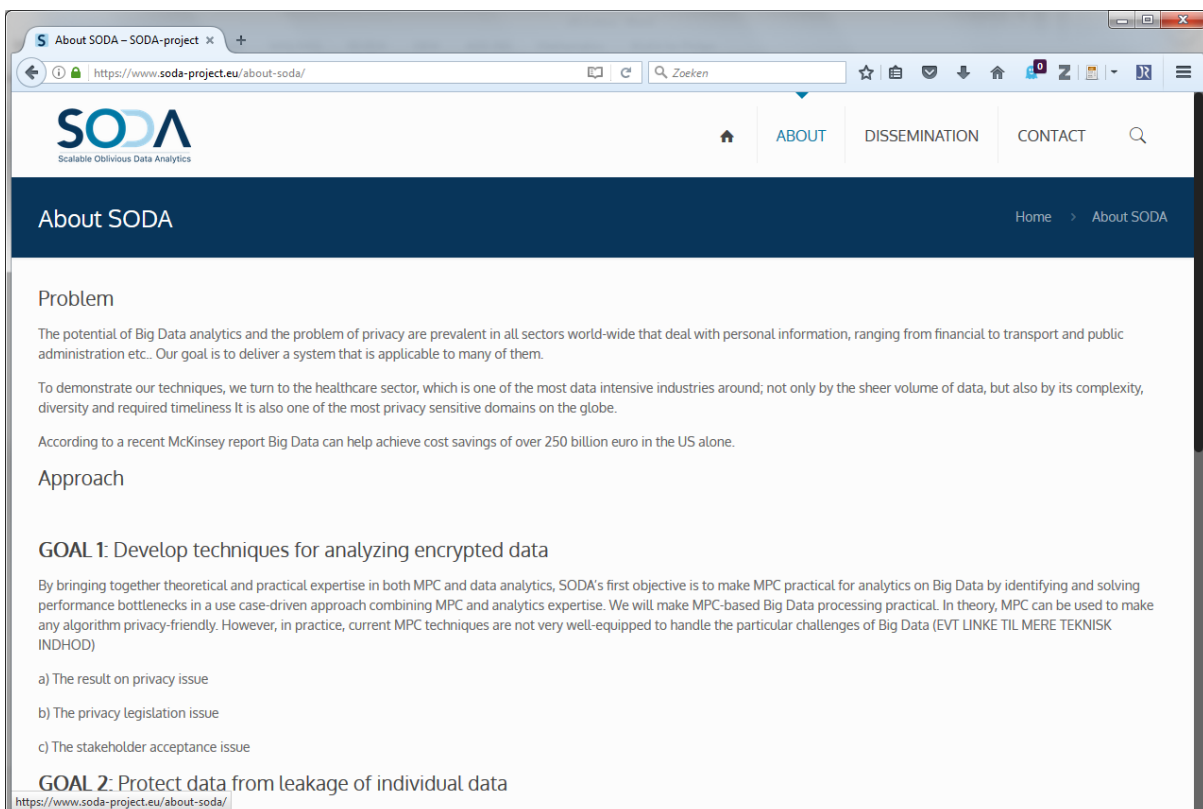
3.1 Home page

The home page contains basic information about the SODA problem statement and approach:



3.2 “About SODA”

The “About SODA” page contains more detailed information about the SODA approach:



3.3 “Consortium”

The “Consortium” page contains information about the SODA consortium members:

The screenshot shows a web browser window with the URL <https://www.soda-project.eu/consortium/>. The page title is "Consortium - SODA-project". The SODA logo (Scalable Oblivious Data Analytics) is at the top left. Navigation links include "ABOUT", "DISSEMINATION", and "CONTACT". The page content is titled "Consortium" and includes the following text:

The SODA project aims to tackle exactly data protection and anonymization issue identified by the BDVA, enabling practical privacy-preserving analytics on Big Data by significant improvement of MPC techniques for privacy-preserving Big Data processing.

SODA will provide analytics on sensitive information beyond the privacy-utility trade-off and will therefore enable to unlock the immense potential hidden in privacy sensitive Big Data.

PHILIPS ELECTRONICS NEDERLAND B.V.

Royal Philips is a diversified health and well-being company, focused on improving people's lives through meaningful innovation in the areas of Healthcare, Consumer Lifestyle and Lighting. The company is a leader in cardiac care, acute care and home healthcare. Headquartered in the Netherlands, Philips posted 2015 sales of EUR 24.2 billion and employs approximately 113,000 employees with sales and services in more than 100 countries. In 2016 Philips sharpened its strategic focus by establishing two pure play, customer-focused companies in the areas of HealthTech and Lighting Solutions.

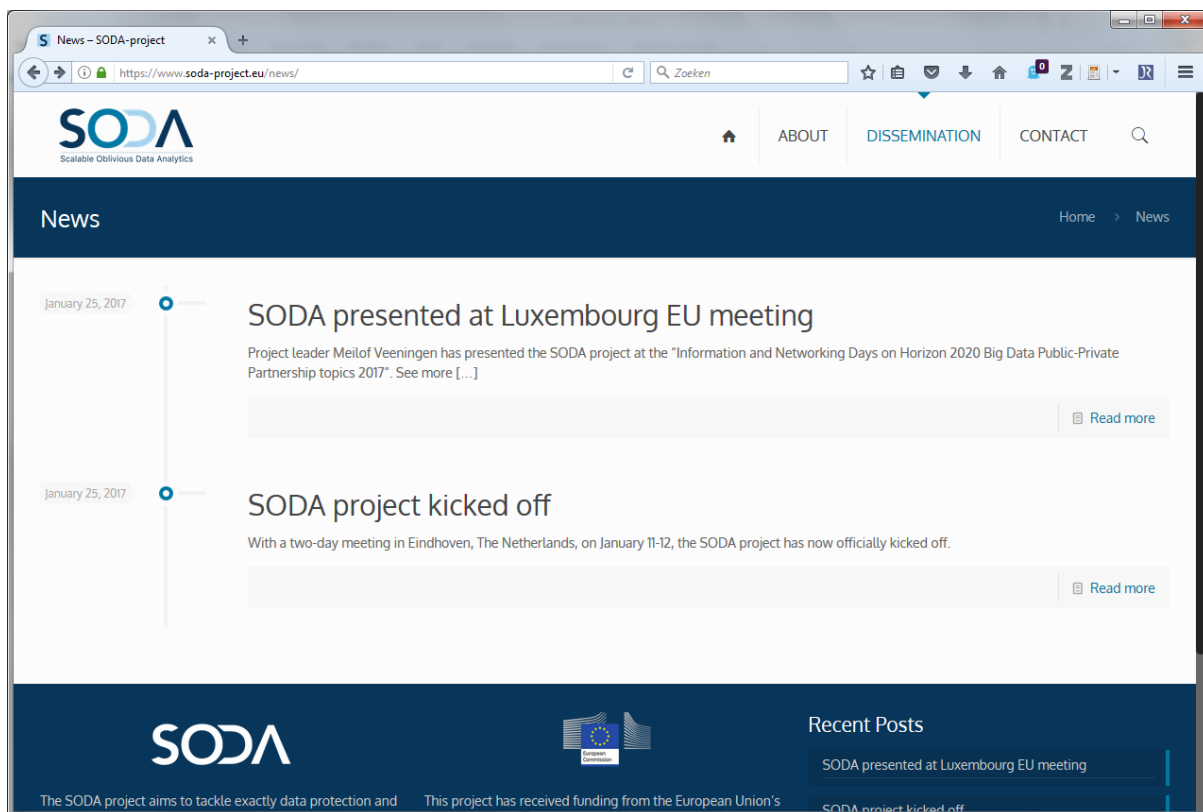
The Data Science department in Philips Research, headed by Prof. Milan Petković, combines experienced researchers in the domains of data management, analytics, security and advanced computing. The group employs several cryptographers with a background in multi-party computations. It also houses many data scientists that together cover the whole spectrum of work on Big Data in medical and healthcare settings.

TECHNISCHE UNIVERSITEIT EINDHOVEN

Eindhoven University of Technology (TU/e) is a leading international university specializing in engineering science & technology. TU/e contributes through excellent teaching and research to progress in the technical sciences, to the development of technological innovations and as a result to the growth of welfare and wellbeing, both within its own region (technology and innovation hotspot Eindhoven) and beyond it. TU/e was founded in 1956 to give a vital boost to the economy in the South East of the Netherlands. This is still one of the primary

3.4 “News”

The “News” page contains a selection of news, mainly on relevant dissemination activities:

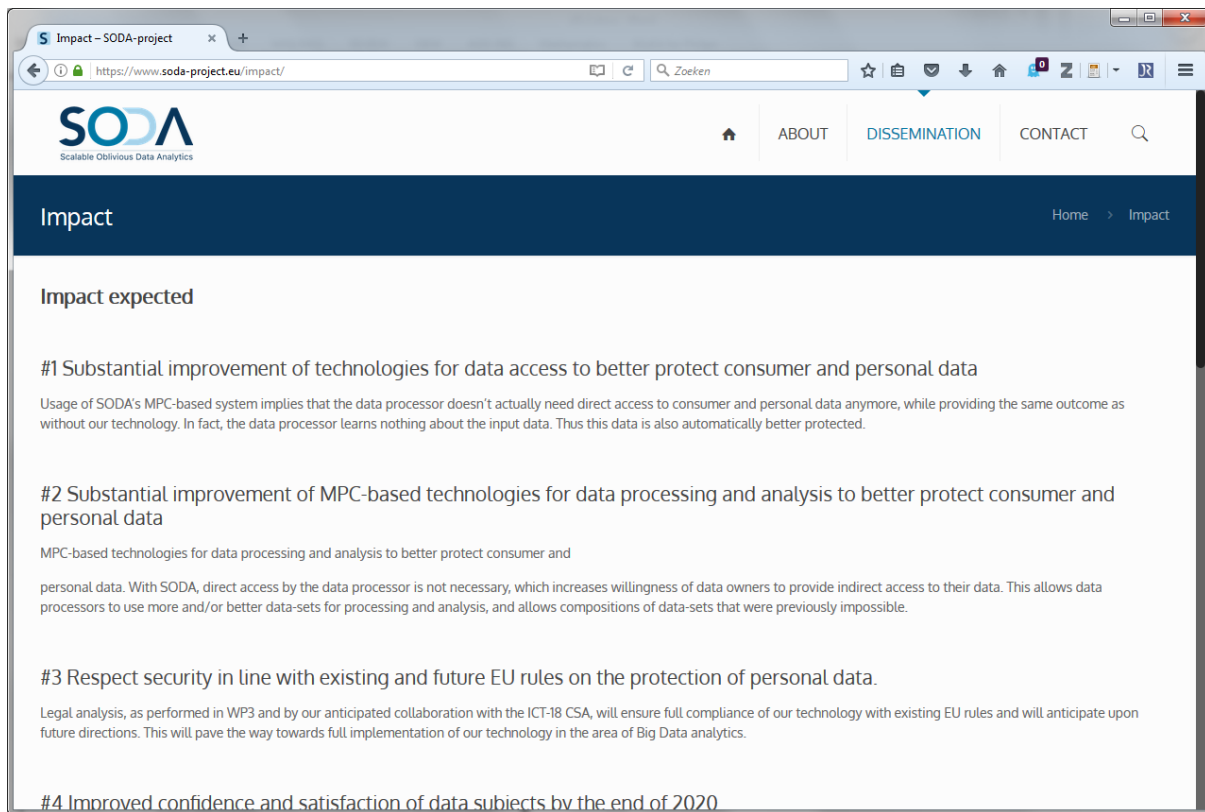


3.5 “Deliverables”

The “Deliverables” page, currently still empty, will contain links to public deliverables.

3.6 “Impact”

The “Impact” page contains information about the expected impact of the SODA project:



Impact Home > Impact

Impact expected

#1 Substantial improvement of technologies for data access to better protect consumer and personal data

Usage of SODA's MPC-based system implies that the data processor doesn't actually need direct access to consumer and personal data anymore, while providing the same outcome as without our technology. In fact, the data processor learns nothing about the input data. Thus this data is also automatically better protected.

#2 Substantial improvement of MPC-based technologies for data processing and analysis to better protect consumer and personal data

MPC-based technologies for data processing and analysis to better protect consumer and personal data. With SODA, direct access by the data processor is not necessary, which increases willingness of data owners to provide indirect access to their data. This allows data processors to use more and/or better data-sets for processing and analysis, and allows compositions of data-sets that were previously impossible.

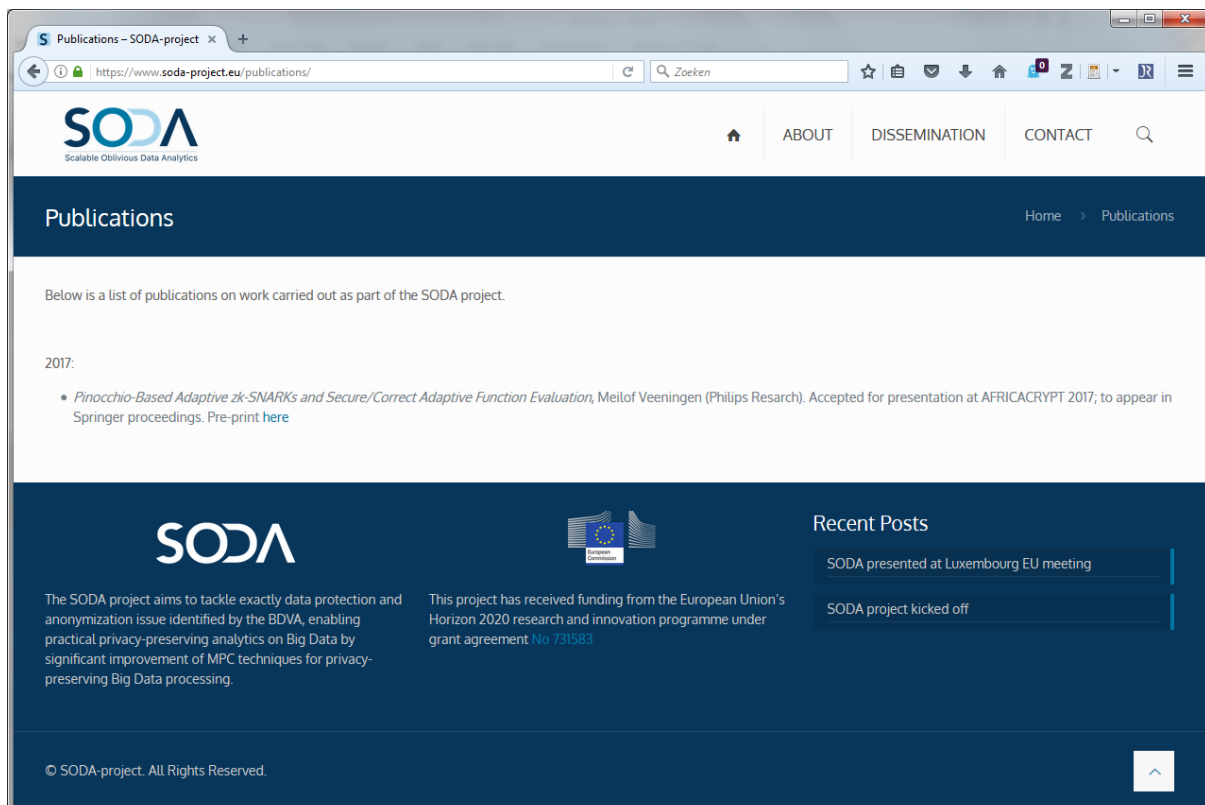
#3 Respect security in line with existing and future EU rules on the protection of personal data.

Legal analysis, as performed in WP3 and by our anticipated collaboration with the ICT-18 CSA, will ensure full compliance of our technology with existing EU rules and will anticipate upon future directions. This will pave the way towards full implementation of our technology in the area of Big Data analytics.

#4 Improved confidence and satisfaction of data subjects by the end of 2020

3.7 “Publications”

The “Publications” page contains a list of publications covering work of the SODA project, with download links where possible:



Publications Home > Publications

Below is a list of publications on work carried out as part of the SODA project.

2017:

- *Pinocchio-Based Adaptive zk-SNARKs and Secure/Correct Adaptive Function Evaluation*, Meilof Veenigen (Philips Research). Accepted for presentation at AFRICACRYPT 2017; to appear in Springer proceedings. Pre-print [here](#)

Recent Posts

- SODA presented at Luxembourg EU meeting
- SODA project kicked off

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3.8 “Contact”

The “Contact” page contains contact information for the primary contacts of the consortium members:

The screenshot shows a web browser window displaying the SODA project contact page. The page features a dark blue header with the SODA logo and navigation links for ABOUT, DISSEMINATION, and CONTACT. Below the header, the contact information for five consortium members is presented in a grid-like layout. Each member's profile includes a portrait photo, their name, affiliation, and contact details such as email and a website link.

Name	Affiliation	Role	Email	Website
Meilof Veeningen	PHILIPS	SODA project manager	meilof.veeningen@philips.com	http://meilof.home.fmf.nl/
Claudio Orlandi	Aarhus University	Dept. of Computer Science	orlandi@cs.au.dk	http://cs.au.dk/~orlandi/
Prof. Dr. Gerald Spindler	Göttingen	Institute of commercial law		
Berry Schoenmakers	TU/e	Department of Mathematics and Computer Science	berry@win.tue.nl	https://www.tue.nl/en/university/departments/mathematics-and-computer-science/the-department/staff/detail/ep/e/d/ep-uid/19880465/
Jonas Lindstrøm	The Alexandra Institute	Senior Security Architect, Ph.d	jonas.lindstrom@alexandra.dk	https://alexandra.dk/dk/om_os/medarbejdere/jonas-lindstroem

4 Bibliography

[1] "SODA website," [Online]. Available: <https://soda-project.eu/>.

[2] "Wordpress website," [Online]. Available: <https://wordpress.org/>.