



D7.1

Internal and external IT communication infrastructure and project website

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Abstract:	The external IT communication infrastructure constitutes a guideline for communication of the EXFILES project to external target groups including conferences, marketing measures and communication channels. Furthermore, this deliverable constitutes the launch of the internal EXFILES communication infrastructure including the establishment of mailing lists, a subversion repository server and the EXFILES website.
Keywords:	Collaborative tools, project infrastructure, website, internal and external communication



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Executive Summary

This deliverable provides an overview of the EXFILES project internal and external IT infrastructure. It consists of four main chapters and a chapter of summary and conclusion.

Chapter 1 serves as an introduction to the topic. It gives an overview of the deliverable and the IT infrastructure.

Chapter 2 describes the corporate visual identity of EXFILES, which provides visibility and recognisability. The subsections present the actions taken to create a visual identity of the project and to raise its awareness, such as to easily remember its name and core objectives. It includes the project logo and associated colours, as well as the internal and external project templates.

Chapter 3 presents the communication kit, consisting of the project website, the announcement letter, the project leaflet, as well as Social Media channels and the EXFILES newsletter.

Chapter 4 introduces the so-called “Collaborative Tools”, more specifically the respectively the tools composing the internal and external IT infrastructure of EXFILES. The mailing list servers and telephone conference systems have been established for the internal communication.

Another very important tool is the project internal file sharing platform. It serves as a central file repository where all project partners can get access to the required documents, as demonstrated in Chapter 4.

The established environment enables state-of-the art, efficient and user-friendly collaboration and dissemination of information and provides the ideal administrative basis for the project work.

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Chapter 1 Introduction

This deliverable provides an overview of the EXFILES internal and external IT communication infrastructure, which consists of a set of tools and procedures to facilitate the cooperation among the beneficiaries, the project coordinator, the EC, interested stakeholders and the general public.

Additionally, this deliverable contains the launch of the internal EXFILES IT communication infrastructure, including the establishment of mailing lists and a project internal file sharing platform, as well as the EXFILES website. A more detailed description of the project's website will be given in Chapter 3.

Aside from the project website, a whole set of tools foster the cooperation within the project and enable the dissemination of project results to the general public. Technikon has recently developed a system, called "Trusted-Knowledge-Suite" (TKS), for distributed project collaboration. This trusted collaborative toolbox was awarded an Austrian ICT innovation prize for its security and completeness. The toolbox was incorporated into the architecture, which was initiated and configured for EXFILES. The main components of the knowledge management infrastructure include the following:

- A public dissemination website
- A file sharing and collaboration platform for organizing files and documents with-in the project
- Mailing list server (Mailman) as primary means of communication between participants

Figure 1 presents the overall architecture of EXFILES's IT tools, which are described in the following chapters.

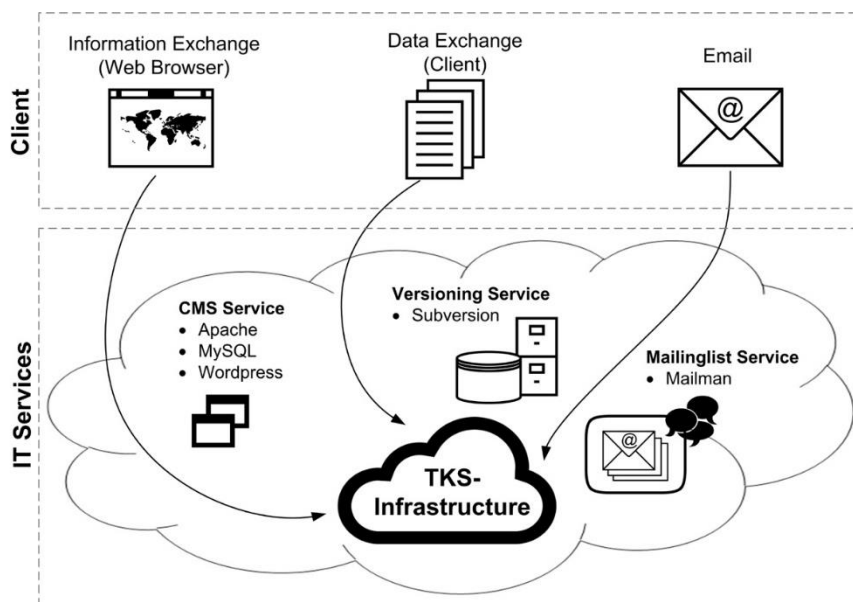


Figure 1: TKS infrastructure

Chapter 2 Visual Identity of EXFILES

The creation of a corporate visual identity plays a significant role in the way the EXFILES project presents itself to both internal and external stakeholders. A corporate visual identity expresses the values and ambitions of our project and its characteristics. Our corporate visual identity provides the project with visibility and recognisability. It is of great importance that people are aware of the project and remember its name and core objectives as “[SU-FCT02] Projects should ensure outreach, to raise knowledge and awareness of cybersecurity issues among a wider circle of professionals” (from the call). The following subchapters present the actions, which were taken to create a visual identity of the project.

2.1 Project Logo

To improve its visibility, the EXFILES project has adopted a project logo. The final logo was chosen by the consortium during the Kick-off meeting. These logos will be used in all dissemination tools from internal documents and reporting templates to external communication tools such as the website, presentations and brochures. This consistent graphical identity will support effective communication and recognizable dissemination activities. The two versions of the logo, inverted and the vertical, are shown in Figure 2.



Figure 2: EXFILES logo

2.2 Project Templates

The project identity reflects in all documents created by the consortium for internal as well as for external use. The project management team established templates for different formats as MS-Word, MS-Excel, MS-Power Point, and Latex. The templates for documents and presentations are accessible to all project members. The templates are important to ensure a coherent theme and a consistent visual appearance of the project. An example of a template is shown in Figure 3.



The EXFILES project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 883156

EXFILES

H2020 PROJECT:

<Title / WP / etc.>

<meeting, date, location>

<beneficiary name>

<e-mail address>

Extract Forensic Information for LEAs from Encrypted SmartPhones

EXFILES Grant Agreement No. 883156



"The EXFILES project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 883156."

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Figure 3: EXFILES Power Point Template

Chapter 3 Communication Kit

This chapter describes the EXFILES overall communication kit, which includes the project website, as well as all communication and dissemination materials used within the project. These materials will be used for marketing measures of the project. All these materials are freely accessible for download on the project website.

All the project material will be marked with the following sentence:



“This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 883156.”

3.1 EXFILES Project Website

For the visibility of the project, the project website was launched at the end of M02 / beginning of M03 of the project. The website constitutes the main communication tool, which will be used to spread all kinds of project information and dissemination materials. The website is designed to provide a user-friendly and informative environment.

The EXFILES project website is available on the following link: <https://www.exfiles.eu/>

The design of the website is based on the templates and colours of the EXFILES Logo to establish a strong project identity in all communication activities.

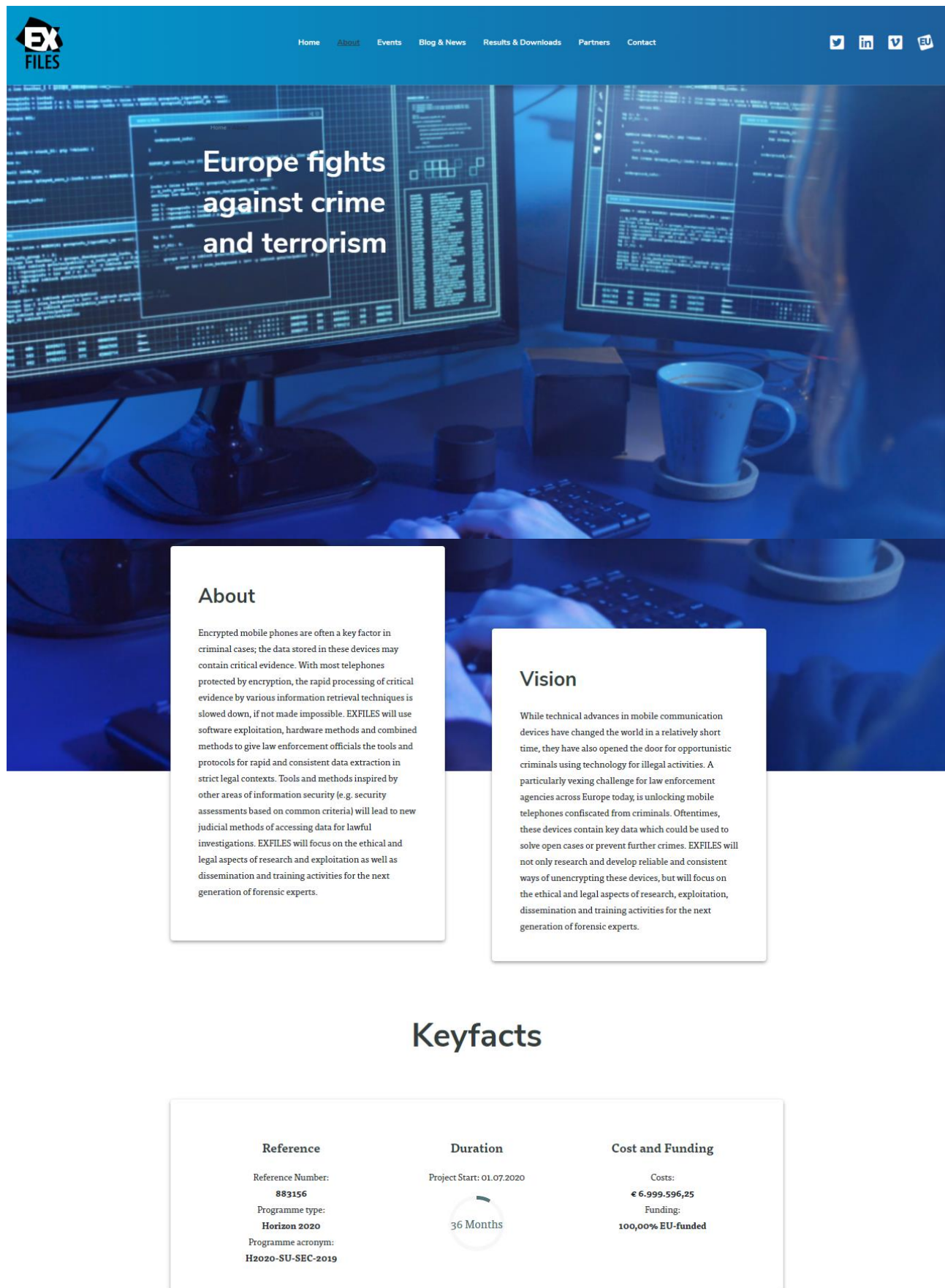


Figure 4: EXFILES website

3.2 EXFILES Announcement Letter

On 15th July 2020 the official EXFILES announcement letter was published on the website of Technikon and is now also available on the official project website: <https://exfiles.eu/results-downloads/>

3.3 EXFILES Leaflet

The EXFILES consortium created an official leaflet. Technikon check the content with the project partners and was responsible for its overall design and dissemination to all partners via the project internal file sharing platform. It is an informative and graphically appealing A5 leaflet, highlighting the EXFILES vision, main goals, key technological aspects as well as background information and can be used for distribution at conferences or certain other dissemination events to provide further visibility to the EXFILES project. An electronic version of the leaflet will be available on the EXFILES website.

In particular, the project leaflet will cover the following aspects of the project:

- Project details, such as duration, funding and project number;
- Project vision;
- Project main goals;
- The consortium members and their country of origin;
- The contact persons for the project.

The leaflet is shown in the figure below.

Partners

The EXFILES consortium consist of 14 highly qualified and diverse partners from 7 different countries. The 14 partners are well-balanced mix of the Law Enforcement Agencies, five high-tech SMEs, two research organisations and two universities.

Partners:

- TECHNIKON** (Austria): Technikon Forschung und Planungsgesellschaft mbH
- CIB** (France): CIB Cyber Intelligence Bureau
- Milieu de l'Environnement** (France): Milieu de l'Environnement
- CYBER** (Spain): Cyber Intelligence Bureau
- ESQUADRA** (Spain): Esquadra
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Facts

- Budget**: € 7 Million, 100% EU-funded
- Consortium**: 14 Partners, 7 countries
- Duration**: 36 Months, 07/2020 - 06/2023

Contact

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EXTRACT FORENSIC INFORMATION
for Law Enforcement Agencies from Encrypted Smartphones

About

Encrypted mobile phones are often a key factor in criminal cases; the data stored in these devices may contain critical evidence. With most telephones protected by encryption, the rapid processing of critical evidence by various information retrieval techniques is slowed down, if not made impossible. EXFILES will use software exploitation, hardware methods and combined methods to give law enforcement officials the tools and protocols for rapid and consistent data extraction in strict legal contexts. Tools and methods inspired by other areas of information security (e.g. security assessments based on common criteria) will lead to new judicial methods of accessing data for lawful investigations. EXFILES will focus on the ethical and legal aspects of research and exploitation as well as dissemination and training activities for the next generation of forensic experts.

Vision

While technical advances in mobile communication devices have changed the world in a relatively short time, they have also opened the door for opportunistic criminals using technology for illegal activities. A particularly vexing challenge for law enforcement agencies across Europe today, is unlocking mobile telephones confiscated from criminals. Oftentimes, these devices contain key data which could be used to solve open cases or prevent further crimes. EXFILES will not only research and develop reliable and consistent ways of unencrypting these devices, but will focus on the ethical and legal aspects as well. EXFILES will disseminate in a responsible way to ensure future forensic experts will be able to leverage and build upon the project results.

Mission & Objectives

To be able to extract information from encrypted devices, a holistic approach (software and hardware) is required. The aim is, therefore, to find ways to access protected evidence by using semiconductor industry knowledge coupled with software exploitation techniques. EXFILES will focus on the following objectives:

- Categorise smartphones used by criminals
- Advance and update existing tools to improve reverse engineering of specific mobile devices
- Combine software and hardware techniques to produce advanced solutions
- Make evidence extraction from modern encrypted smartphones affordable and practical
- Improve law enforcement agencies' capabilities regarding encryption and increase information sharing
- Involvement of all stakeholders from different domains
- Provide guidelines and recommendations for law makers and law enforcement agencies
- Evaluate the results against real use cases

Figure 5: EXFILES Leaflet

3.4 EXFILES Social Media

The use of social media is crucial in spreading project information to a large audience. Therefore, social media will be actively used during the project lifetime to disseminate the project's ideas and results. In particular, the project will use Twitter and LinkedIn to this end.

- *Twitter* is an online social networking service and micro blogging service that enables its users to send and read text-based messages of up to 140 characters, known as "tweets". The EXFILES project is available on: <https://twitter.com/ExfilesH>
- *LinkedIn* is a social networking site for people in professional occupations or simply a social network for business. The EXFILES project has a public page. It can be accessed via: <https://bit.ly/3kMkcDd>

Direct links to the EXFILES Twitter Account and the LinkedIn page can be found on the EXFILES website.

3.5 EXFILES Newsletter

The EXFILES Consortium will regularly publish a newsletter, informing about the main outcome and results of the project. In fact, newsletters are an efficient communication channel to provide news on the project progress, and to discuss ongoing topics relevant to EXFILES for internal and external project partners, stakeholders and other interested bodies. In addition, publications and participation in conferences will be promoted in the newsletters. External newsletters can be found on the EXFILES website (<https://www.exfiles.eu/>), and are posted via the EXFILES Social Media accounts to raise further public awareness.

3.6 EXFILES Podcast and Videos

The EXFILES consortium will publish podcasts on a regular basis. TECHNIKON's media department will record these podcasts at the project meetings or remotely and share them on <https://euvation.eu/> and via a podcast-hosting platform (OmnyStudio) under the channel "EUVATION" (<https://euvation.eu/>) on Spotify, iTunes and Google Podcasts. The links to the podcasts will also be published on the different social media channels.

In addition, project videos will be produced and published. Every year video material with durations of up to 2 minutes and animated 2D/3D content will be produced by TECHNIKON and published on Vimeo. These videos will then also be shared on the website and on the EXFILES Social Media accounts.

The EXFILES project announcement video can already be found on the website and on vimeo following the link: <https://vimeo.com/technikon/exfilespa>

Chapter 4 EXFILES Collaborative Tools

A set of collaborative tools are provided by the administrative support and the coordinator to facilitate the cooperation within the project and to assist in the coordination work. These tools are:

- A project internal file sharing and collaboration platform for keeping track of documents
- A mailing list system for information exchange.
- GoToMeeting and other systems (for remote telephone conferences)

4.1 Project internal file sharing platform

The consortium uses a project internal file sharing and collaboration platform provided by Partner TECHNIKON. This system offers:

- Integrated file hosting and –sharing
- Collaboration software for office documents,
- Calendar
- Chat and video conference tool
- Survey tool.

The data is stored in Europe and every connection to and from the server is encrypted with current standard encryption method.

4.2 Mailing List Server

Several mailing lists are available to the project members for easy communication with a set of participants. For subscriptions and other management tasks, it is necessary to write an email to the Coordinator. The Coordinator controls the access in order to ensure the integrity of the lists.

TECHNIKON has set up a mailing server with a wide range of different mailing lists, where all people who are responsible for the various sections are subscribed.

The different EXFILES mailing lists are described in the following table:

- All mailing list
- GA mailing list
- Technical mailing list
- WP mailing lists
- Financial mailing list
- Legal mailing list
- Publication mailing list

4.3 Telephone Conference System

In addition to the planned face-to-face meetings, telephone conferences for EXFILES will be held on a regular basis. A tool provided by TECHNIKON will be used for the monthly EB conf. calls. This web conferencing tool, called GoToMeeting, allows EXFILES partners to host online meetings. Users can either dial in via a local client (VoIP) or use the dedicated Country code, which is provided by the organizer. GoToMeeting provides the possibility to share any application on EXFILES members' computers in real time. For the other conf calls which need to be performed during the project (e.g. internal WP conf calls) the system provided by the coordinator or other telephone conference systems (e.g. Zoom or WebEx) provided by Partners will be used.

Chapter 5 Summary and Conclusion

This document provides an initial documentation of the EXFILES communication infrastructure as well as its IT infrastructure.

First, a presentation of the visual identity of the EXFILES project, including the project logo and project templates, is given. A corporate visual identity expresses the values and ambitions of the EXFILES project and its characteristics. The visual identity provides the project with visibility and recognisability.

The EXFILES communication kit consists of the EXFILES project website, the announcement letter, the project leaflet, as well as Social Media channels, the EXFILES newsletter and podcasts and videos.

Through publishing all relevant public information of the project on the official EXFILES website, the website will be kept lively and external visitors will immediately see the current news and activities. Further, this allows more interaction and communication within and outside the EXFILES Consortium. In general, we grant open access to all communication and dissemination materials published on the project website. If in a certain case, other licence requirements have to be taken into consideration, this will be marked accordingly.

The EXFILES communication kit and IT infrastructure provides an essential benefit for all project partners. All project partners are able to access all project relevant information and documents. Further, the communication environment, including the announcement letter and leaflet, the website, Social Media and the newsletter, but also the instant messaging system, different mailing lists, and conference call systems, help to distribute relevant information and create transparent efficient working conditions.

Finally, we have strived to apply the EXFILES values of innovation, security, and European strategic autonomy to the project's tools and infrastructure. Although these domains are continuous works in progress, we believe that we should lead the way forward.

Chapter 6 List of Abbreviations

Abbreviation	Translation
BEN	B eneficiary
CMS	C ontent M anagement S ystem
HTTPS	H ypertext T ransfer P rotocol S ecure (used for a secure connection between Browser and Web server)
NDA	N on- d isclosure A greement
TP	T hird p arty
TKS	T rusted K nowledge S uite