

Document Due Date: M06 (29/02/2020)

Document Submission Date: M06 (28/02/2020)

Work Package 10: Dissemination and exploitation

Document Dissemination Level:

Public



Abstract

The Dissemination plan deliverable provides a specification of the strategy defined and the methodology followed for D4FLY Dissemination and Communication (D&C) activities, as well as their planned implementation. This is the first version of the deliverable referring to the D&C plan that will be followed throughout the project lifecycle. The next version will report on the plan effectiveness towards achieving its objectives and propose a plan of new D&C activities for the afterlife of the project.

Aiming to raise awareness on the D4FLY project outcomes a list of objectives has been defined followed by methods to achieve those. A set of Key Progress Indicators (KPIs) to monitor and measure the plan efficiency is proposed along with a specification of the workflow of planned D&C activities.

To create impact to the community through the release of the D4FLY solutions and research results, the targeted audience has been identified. The D&C plan has been defined considering the specific needs of the targeted groups by selecting the appropriate communication and dissemination channels, tools and activities.

The importance of establishing a network of stakeholders and maintaining communication with them and the end-users during the project lifecycle is noted. Clustering with relevant H2020 projects is also proposed as a way of delivering a coherent message for the future of EU Border Control and Security.

Several communication channels and material has also been created aiming to engage further the travellers and border guards, the scientific community and the related industry.

Project Information

Project Name	Detecting Document frauD and iDentity on the fly
Project Acronym	D4FLY
Project Coordinator	Veridos GmbH
Project Funded by	European Commission
Under the Programme	Horizon 2020 Secure Societies
Call	H2020-SU-SEC-2018
Topic	SU-BES02-2018-2019-2020 Technologies to enhance border and external security
Funding Instrument	Research and Innovation Action
Grant Agreement No.	833704

Document Information

Document reference	D10.1
Document Title	D10.1 Dissemination plan 1
Work Package reference	WP10
Delivery due date	M06 (29/02/2020)
Actual submission date	M06 (28/02/2020)
Dissemination Level	Public
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Document Version History

Version	Date created	Beneficiary	Comments
0.1	16.12.2019	NCSR D	First draft
0.2	16.02.2020	NCSR D	First version
0.3	19.02.2020	NCSR D	First Internal review
0.4	24.02.2020	NCSR D	Second version
0.5	25.02.2020	NTNU	Second review
0.8	25.02.2020	NCSR D	Third version
0.9	27.02.2020	NCSR D	Third review
1.0	28.02.2020	NCSR D	Final version ready for submission

List of Acronyms and Abbreviations

ACRONYM	EXPLANATION
BCP	Border Control Point
D4FLY	Detecting Document fraud and iDentity on the fly
D&C	Dissemination and Communication
DOVIDs	Diffractive Optically Variable Image Devices
EC	European Commission
ELAG	Ethical & Legal Advisory Group
EU	European Union
eu-LISA	European Union Agency for the Operational Management of Large-Scale IT Systems in the Area of Freedom, Security and Justice
GDPR	General Data Protection Regulation
IA	Information Architecture
IAPR	Independent Authority for Public Revenue
ICT	Information Communication Technology
KPIs	Key Performance Indicators
OBJ	Objective
PoC	Point of Contact
Q&A	Questions and Answers
SAB	Security Advisory Board
WP	Work Package

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1 INTRODUCTION

1.1 Background

A concrete plan of Dissemination and Communication (D&C) activities is the key for creating impact to the wider public and be able to recommend changes to existing policies so that D4FLY solutions could be integrated to the existing Border Control infrastructure. By defining a rigorous strategy and methodology for D&C activities and defining methods to engage the targeted audience, D4FLY results public outreach could be successful supporting also their future extension through further research and development activities with networked parties.

1.2 Aim of this document

This document describes the plan defined for the D4FLY D&C activities, specifies the different targeted communities aimed to impact and the measures taken to eliminate risks. It outlines also a list of methods and tools selected to promote the diffusion of information on the D4FLY key achievements to end-users, the scientific community, the industry and the policy makers.

The aim of this document is to provide to its readers a clear description of:

- The D&C plan objectives, KPIs, workflow and countermeasure taken to avoid risks.
- The targeted communities aiming to create impact.
- The methods followed to raise awareness, eliminate concerns to the wider public and establish collaborations for future studies and developments.
- The individual D&C activities planned by each D4FLY partner.
- The communication material designed, and the tools and channels used to maximise results outreach.

1.3 Document structure

This deliverable starts by providing in Chapter 2 a clear specification of the D4FLY D&C strategy. The objectives of D&C are outlined followed by a list of KPIs for monitoring the planned activities success and providing a way for measuring their impact. Next, the dependencies with other work packages (WPs) are defined and an initial workflow is entailed.

Chapter 2 continues with the presentation of the targeted audience and their expected role in creating impact. Last, a list of potential risks is detailed and mapped to mitigation actions that should be undertaken to minimize their effects.

Chapter 3 provides a specification of the D&C methodology to be followed aiming to raise awareness. A plan for engaging stakeholders throughout the project duration is outlined and the actions planned for security, ethics review and EU guidelines compliance of the D&C activities. Ways to manage internal communication and monitoring of planned dissemination activities are presented next. The organization of a dedicated D4FLY workshop for the diffusion of the project results is also presented followed by a definition of activities to cluster with related H2020 projects.

Chapter 4 presents an initial plan of consortium activities to support D&C divided in four subsections according to their specialization and role: Academic research partners, Applied research partners, Industry partners and End Users.

Chapter 5 provides a detailed presentation of the channel's setup and the tools for digital and online communication (website, social media, newsletters, videos, collaborative tool) and the non-digital materials created (leaflet, posters) concluding with ways to monitor and measure related KPIs defined.

Finally, Chapter 6 provides a summary of the D&C plan and defines future actions.

2 D4FLY DISSEMINATION AND COMMUNICATION STRATEGY

The D4FLY Dissemination and Communication (D&C) strategy is defined early in the project under the aim to ensure that the project results and key achievements will be effectively and efficiently communicated to the targeted audience. A set of objectives have been formed to assess the projects communication and dissemination strategy success followed by a list of Key performance Indicators (KPIs). A plan for engaging stakeholders in the dissemination and communication activities has been formed targeting to maximize impact to the Border Control Community and a wider adoption of its results. Potential D&C risks are also identified and countermeasures for their mitigation are specified.

2.1 Objectives

The following objectives has been defined for the dissemination and communication of D4FLY:

- OBJ1 to guarantee the impact of D4FLY on European end users and economy through the planning and management of exploitation and dissemination and follow-on activities,
- OBJ2 to develop the interactive and responsive D4FLY communication material,
- OBJ3 to safeguard the process of exploitation of results and to investigate the market exploitation potentials,
- OBJ4 to ensure wide discussion and communication of the D4FLY results with / to all potential interested parties and the wider audience during the D4FLY lifecycle,
- OBJ5 to guarantee that external feedback on D4FLY is forwarded to the relevant D4FLY WPs and governance structures.

Those objectives are aimed to be addressed by following a specific methodology for raising awareness, a concrete D&C plan and creating a set of digital and non-digital communication tools and relevant material.

2.2 KPIs

To evaluate the project’s capability to disseminate and communicate effectively its results and achievements, the following KPIs have been defined for each mean of tool created and used.

TABLE 1 LIST OF KPIs

Tool/Mean	KPI
Website	Have at least 2000 accesses per year on average
Social Media - Facebook	Have at least 200 followers – Have at least 1 post per month and 10 views per post
Social Media - LinkedIn	Have at least 200 followers - Have at least 1 post per month and 10 views per post

Social Media - Twitter	Have at least 200 followers - Have at least 1 post per month and 10 views per post
Social Media - Vimeo	Upload at least 2 videos – Have at least 200 views per video
Newspaper articles & media appearances	Publish at least 10 articles/blog posts
Extent of distribution of materials	Distribute non-digital material in more than 10 countries
Conferences and exhibitions	Participate and promote the project in at least 10 conferences or exhibitions
Articles in Scientific Journals	Publish at least 5 articles in high impact scientific journals and one article in a Policy journal such as Policy & Internet (Wiley) or Policy Research (Elsevier)
Focused events - workshops	Participate in at least 5 dissemination events with organizations relevant for uptake after project – organize at least one workshop per year designed for targeted users and researcher’s community
Link to other projects	Create synergies with at least 2 other border and biometrics related projects
Standards	Contribute to at least one relevant standard
Cooperation	Establish cooperation with at least three other European and international initiatives to exploit the D4FLY services and products

2.3 Workpackage dependencies

The effective implementation of the Dissemination and Communication plan relies to the project’s milestones achievement and the deliver on time of the targeted outcomes of each WP and its corresponding tasks.

Scientific publications are based on the research outcomes of WP5, WP6, WP7 and WP8 that experiment and evaluate innovative technological concepts and implementations. The deliverables of those four WPs are expected to lead to high impact articles publications and conference presentations. Those activities will be communicated also through blog post on the website and posts through the social media accounts.

On the other side the feasibility of field tests running and WP9 targets reach requires a successful communication plan in order to reach and engage in the process the necessary number of participants that will from the test subjects and evaluators of the solutions. The creation of promotional videos to communicate the D4FLY concept visually is highly dependent to WP4 and more specifically T4.3 that deals with the D4FLY demonstrators’ delivery.

Activities in WP3 that deals with Ethics and Privacy issues should monitor and provide feedback on communication and dissemination good practices to avoid delivering messages to the target audience that make them conscious concerned about personal data privacy.

2.4 Workflow and planned activities

To address the aforementioned objectives of the project in terms of D&C, a phased approach has been design as depicted in the following table.

TABLE 2 D&C WORKFLOW

Phase 1 (M1-M6):	Phase 2 (M7-M30)	Phase 3 (M31-M36)	Phase 4 (M36+)
<ul style="list-style-type: none"> • D4FLY “Brand” Identity • D4FLY Website • Social Media accounts • Initial Project Information Material (flyer, poster, banner, general presentation) • Targeted audience specification • Plan for dissemination events, conferences and workshops • Establish trusted communications with local authorities 	<ul style="list-style-type: none"> • Scientific papers & articles • Conferences & Workshops attendance and organisation • Project Information Material updates • Website and social media updates • Community Established and engagement of Target Audience • Synergies creation 	<ul style="list-style-type: none"> • Exploitation Activities • Promotion of field tests evaluation results 	<ul style="list-style-type: none"> • A sustainable plan for the next day following the final review

The D&C is divided in four different time phases following the workplan of the project and the availability of results from the independent tasks.

The first three phases are following the project lifecycle up to M36 while Phase 4 deals with afterlife dissemination and communication activities.

2.4.1 Phase 1

Phase 1 deals with the setup of tools and the creation of digital and non-digital communication means aiming to lead to raising awareness and introduce the concept of D4FLY to the wider audience. This phase runs from M1 up to M6 of the project lifecycle.

A **brand identify** has been created and specified for the project through the design of the D4FLY logo and the creation of templates for the project deliverables and presentations.

At this phase, the **D4FLY website** has been developed and made available online forming the key digital medium for publishing on the web the main project information, updates and news about planned dissemination and communication activities. The website will be also maintained for 3 years after the end of the project.

Social media accounts have also been created in four widely used social networks: Twitter, Facebook, LinkedIn and Vimeo.

Initial version of the **project information non-digital material** has been also created including a 4 pages leaflet, a poster for general use and a general presentation of the D4FLY concept.

The **targeted audience** has been also identified and activities involving the project's Stakeholder Group have been organised.

A list of future relative and interested **dissemination events, conferences and workshops** has been defined in order to select to target the most efficient ones in terms of creating impact to the Security and Border Control community.

Through the support and networks of the D4FLY end users, **trusted communications with local authorities** have been established forming a network of national nodes (authorities and practitioners) in order to support the feasibility of field tests and assist the adoption of the project results in the future.

2.4.2 Phase 2

Phase 2 (M7-M30) focuses on the dissemination of the key D4FLY achievements and results the further engagement of the targeted audience.

Scientific papers and articles will be compiled and submitted to targeted relevant security conferences and workshops on specific D4FLY research topics to further raise awareness among the scientific and industrial community. Follow-up research activities will also be planned through collaborations with other projects.

Conferences and Workshops will also be organised to disseminate the D4FLY objectives and outcomes to the widest scientific, industrial and practitioners' audience possible. Two D4FLY benchmarking workshops will be organised as part of T9.7 activities with a duration of one or two days and effort will be given to their communication through the D4FLY website and social media aiming for the highest participation. Effort will be given to the organisation of events that are inter-disciplinary under the scope to exploit further the result of the project and define further research directions. The goal of the workshops' organisation is to promote discussion on the D4FLY outcomes and feedback suggesting possible improvements to address and much possible the needs of the end users and increase the community interest on the developed solutions.

Updates will be performed on the first released **project information material** including the newest results and developments. Press releases and newsletters will be also released upon milestones reach. New presentations, leaflets and brochures will be designed and a promotional video for the project will be created and uploaded on Vimeo. The material will also be published to the D4FLY website.

The **website** will also be continuously updated including news blogs and providing information on planned events. Those activities and achievements of the project will also be posted in the **social media** in order to keep the communities engaged and continue communication.

Moreover, effort will be given to establish and enlarge the D4FLY **community of stakeholders**. Beyond the Stakeholder Group members, communication will be also established with policy makers, Eu Beneficiaries EU agencies and Security Networks as also groups of practitioners.

Synergies will be targeted by taking advantage from consortium members participations in related networks, local community networks and by links with other projects in the field of Security in which the D4FLY consortium members participate or have participated in the past.

2.4.3 Phase 3 & 4

Phase 3 will run the last six months of the project lifecycle and will focus on creating impact, linking dissemination activities to exploitation and positioning of the project through benchmarking analysis.

Field tests evaluation results will be promoted in this phase through the creation of a corresponding video, relative press releases and final presentations on the D4FLY main achievements.

Exploitation of the project results will also be designed and planned during that phase. Several ways to adopt the D4FLY solutions will be specified and communicated to the interested parties and communities. A strategy for afterlife future collaborative activities between the consortium will also be designed providing also guidelines and recommendations for follow-up activities.

Phase 4 refers to the afterlife activities of the project and during that period the plan defined at phase 3 for project results uptake and exploitation should be followed.

2.5 Target audience identification

D4FLY project aims to create impact to all communities and people dealing with border control services. In general, its results aim to influence the way EU Citizens travel by providing a faster and more secure border pass procedure using biometric, blockchain, AI technologies and smartphone applications. Border guards and practitioners in related border authorities involved in all modalities (air, land, sea) are expected to benefit through the simplification of the process supported by on-the-fly identity verification services and more accurate identity fraud detection technologies. Policy and legislation authorities will be informed on the social effects of the developed solutions through the release of the lessons learnt after the field studies completion. Publication of scientific results aims to contribute to the research community and benchmarking results to affect industrial partners developing solutions for border control security services.

2.5.1 Scientific community

The main technological and research achievements of the D4FLY project will target to be communicated to the scientific community. This includes scientific and research-oriented institutes and organisations, such as universities, research centres, educational institutions and organisations (public/private), technological centres working in the area of security, public and private institutions involved in research activities.

Publications in peer-reviewed conferences and journals will be targeted by the D4FLY consortium partners focusing on selecting those of high impact and relevancy according to the field of research.

A dedicated workshop will be also organised at the final phase of the project focusing on main research and innovation achievements presentation, system and individual components demonstration and field tests evaluation results interpretation. The workshop will target to create future collaborations, define further research activities and exploit the project results.

The research outcomes will also be communicated through the D4FLY website and social media channels, conference presentations, speeches at border security events and meetings and individual partners research social networks such as Academia, ResearchGate and Google Scholar.

2.5.2 Policy makers and civil and security authorities

D4FLY examines the possibilities of innovative biometric technological solutions for real-time identity verification of travellers during border control. It aims also to introduce solutions for automatic fraud detection in identity and breeder documents and. Smartphone applications are also developed targeting to make easier the inspection of travellers identity in scenarios with no-fixed border control points (such as in coaches and cruise ships with intermediate stops). Those technologies are not being incorporated in the current legislation of border control processes.

By evaluating the social impact and positive effects of the D4FLY solutions for both travellers and border guards, the project aims to make further policy recommendations and suggest improvements to the existing legislations.

Policymaker stakeholders will be identified and engaged throughout the project lifecycle in order to contribute to the introduction of acceptable novel solutions by the D4FLY consortium that address their needs. Engagement of policy stakeholders will be achieved through dedicated communication and dissemination activities, such as presentation of the project results to Border Control Security events.

Recommendations and feedback will be requested from the stakeholders through communication activities to ensure that solutions developed could be integrated in the existing Border Control systems and Law Enforcement procedures.

Introduction of changes to the legislation and initiation of new policies could be achieved through the D&C of D4FLY results to national and local decision makers. The European Commission can propose changes to laws to the European Parliament with EU council to make the final decisions.

D&C activities reaching the European Data Protection Supervisor (EDPS), Directorate General for Home Affairs, EU Council, ICAO TRIP and national/regional/local standardization bodies (CEN, CENELEC, ETSI, ISO, W3C) will also be planned.

Representatives of European Union Agencies (EA) will also be targeted through the planned D&C activities including organizations such as FRONTEX, European Border and Coast Guard Agency, EUROPOL, European Union Agency for Law Enforcement Cooperation, (CEPOL) European Union Agency for Law Enforcement Training and eu-LISA - European Agency for large-scale IT systems.

Emphasis will be given to the communication of the project results and their impact to Border Guard Authorities practices through their involvement to the field test activities. National border guard authorities are linked to member states ministries and able to communicate further potentials of D4FLY to decision-making legal and political authorities.

2.5.3 Industry and funding organisations

Communication of the D4FLY results to interested industrial partners will be achieved first through the sharing of news, key achievements and planned events of the project using the industrial partners companies' websites, social channels and potential newsletter lists. Planned activities include also dedicated press releases and internal communication of the results to the partners organisations and their professional network.

Dissemination of the results to the industry dealing with border control and security solutions will be achieved through dedicated presentations to community events and exhibitions and targeted newsletters release and distribution.

Networking meetings will also be planned with representatives from similar EU and national funded security projects aiming to discuss and define future opportunities for collaboration and extension of the projects' results.

Potential industry stakeholders will be identified from Security SMEs and industry, Organizations involved in procurement, distribution and sales of security technologies, technology development professionals, mobile/portable and versatile solutions market.

D4FLY will give effort also to reach through its D&C activities planned potential funders for the future extension of its solutions such as Government funding bodies, Banks, European Structural & Investment (ESI) Funds and the European Investment Bank (EIB).

2.5.4 General Public, End users and practitioners

Another goal of the D&C activities of the D4FLY project will be to outreach its results to the general public and the targeted end users of the developed technologies and processes. Targeted audience should include also networks, committees and practitioner groups dealing with border control and security such as COSI, ILEAD, ENLETS, IATA and ACI. Creating impact to the border control end user and practitioners involved, such as the travellers and border guards will enhance the project potentials for exploitation and further research activities.

Effort will be given so that the results could be communicated to the wider public using the D4FLY website and its social media accounts using simple language. Citizens are able to influence national policies and law transformation on border control and security processes.

It is crucial therefore to first get the acceptance of the citizens on the communicated results addressing any ethical, security and data privacy concerns that may arise.

Communication to the wider public through social media and interviews to the press should be carefully designed avoiding misconception due to no clear messages and negative perception of the project results and the consortium research and development activities.

2.6 Risks and mitigation

Several risks could occur during the implementation of the Dissemination and Communication plan. First there is the risk of failing to address the defined KPIs and therefore not create the expected impact to the targeted audience. A continuous monitoring of the project's dissemination activities should be performed followed by the monitoring also on the activity on the website and social media. In case of identifying that the project is not of track remediation

actions and alternative solutions should be enforced. In case scientific publications promised failed to get published or published on time due to workload for the project tasks alternative should be looked in other forms of online article publishing of results such as through Medium or website blog posts.

The feasibility of the project activities could also be seriously affected by changes to legislation of Border Control procedures or due to Brexit that could require changes to the field tests planning.

A plan for mitigation actions has been established and should be continuously followed and updated for addressing the identified risks and news issues that may arouse during the project lifecycle. Risks have different impact and therefore require the planning of diverse countermeasures and mitigation actions.

The table below presents identified risks, their probability and impact severity and the mitigation actions planned.

TABLE 3 RISKS AND MITIGATION

Risk description	Effects on D&C	Likelihood	Impact	Mitigation
Results planned to be disseminated in future events and activities are not available on time.	Planned Events and Publications need to be postponed as project output is not available.	M	H	Such issues need to be identified early through continuous communication with the partners involved. The management team should proactively consider alternative publications and even alter event topics.
KPI targets set for the website and social media are not met	Dissemination and communication activities fail to address objectives	M	H	Alternative activities should be included in the plan such as online communities blog posts and press releases. Partners should contribute further in sharing the website news posts and social media posts through their personal communication channels.

Negative media coverage	Targeted audience has a negative perception on the project - Negative implications due to relevant public debate and controversy	M	H	Define a strategy and assign responsibilities in the consortium for addressing media requests and communication.
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2.7 Media communication strategy

A clear strategy has been defined early in the project lifecycle defining how project results should be communicated to the media and how journalist requests for interviews should be handled. A plan also has been established for dealing with media and political attention. The project outputs should be communicated defining clearly how ethics and privacy considerations are addressed through the support of the Ethics expert partner.

In order to communicate coherent messages about the project activities and targeted outcomes, a Q&A dedicated page has been created on the D4FLY website. This page hosts answers to questions under the aim to clarify how the consortium deals with ethical and privacy issues and concerns.

Moreover, national contact points have been assigned for each pilot country that are responsible for monitoring and providing updates from local, press, national media channels, political news to the consortium. Those national contact points have the responsibility also to communicate any media request first to the project coordinator and the D&C management team. Those national contact points have also the knowledge about data privacy methods followed in the project.

A general Communication Contact (Point of Contact) from D&C management team has been also defined. Any journalist requests to consortium members or media issues spotted should be reported first to the PoC.

3 D4FLY DISSEMINATION METHODOLOGY

3.1 Approach overview for raising awareness

The success of the D4FLY planned dissemination activities relies to effectively raising awareness on the D4FLY developments and research outcomes to the targeted communities. The main goal therefore is to define a rigorous methodology for disseminating the project key achievements to the interested bodies: border guard authorities and travellers, policy makers and law enforcement organisations, scientific community and the industry in the field of security and related Information Communication Technology (ICT) solutions.

Aiming to raise awareness through D4FLY dissemination, the consortium will focus on:

- Creating strong communication links with stakeholders and engage them in dissemination activities.
- Eliminating ethical, privacy and security concerns on the developed technologies for border control systems
- Adapting the dissemination activities according to the targeted audience needs
- Provide and promote a clear specification of the ways D4FLY technologies could be adopted in border control existing processes to assist their exploitation
- Create synergies to define common further research activities
- Discover new market opportunities

Dissemination activities will focus on publishing information promoting the project results while explaining how D4FLY could assist in addressing bottlenecks caused in border control points, avoiding delays in border check processes and identifying more effectively and on time identity fraud.

Aiming to raise awareness to the scientific community and potential investors, the project will invest in publications of high impact journal articles. An initial list of indicative targeted scientific journals relevant to D4FLY research fields had been defined and provided in Annex A. Final selection of publications and effort invested will be defined upon availability of research results. In order to be in line with H2020 policies and recommendations for publishing research outputs, the target will be to share publications as Open Access aiming also at creating higher impact. Public deliverables and other dissemination material will be also made available for download through the D4FLY website.

Project results will also be promoted through the consortium partners planned participation in related conferences. Presentations on the D4FLY achievements and planned research will also be given to industry events such as border control security events and congresses and events organised by FRONTEX. A preliminary list of such events has been also created to assist the planning of the consortium participation and preparation of attendance, material required and presentations.

Common dissemination activities will also be planned with members of linked EU projects that are on the same field of research to reach a wider audience. A dedicated workshop will also be organised close to the end of the project to present the final project results, lessons learnt and benchmarking analysis outcomes. The workshops will focus also on engaging further the target audiences and stakeholders and establishing future collaboration for further research and exploitation activities during project afterlife.

3.2 Stakeholders engagement

Stakeholder play a key role in assisting the dissemination activities and providing feedback on delivering the right messages to the targeted audiences according to their needs. They represent and have connections with different groups of end users and interested communities in the areas of the project research and development. It is considered therefore crucial to engage a list of different stakeholders from the early stages of the project and focus on elaborating this group throughout the project lifecycle by planning targeted dissemination activities.

Taking advantage of the consortium professional connections, a preliminary list of stakeholders of different type has been defined aiming to maintain communication with them during all phase of the project and involve them in several project activities. Such activities include the definition of the user needs and the specification of the project use case scenarios, the planning and execution of the field tests and the approach towards addressing ethical and privacy concerns.

The selection of the stakeholders engaged has been made based on their field of specialisation and their role and involvement in the areas of Border Security Control and the security ICT solutions industry.

A preliminary stakeholder group has been formed assigned the advisory role to the consortium on designing solutions and disseminating the project results in accordance to the targeted end-users needs and interests. This stakeholder group outlined below will assist the dissemination of the project results to a wider audience playing the role of the final arbiters of whether the D4FLY concepts and technologies are of “common sense”. A dissemination goal of the project is to be able to maintain but also expand this stakeholder group during the project lifecycle.

TABLE 4 INITIAL STAKEHOLDERS LIST

Stakeholder	Country	Business field
Finnish Border Guard	Finland	Border authority
SITA Advanced Travel Solutions	UK	International company providing IT to air transport industry
EPF: European Passenger Federation	Belgium	Voice of public transport users in Europe
Mobile Edge UK	UK	Technology company focusing on IT based security solutions
PWPW: Polish Security Printing Network	Poland	Producer of security prints including ID cards
Finland National Police Board	Finland	Passport and ID card issuance in Finland
Chris Hurrey (inandoutcomes)	UK	Border control and technology innovation expert

Wilfred Covent	Belgium	Senior Security Expert (Document Fraud & ABC), Brussels Airport
ADVP	UK	Promote wider use of risk based electronic validation of identity documents across public & private sectors
Ministry of Infrastructure and Transport	Greece	Policy maker in transport systems

A first 2-days workshop with the participation of stakeholders has been organised on the 21st and 22nd of January 2019 in Amsterdam. Representatives from ADVP, EPF European Passenger Federation, Finland National Police Board, UK inandoutcomes, PWPW, SITA and the Finnish Border Guard managed to attend the workshop. The first day workshop focused on involving the stakeholders an end-user attending in defining the user requirements (WP2) while the second on the ethical, social and legal impact (WP3) of the project’s solutions for identity and document verification. Both workshops were successful followed by focused discussions with the stakeholder that provided insights on the D4FLY solutions integration feasibility, expected impact, and issues regarding user needs and concerns that need to be considered during implementation.



FIGURE 1 WORKSHOP INVOLVING STAKEHOLDERS AND END-USERS IN AMSTERDAM

3.3 Security advisory board

A lot of D4FLY deliverables that describe project results have been changed from public to confidential (CO) or EU RESTRICTED (EU_RES) limiting dissemination of those information. This was due to security scrutiny of the project that recommended also the setup of a dedicated Security Advisory Board responsible to assess the sensitivity of the project deliverables prior

to their publication as also the screening of any dissemination publication providing recommendations for modifications to their content.

The D4FLY consortium has already formed the Security Advisory Board (SAB), consisting of three members with extensive knowledge on security issues and best practices. One of the members in part of the NCSR team that is leading the Dissemination activities.

The main responsibilities of the SAB in relation to dissemination activities are to:

- review all WPs public deliverables from a security sensitivity point of view prior to dissemination outside of the consortium;
- monitor and review any publications and dissemination activities in the context of security sensitivity;
- provide independent advice and feedback about security issues arising in the project, on request by any beneficiary or through monitoring of activities, alerting the consortium and Coordinator accordingly;
- collaborate closely when needed with the Coordinator for handling security issues;
- ensure the application of the security rules for protecting EU classified information as per the Commission Decision (EU, Euratom) 2015/444 of 13 March 2015.

3.4 Ethical & Legal Advisory Group

Under the scope to disseminate the project results limiting concern of personal data privacy to the targeted audience, an Ethical & Legal Advisory Group (ELAG) has also been created consisting of independent experts in this area. ELAG's role is to monitor continuously the project developments and outcomes providing feedback on how to handle any ethical, legal or societal concerns coming from the stakeholders and the targeted audience. The Ethical Advisory Board provides additional advice and consultancy when needed and will support the project activities during its lifecycle. The dissemination activities will be designed avoiding discrimination on religion or belief, grounds of gender, sexual orientation, racial or ethnic origin, age or disability. The goal of D4FLY is to design solutions and disseminate results of the processes followed and outcomes that are in accordance with ethical and privacy standards.

The main responsibilities of ELAG is:

- To be the voice of the European public in the project and to represent their interests.
- To provide multi-faceted input on legal and privacy issues in border security applications.
- To assess the relevance and the completeness of the ethical and legal work in D4FLY.

3.5 Compliance with EU guidelines

3.5.1 EU Visual Identity Guidelines

D4FLY follows the EU visual identity guidelines by ensuring that the EU logo will be used in every communication and dissemination digital and non-digital presence. The Disclaimer and acknowledgement will be used in every D4FLY publication or other dissemination and

communication mean. The communication and dissemination material will follow also the brand identity of D4FLY, its colours and fonts.

The D4FLY Website, Social Media accounts, Newsletters, Posters, Leaflet, Videos, Presentations, Letters and Templates will include the D4FLY Disclaimer and the EU emblem according to the Visual Identity Guidelines EC 2017¹.

Disclaimer: “This project has received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement No 833704”



FIGURE 2 D4FLY EU ACKNOWLEDGEMENT EXAMPLE

3.5.2 GDPR and Ethics Compliance

The D4FLY Dissemination and Communication Plan has been formed in accordance with EU General Data Protection Regulation (GDPR) and Ethics compliance regulations. WP3 activities led by D4FLY partner Trilateral Research focus on data protection and privacy as also ethical, social and legal impact assessment. Guidelines for conducting research and development activities addressing ethical and data protection issues have been provided to the consortium on M3 of the project through the release of D3.1. Templates of informed consent forms for the field tests and any data collection or research activity that involves human subjects were also created and made available to the consortium.

Trilateral Research will continue advising the consortium members for the whole duration of the project, monitoring the partners dissemination and communication activities and providing guidance to ensure ethical and privacy compliance.

An External Ethical & Legal Advisory Group (ELAG) has also been formed and will be responsible for advising and supervising every phase of research activity on emerging ethics, privacy and security issues.

Any communication with 3rd parties will be following GDPR regulations asking for their consent before any further correspondence such as subscribing to newsletters or sending direct letters and invitations. D4FLY website includes a Privacy Policy dedicated page and interactive widgets to inform and ask for the consent of its visitors on the use of cookies for tracking their activities.

3.6 Activities internal communication and management

In order to manage and keep track of targeted, confirmed and completed dissemination activities by the D4FLY consortium partners, a live document has been created in the form of a Google excel spreadsheet. NCSR D has created the document template and circulated the link to the consortium providing guidelines for the activities report. This dissemination radar map facilitates the planning and the communication of interested future

¹ https://ec.europa.eu/info/sites/info/files/eu_emblem_rules.pdf

events/conferences/workshops to D4FLY partners. It assists also the security review and approval of activities declared by the Dissemination Manager.

A	B	C	D	E	F	G	H	I	J	K	L	
	D4FLY DETECTING DOCUMENT FRAUD AND IDENTITY ON THE FLY	Status (Draft, Approved, Cancelled, Completed)	Contact Person (Name, Surname)	Start and End Date (DD/MM/YYYY-DD/MM/YYYY)	Activity Type (Assessment, Workshop, Conference, etc.)	Event Title	Event Location (Venue name, City, Country)	Who attended from D4FLY	Target Audience (e.g. practitioners, academia, general)	Attendance (approx. number of attendees)	Description of participation (between 3-20 lines)	Event URL
1		Completed	Armin Reuter, Yencos	16.09.-18.09.2019	Conference	EAB Research Projects Conference	Darmstadt, Germany	Armin Reuter, Dennis Kitzmann	EU research projects	60	Presentation of D4FLY project outcomes	https://www.eab.org/events/program177
2		Completed	James Feynman, University of Reading	23.10.-24.10.2019	Conference	TechNet Europe 2019	Bratislava, Slovakia	James Feynman	Practitioners	500	Presentation: 'Biometrics on-the-move for Border Security'	https://eu.eventscloud.com/home/1917/IE19programme/
3		Completed	Aselė Vainčiukė, SPFI	09.12.-12.12.2019	Press release/ TV announcement & Activity	Study visit to Lithuania						
4		Approved	Antonio Dimerakis, NTNU	28/09/2020-01/10/2020	Conference	International Joint Conference on Biometrics 2020 (IJB 2020)	Houston, USA	Antonio Dimerakis and Theodoris Theodoris	Academia, Enterprises, Practitioners	approx. 200	Presentation on preliminary results on the somatotype biometric used for identification	https://ieee-biometrics.org/ijcb2020/index.html
5		Approved	James Feynman, University of Reading → Harris → Grazia	10.02.2020	Workshop	Workshop on Countering Emerging Threats in Document and Identity Verification in Border Security (in conjunction with Border Security 2020)	Rome, Italy	James Feynman, Martin → Graeme	Practitioners, Industry, Academia	30	Overall organisation of workshop which includes presentation of D4FLY project	https://www.ami-online.co.uk/defence/europe/border-security/#tab_associate&tab_
6		Completed	Armin Reuter, Yencos	31.01.2020	Workshop	SECURE SOCIETIES: FIRST PROJECT TO POLICY WORK OFF SEMINAR	Brussels, Belgium	Armin Reuter	EC (DG Home, Frontex, EC REA)	30	Presentation of D4FLY getting feedback from policy makers in the EC	
7		Declared	HCSR (suggested by SIT)	31.03.2020-02.04.2020	Conference - Exhibition	World Border Security Congress	Athens, Greece	TBD	Practitioners, Industry, Academia		TBD	https://world-border-congress.com/
8		Declared	HCSR	21.04.09.2020	Conference - Exhibition	SPIE Security + Defence: Optical Justice Technologies for advanced security and defence systems	Edinburgh, United Kingdom	TBD	Practitioners, Industry, Academia		TBD	https://spie.org/conferences-and-exhibitions/a-south-and-defence-2020-1
9		Declared	HCSR	25-26.11.2020		eu-commission-security-workshop	Bonn, Germany	TBD	Practitioners, Industry, Academia		TBD	https://www.eurojust.europa.eu/IRF-2020/
10		Declared	Hani Bouma, THO	21.04.09.2020	Conference	SPIE Security + Defence: Counterterrorism, Crime Fighting, Forensics, and Surveillance Technologies	Edinburgh, UK	Hani Bouma (chair + presenter)	Practitioners, Industry, Academia	50	Paper + presentation about TB 1 (Document Anonymization tool)	https://spie.org/conferences/details/counterterrorism-crime-fighting-biometrics-surveillance-2020-1
11		Declared	NTNU	4.5.09.2020	Conference	13th Workshop on 3D Object Retrieval (3DOR 20)	Graz, Austria	Antonio Dimerakis and Theodoris Theodoris	Practitioners, Academia	30	Workshop on preliminary results on the somatotype biometric used for identification	https://workshop.csi.bu.ac.uk/3dor20/
12		Declared	VTT	10.-12.6.2020	Conference	The ACM Symposium on Access Control Models and Technologies (ACMANT)	Barcelona, Spain	Kimmo Halunen, Anni Karmasalo	Practitioners, Academia		Paper about access control, digital identity and authentication	https://acmant.org/2020/index.php

FIGURE 3 DISSEMINATION RADAR

3.7 D4FLY Workshop organization

Two D4FLY workshops will be planned to focus on engaging the stakeholders and representatives from the targeted audience communities to discuss the benchmarking of the developed solutions by presenting the preliminary and final findings from the field tests.

A final D4FLY workshop will be also organized at completion of the project focusing on the exploitation of results presented through the solutions developed and their evaluation outcomes and interpretations to stakeholder communities and interested end-user parties/authorities.

3.8 Common dissemination activities with linked EU projects

D4FLY builds upon past and current developments in the area of Border Control ICT solutions aiming to extend the knowledge in this field by providing integrated innovative solutions that can address issues of identity fraud detection and eliminate delays in the process of border control inspection. D4FLY should be analyse existing solutions in EU Border Control and outcomes from other past and ongoing projects in this area in order to be able to create solutions that are aligned.

Dissemination of the projects results to other related projects in the domain of border control security is expected to lead to fruitful synergies for further research and enhance the project outcomes through exchange of information. Clustering with ongoing EU research projects and actions is considered crucial for assuring that the independent developments are inline and complementary. Potential integration possibilities of the solution could also be examined through targeted discussions and information exchange.

Compatible approaches in research and innovation activities could be identified through synergies and greater impact to the targeted communities and policymakers could be achieved by planning common dissemination activities.

Up to now, three relevant projects have been identified:

- PROTECT
- TRESSPASS

- PERSONA

PROTECT is a completed project whose results are being communicated to the D4FLY consortium by common partners in the two projects to assist the design of follow-up solutions.

TRESSPASS is an ongoing project coordinated by NCSR where a synergy has already been established and joint workshops, press releases and other dissemination activities will be planned.

PERSONA is a project where clustering will be targeted in the following months by contacting the project coordinator via a focused e-mail invitation describing common ground and potential future joint activities.

4 INDIVIDUAL PARTNERS DISSEMINATION PLAN

4.1 Academic research partners

4.1.1 UoR

4.1.1.1 *Dissemination activities*

UoR, as a University, firstly will disseminate D4FLY results through traditional academic channels by submitting to scientific publications in the fields of documents, biometrics and image analysis in relation to border control. Following the traditional academic routes, early results are planned to be presented at workshops: e.g. FRONTEX: Workshop on Innovations in Border Control, Border Surveillance Workshop, ABC Workshop; International Workshop on Identification and Surveillance for Border Control (ISBC). More mature results are expected to appear in conferences: e.g. NIST International Biometric Performance Testing Conference, BIOSIG Research Projects Conference, IEEE Conference on Computer Vision and Pattern Recognition (CVPR), IAPR International Conference on Biometrics (ICB), IEEE International Conference on Biometrics: Theory, Applications and Systems (BTAS), IEEE/IAPR International Joint Conference on Biometrics (IJCB), International Conference of the Biometrics Special Interest Group (BIOSIG)). In-depth results will be submitted to leading journals under open access: e.g. IET Biometrics, IEEE Transactions on Information Security and Forensics (TISF), IEEE Transactions on Pattern Recognition (PR), IEEE Sensors. UoR will also actively promote D4FLY concepts, results and demonstrations through contributing to and presenting professional videos.

4.1.1.2 *Communication activities*

UoR will promote D4FLY project and its main achievements via several communication channels targeting different groups of audiences based on its position as an academic research partner.

- Knowledge and results will be shared within the research community (e.g. researchers, other research groups, other universities, and other research or technology organisations (e.g. Biometrics Institute, BMATA) who research or develop biometric solutions for border security) through research conferences and workshops. UoR will organise workshops (including Workshop on Countering Emerging Threats in Document and Identity Verification in Border Security (in association with Border Security 2020)) and competitions acknowledging D4FLY on biometric and border security related topics and will invite research groups to exchange results.
- Knowledge and results will be further shared via specific relevant events (e.g. Connect:ID, Security Document World, Home Office organised Security and Policing) which together attract a large range of stakeholders.
- UoR will actively join discussions and contribute to professional associations (e.g. biometric standardisation groups (i.e. ISO SC37 towards development of new standards), biometric research institutes, etc.) based on results and experiences from D4FLY.
- UoR has also established a good communication channel with policy makers (border authorities, law enforcement agencies and administrative offices) and end users from previous research projects and activities. UoR will continue engaging with these

groups to disseminate the results from D4FLY by attending and presenting D4FLY results at meetings/conferences/workshops, in exchange for their feedback and recommendations.

- Finally, the project work will contribute to teaching materials to be used directly in taught undergraduate and postgraduate modules and projects.

4.1.2 WAT

4.1.2.1 Dissemination activities

WAT will disseminate scientific results of project during workshops, seminars, exhibitions, conferences and journals, at scientific and public level, maintaining the correct level of confidentiality. As an academic institution, WAT follows traditional ways of scientific publications in peer-reviewed journals as well as conferences, e.g.: (talks & proceedings papers).

WAT considers publishing one article in the peer-reviewed journal, targeting journals like:

- Sensors;
- Applied Optics.

WAT plans to take a part in the following conferences:

- BIOSIG - International Conference of the Biometrics Special Interest Group;
- Conferences organized by SPIE (SPIE- The International Society for Optics and Photonics) like SPIE Security and Defence 2020;
- National conference.

4.1.2.2 Communication activities

WAT, as an academic institution, will utilize the results of the project to support and extend its research potential with MSc and PhD thesis work in the areas relevant to the project with focus on multispectral and infrared technology, biometrics, design and testing of neural networks as well as system integration. The potential for patent applications will be thoroughly studied and selected applications will be submitted. Moreover, it is expected that cooperation with solution providers as well as international cooperation within research entities will be developed as a result of new experience and solutions.

4.1.3 NTNU

4.1.3.1 Dissemination activities

NTNU, as an academic organisation, aims to present and publish results achieved by the Somatotype and 3D Face biometric recognition in well-respected conferences (i.e. 3DOR, CVPR, ICPR) and in high impact related scientific journals (i.e. IEEE, Springer, Elsevier) respectively.

4.1.3.2 Communication activities

NTNU will promote the main highlights of D4FLY project by updating the website of the Visual Computing Lab of the Department of Computer Science (<https://www.idi.ntnu.no/grupper/vis/>). Furthermore, NTNU will spread the related scientific research results of the project to the NTNU student community by integrating them within the lectures material.

4.2 Applied research partners

4.2.1 NCSR

NCSR “Demokritos”, as the leader of WP10 “Dissemination and exploitation”, will be responsible for addressing the dissemination and communication objectives of the project and realising its plan for awareness raising throughout the project’s lifecycle and during the afterlife period. NCSR has delivered a set of digital and non-digital communication tools to promote the project’s results and activities. Effort will be spent also on achieving efficient synergies with relevant H2020 projects aiming to create impact to European Border Security. As a coordinator of TRESSPASS project, collaborative dissemination activities will be planned to achieve the maximum outreach of results.

4.2.1.1 Dissemination activities

NCSR will disseminate the projects milestones, key achievements and planned activities at relevant conferences and events such as the SPIE Security + Defence, Security Research Event, European Association on Biometrics Research Projects Conference and the Mediterranean Security Event focusing on participating in relevant workshop sessions, performing targeted presentations and participating in discussions on Border Control Point (BCP) security aiming to achieve future collaborations and engage interested stakeholders and end users.

NCSR, as a research organisation, aims to publish results achieved by the Field trials planning, running and evaluation. Moreover, results from D4FLY BCP Simulation scenarios will target publications in high impact related scientific journals such as IEEE Security & Privacy, Springer, Elsevier, ACM Journals in Machine Learning and Simulation and others.

4.2.1.2 Communication activities

As the manager of the D4FLY digital communication channels, NCSR will exploit the project’s results by creating articles and updating the news and events section on the website and by posting about the project’s achievements and dissemination activities through the D4FLY social media channels. D4FLY key achievement will also be promoted through the NCSR Institute of Informatics and Telecommunications and the Integrated Systems Laboratory website and social media accounts. Press releases to the Greek Media will also be targeted promoting the D4FLY results and informing the local community about the Greek Pilot studies. A promotional video will also be created aiming to introduce the project to a wider community.

4.2.2 BPTI

4.2.2.1 Dissemination activities

BPTI will disseminate the key achievements and results of the project during relevant workshops, seminars, exhibitions and conferences at scientific and public level.

4.2.2.2 Communication activities

BPTI will promote the D4FLY project and its results by sharing the project related news and articles through the BPTI social media channels. At least two press releases will be published related to the field tests in Lithuania.

4.2.3 HHI

4.2.3.1 Dissemination activities

Fraunhofer HHI as a research institute will disseminate its R&D results mainly through publications in journals and reviewed conference proceedings as well as presentations at international events and fairs. It will also contribute to the communications channels of the project and thus spread the results to the public. Being involved in 2 large national initiatives on anti-spoofing, HHI will connect the different groups for joint discussion and information exchange.

4.2.3.2 Communication activities

HHI has a long lasting extensive collaboration with a large number of international industrial partners with many being in the security sector. It will therefore communicate and discuss the results also with partners from industry and showcase them outside the academic field. For that purpose, HHI has established also two competence centers (CINIQ, <http://www.ciniq.de/index.php/en/> and 3IT <http://www.3it-berlin.de/>) that target dissemination and exploitation of results and to enable discussions between academia and industry. With dedicated personnel, more than 50 events are organized every year at these centers in order to spread results and discuss new ideas.

4.2.4 TRI

4.2.4.1 Dissemination activities

TRI will focus its dissemination activities on publications in academic journal articles, blogs, and presentations at conferences. As TRI is the leader of WP3 on ethical, social, and legal impact analysis of the D4FLY technologies, its articles and presentations will reflect these topics. TRI will also accept invitations to lead ethics workshops for stakeholders.

4.2.4.2 Communication activities

TRI has a dedicated communication and public relations team. They will tweet out messages and pictures that are forwarded to them. They will also publicize conferences, articles, and other events if the information is sent to them. TRI has already published a blog about D4FLY in its website.

4.2.5 TNO

4.2.5.1 Dissemination activities

The TNO results are mainly related to document verification. TNO will aim for open access journals and conferences or select journals and conferences that allow authors and institutes to make publications available on the own public internet repository. Publications will be submitted to security related conferences (such as the SPIE conference on Counterterrorism, Crime Fighting, Forensics, and Surveillance Technologies, or IEEE Int. Conf on Advanced Video and Signal-based Surveillance AVSS) and to image analysis journals and conferences (e.g., IEEE Content-Based Multimedia Indexing CBMI, Signal Image and Video Processing SIVP, Machine Vision and Applications MVA, Multimedia Tools and Applications MTAP). TNO also contributes to non-technical events and magazines, (such as workshop about Document and Identity Verification at Border Security, Netherlands Industry for Defense and Security congress, or innovation congress of the ministry of Security and Justice).

4.2.5.2 Communication activities

TNO will be active in the dissemination of the project as well as using its results communication activities. TNO will promote the D4FLY project and its results by sharing the project related news and articles through social media channels. TNO will continue to promote the D4FLY project through our internal channels and networks. TNO will participate in relevant conferences, exhibitions and workshops to maintain regular contact with end users, academia and industry and increase the interest about D4FLY topics and research activities.

4.2.6 VTT

4.2.6.1 Dissemination activities

VTT's key results in D4FLY relate to requirements engineering and the development of blockchain technology within the context of border security and identity management. VTT seeks to publish scientific papers and articles targeted at relevant security conferences and workshops, such as ACM Symposium on Access Control Models and Technologies (SACMAT), European Intelligence and Security Informatics Conference EISIC, Annual Conference of the Society for Risk Analysis SRA, IEEE International Conference on Decentralized Applications and Infrastructures, and to dedicated journals, such as Risk Analysis and Journal of Computer Science and Technology. VTT will also contribute to national non-technical magazines, such as Turvallisuus & Riskienhallinta (Security & Risk Management).

4.2.6.2 Communication activities

VTT will utilise both digital and non-digital communication channels. VTT has its own media department with which a press release to national media houses will be drafted and published. Also, instant messages about the project's activities and results will be posted on the company's social media account and at accounts of individual researchers. VTT researchers will also contribute to blog writing providing updated information on the project's activities both internally (company intranet) and to outside audiences. VTT will participate in relevant conferences, exhibitions and workshops to maintain regular contact with stakeholders and increase the interest about D4FLY topics and research activities.

4.3 Industry partners

4.3.1 VERIDOS

Veridos as the coordinator and leader of WP04 “Platform setup”, will be responsible for the overall project management and the integration of the various research results into a common prototype. As an SME Veridos will be active in the dissemination of the project, as well as using its results in standardization and exploitation activities.

4.3.1.1 Dissemination activities

Veridos aims to disseminate the results of the D4FLY project putting focus on the advanced document verification as well as the using of mobile devices as well as the biometric recognition on the move. The activities include participation in various conferences and workshops. Speeches were given on the EAB Conference 2019 and further participations are planned. Veridos representatives are actively working in standardization bodies, like in ISO/IEC JTC 1 / SC 17 / WG 3 "Machine readable travel documents" and contributes especially to the upcoming Logical Data Structure v2 (LDS2) specifications for Travel Stamps, Visa and additional biometrics in the chip. Veridos will also present the concepts in various customer and partner meetings and will continue to do so.

4.3.1.2 Communication activities

Veridos has a communication and public relations team. They will place articles in internal web sites (like already done for the D4FLY kick off) and use messages and pictures that are forwarded to them for tweets or posts in other social media. They will also publicize conferences, articles, and other events, as well as news and highlights about the project.

4.3.2 OVD

OVD Kinegram is a global leader in the innovation, design and production of Diffractive Optically Variable Image Devices (DOVIDs) used as security features in government-issued secure identity documents such as Passports, ID Cards, Visas and Driver Licenses. Increasingly these must not only be easy to verify by human inspectors, but also require digital and machine authentication capability.

4.3.2.1 Dissemination activities

Through the company’s sales and customer service/support personnel, OVDK has global outreach to users, designers and manufacturers of secure identity documents including passports, ID cards, visas, driver licenses, residency permits, age cards and many other formats. Among the major users and early adopters of new Kinegram designs are the EU Member States, and the Commission itself through issuance of the EU Visa. The results of D4FLY will be incorporated into new DOVID designs, and these benefits offered to customers both inside and outside the EU to improve resilience against identity theft, counterfeit documents, and impersonation threats. In an age of global travel and people movement, there is a further benefit to the EU as governments using credentials to Third Country Nationals will have improved ID documentation aimed at making border crossing and travel facilitation easier and more trustworthy for those going about their rightful business. OVDK exhibits its products globally at several major annual exhibition and conference venues, including ICAO TRIP, Security Printers/Intergraf, Identity Week/Security Document World Europe and Asia,

Connect:ID USA, ID4Africa, and others. OVDK works closely with various document product and system integrators such as Veridos and Regula who incorporate its components into their finished products and systems. OVDK anticipates that commercial partners in the D4FLY consortium, and beyond, will as a result of the improvements to ID document design and authentication envisaged in the project, be able to establish a competitive lead in implementing systems for travel facilitation with greatly improved speed, traceability and certainty.

4.3.2.2 *Communication activities*

In addition to presentations at the conferences associated with events mentioned above, OVDK will use its in-house public relations and market communications department to prepare flyers, a white paper and a journalistic article aimed at presenting the new capabilities in DOVIDs and their automated authentication. OVDK also has an outreach program to educate and inform the various national document fraud inspection bodies, not just within the EU/EEA countries, but globally too.

4.3.3 REGULA

4.3.3.1 *Dissemination activities*

Regula Forensics will disseminate important outcomes of the D4FLY demonstrators and field tests to relative industrial events and conferences.

4.3.3.2 *Communication activities*

Regula Forensics will communicate key technological achievements of the project through blogs on its website and social media posts.

4.3.4 RAYTRIX

Raytrix is responsible for the development of D4FLY's light-field based 3D face and iris sensors, and most of its efforts fall into WP05, biometrics on the move, accordingly. As an industry partner, it is Raytrix's goal to foster interest in its technology in general and demonstrate its viability in D4FLY's target markets.

4.3.4.1 *Dissemination activities*

Raytrix exhibited a prototype sensor at the SPIE Photonics West 2020 conference (01 – 06.02.2020, San Francisco, USA) and is planning to present an advanced prototype at the VISION exhibition (10-12.11.2020, Stuttgart, Germany). Raytrix will attend additional trade shows, exhibitions, and conferences during the project's lifespan.

Raytrix derived a white paper from its initial state-of-the-art report to the D4FLY consortium. This white paper will be updated and shared with relevant clients as the project progresses.

Raytrix supports the project's academic partners with their publications in scientific journals twofold: It transfers knowledge about light-fields and provided material support in the form of prototype cameras.

4.3.4.2 Communication activities

Raytrix has produced a video demonstrating the 3D face measurement capabilities of the prototype sensor. It has been uploaded to the video platform YouTube on the 10.01.2020 (<https://youtu.be/MsaiK2C6yJQ>). At the time of writing, it has surpassed 500 views.

Raytrix will produce additional content focused on online marketing via its website and social media. Existing material will be updated as project milestones are reached. For example, 3D face and iris reconnection becoming available.

4.4 End Users

4.4.1 YDEAP

4.4.1.1 Dissemination activities

European and Development Programmes Division (YDEAP) of the Hellenic Ministry of Citizen Protection, acting as an end user organisation representing Hellenic Police, aims to disseminate the results of the D4FLY project inside the organisation of Hellenic Police as well as to other related Organizations and public authorities. The dissemination activities include also references of D4FLY results in conferences and relevant events.

4.4.1.2 Communication activities

YDEAP will: a) place articles in the website, b) include a link of D4Fly website to YDEAP website, c) publish messages and pictures that are produced and forwarded by the D4Fly Coordinator or other partners, using tweets or posts in the social media. YDEAP will also publicize the conferences' results, relevant articles and other events, as well as news and highlights about the project.

4.4.2 PPA

4.4.2.1 Dissemination activities

Piraeus Port Authority acts as an end user in the project. PPA is well familiar with dissemination actions and extroversive activities. PPA will disseminate the project's progress and results inside the organisation, to its network of collaborators that are most relevant to the project scope e.g. cruisers, travel agents etc. and to other Authorities and Organisations that are active in the greater area of security.

4.4.2.2 Communication activities

PPA will use the communication tools to be suggested and produced by the project in order to communicate project's results. From PPA point of view a) the site of PPA will be used to communicate D4FLY achievements b) the social media of the project will be promoted to PPA's network c) press & journals and d) conferences and workshops.

4.4.3 IND

4.4.3.1 Dissemination activities

IND, as an end user organisation, aims to present the results achieved in developing the missing parts of the DiscsMatcher, in close cooperation with TNO, in well-respected conferences (i.e. Day of the Migration conference in The Netherlands and at EU FauxDocs meeting in Brussels).

4.4.3.2 Communication activities

IND will promote the main highlights of D4FLY project by updating the website of Bureau Documenten of the Immigration and Naturalization service. This website is currently under construction.

4.4.4 RNM

4.4.4.1 Dissemination activities

The RNM will disseminate results from the Netherlands field tests and demonstrations and promote the D4FLY outcomes to Border Control and Security local and international events, workshops and conferences. RNM will also disseminate D4FLY key achievements through national and international organizations and bodies they are members of.

4.4.4.2 Communication activities

RNM will communicate the main outcomes of the project and information about the Netherlands field tests to internal channels and networks.

4.4.5 HOME OFFICE

4.4.5.1 Dissemination activities

The Home Office as an end user organisation will share relevant progress and results of the D4FLY research projects with key internal/external partners, advising on potential real-world application and potential benefits to passenger experience and border security.

4.4.5.2 Communication activities

The Home Office will continue to promote the D4FLY project through our internal channels and networks, seeking feedback on project results, especially during the study visits, field trials and demonstrations.

4.4.6 SBGS

4.4.6.1 Dissemination activities

As an operational institution acting on national and international levels, the SBGS cooperates with border services of neighbouring countries, FRONTEX, Europol, Interpol and working groups of the Council of Europe in order to exchange and obtain information on border related

violations. Results and experience gained throughout the D4Fly project will be disseminated in meetings and events with institutions in cooperation, including Annual BSRBCC Heads Conferences and Events in the framework of activities with the FRONTEX agency.

4.4.6.2 *Communication activities*

Communication of SBGS for Lithuanian audiences will mainly be organized together with BPTI. Main project communication will be held during the field tests when press releases and/ or other relevant media will be published. Also, communication via SBGS communication channels will be used.

5 COMMUNICATION CHANNELS AND MATERIAL

5.1 Branding – Visual identity

The D4FLY visual identity follows the project’s principles and aims to achieve a strong visual appearance that stands out in digital and print applications while it also raises awareness to interested parties.

D4FLY logo

The logo lettering is based on the extended project’s name and the four ‘D’s that are included: “Detecting Document frauD and iDentity on the fly”. The second component, the word ‘FLY’, refers to the real on-the-move border crossing experience that the D4FLY system offers to travellers.

One of the core design decisions taken was to produce a logo that reflects the project’s innovative technology for detecting document fraud on-the-move. The visual elements used in letter D refer to the passport electronic microprocessor chip while the sans serif font choice offers a dynamic appearance for the logo.



FIGURE 4 D4FLY LOGO

Colour codes

There are two primary colours in the logo design. The blue tone evokes a feeling of trust, security and stability while orange is associated with an energetic mood. Except for grey which is also used in part of the logo lettering, two more accent colours are being used in the brand’s variety of applications.

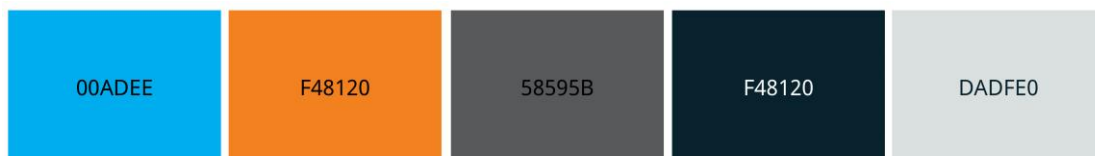


FIGURE 5 D4FLY COLOURS

Fonts

The font used in complementary text in the website and other graphics is Noto Sans by Google fonts.

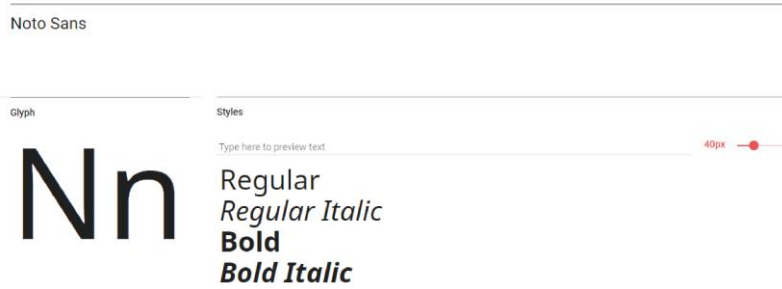


FIGURE 6 D4FLY FONTS

5.2 Digital communication

5.2.1 Project Website

The D4FLY Website has been designed following the brand identity style guide and provides the main source of information about the project. It has been structured to address key questions that visitors may have by including a description of the project and its objectives the technical framework and its short specification on what will be delivered, a description of the field tests planned, a presentation of the consortium and partner information, additional details regarding internal and external communication (Social Media, News and Events, Scientific Publications, Public deliverables) and dissemination (materials, conferences attended and planned) and general contact details. The project can be accessed through the following address:

<https://d4fly.eu/>

D4FLY is an important communication and dissemination tool able to showcase online any important information about the project that the consortium wants to communicate to a wider audience. The website current Information Architecture (IA) diagram is shown at the following figure.

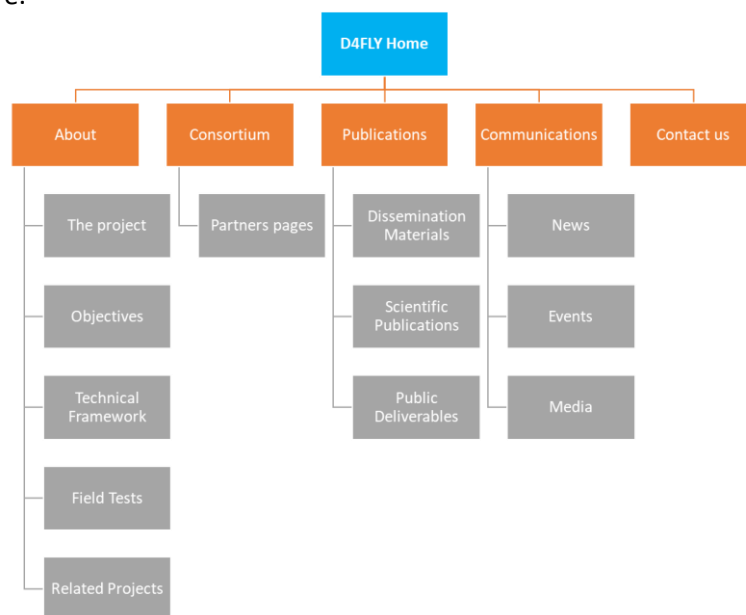


FIGURE 7 WEBSITE INFORMATION ARCHITECTURE

An easy to use navigation flow design has been followed in order to provide though the main menu an overview of what the visitor can be informed on. Form the “About” submenu, the visitor can navigate to pages providing general information about the project, objectives and technical framework presentation, a short description of the field test and linked projects. Form the “Consortium” page, the pages presenting information for each specific partner can be accessed. The “Publications” part will be continuously updated throughout the project hosting material such as published scientific journals, dissemination materials (leaflets, posters, brochures, presentations) and the public deliverables. Publications material will be available for view or download. The “Communications” section will publish created blog posts under News, a list of previously organised and future planned dissemination activities under Events, and promotional videos under the Media page. The “Contact us” page hosts the links to social media and information on contacting the Project Coordinator or communicating with the dissemination team through the following dedicated e-mail account:

communications-d4fly@iit.demokritos.gr

The D4FLY Home Page, Project page selection and Consortium page are depicted in the following figures.



FIGURE 8 WEBSITE HOME PAGE



FIGURE 9 WEBSITE THE PROJECT PAGE



FIGURE 10 WEBSITE CONSORTIUM PAGE

The website will support also the periodic release and distribution of the D4FLY newsletter including information about the project achieved milestones and key outcomes and completed and planned activities and events. The possibility to subscribe to the D4FLY newsletter will be also offered to its visitors followed by links that support unsubscribing at any time. Contact data will be deleted upon unsubscribing.

In order to be GDPR compliant, a privacy and policy information page has also been added that can be accessed from the home page through a pop-up banner. First time visitors are informed about the use of cookies for activity tracking reports and are prompted to select the button for providing their consent (or not) for cookies setup. A link for accessing the page that provides further information about the cookies is also provided. The visitor may also view the “Terms of Service and Privacy Policy” before giving their consent. The full text of the “Use of Cookies” and “Terms of Service and Privacy Policy” pages is provided in the Annex B section.

A Q&A section will also be hosted on the website providing answers to common questions that may arouse to the visitors on the D4FLY developed technologies and solutions, the measurements taken to address security, data protection and privacy, and ethical concerns and the field tests planning and participation.

5.2.2 Social Media

Social media play a key role in disseminating and communicating results about the project to the targeted audience by providing an easy and familiar way for knowledge exchange and interaction. The D4FLY social media accounts will be used to communicate information on the project’s concept and objectives, milestones reached and important results. Through social media posts the D4FLY will try to also provide insights on how the developed solutions will impact the future of Border Control Security processes and the user experience of travellers in all modalities (air, sea, land). Communicated messages will also be designed with security, ethics and privacy consideration targeting to eliminate misconception on the development of sensitive technologies by providing clear information of the measures taken for personal data privacy and protection.

Social media communication and dissemination activities throughout the project’s lifecycle aim to:

1. Reach and engage the targeted audience by publishing information about the project aiming to raise awareness, interact and communicate to exchange knowledge
2. Enhance the visibility of the project and its outcomes to the wider audience
3. Promote field test demonstrations and publish results on the evaluation of the technologies
4. Create a network of stakeholders and establish a strong communication and interaction to assist exploitation of the project results
5. Link to other security and border control projects aiming to discuss further future research and development actions

The D4FLY brand identity specification has been followed for the creation of each social media accounts. Moreover, the accounts have been implemented following the H2020 Programme

Guidance - Social media guide for EU funded R&I projects Version 1.1 07 January 2020², including EU funding acknowledgement text and emblems for the creation of each account.

The social media links have been integrated to the D4FLY website. To increase the website traffic, posts including links of content hosted by the website will be created in order to promote news blog posts, publications and public deliverables release as also registration for the field tests.

The most well-known social networks have been selected to create the D4FLY corresponding accounts to promote the project. Four social media accounts have been created shown in the following table. The account names of the D4FLY social media are chosen to be directly referred to the name of the project in order to be easily detectable when using various search engines and, thus, facilitating the accessibility of the accounts for internet users. A dedicated hashtag has been also created: [#d4fly](#)

TABLE 5 D4FLY SOCIAL MEDIA ACCOUNTS

	https://twitter.com/d4_fly
	https://www.linkedin.com/showcase/d4fly/about/
	https://www.facebook.com/D4FLY
	https://vimeo.com/d4fly

To be updated on information related to the D4FLY topics and to interact and exchange knowledge with the accounts that publish those, D4FLY social media accounts have followed a set of significant profiles. Those profiles are listed in the following table. Consortium social media accounts and personal accounts of the D4FLY people are also being followed.

TABLE 6 ACCOUNTS FOLLOWED ON SOCIAL MEDIA

EU agencies and organisations	@SECURI_EU, @EULISA_Agency, @EUHomeAffairs, @EU_EDPS, @EU_CEPOL
H2020	@EU_H2020, @EU_Cordis, @EUScienceInnov, @EUhorizon2020, @H2020Projects,

² https://ec.europa.eu/research/participants/data/ref/h2020/other/grants_manual/amga/soc-med-guide_en.pdf

	@H2020_Impact
Border Security and Control	@ACI_Europe, @FRONTEX, @IATA, @Europol, @INTERPOL_HQ, @UNODC
Technology updates	@BiometricUpdate, @BiometricsInsti
Linked and relevant projects	@personah2020, @smile_h2020, @TRESSPASS_H2020, @protect_eu

5.2.2.1 Twitter

Twitter is the most efficient, active and popular social network in terms of sharing and being instantly updated on important news, events and conferences due to its successful strategy for posting short messages and using hashtags for clustering.

A D4FLY twitter account has been created targeting to enhance visibility and promote interactive communication on the project’s topics and key achievements. The #d4fly hashtag will be used to cluster all relevant information published about the project from partners, stakeholders and other linked or interested parties accounts. All above mentioned relevant accounts have been also followed aiming to create a network for exchanging and promoting information in the area of Border and Security Control. The following figure provides a snapshot of the D4FLY twitter profile @d4_fly.

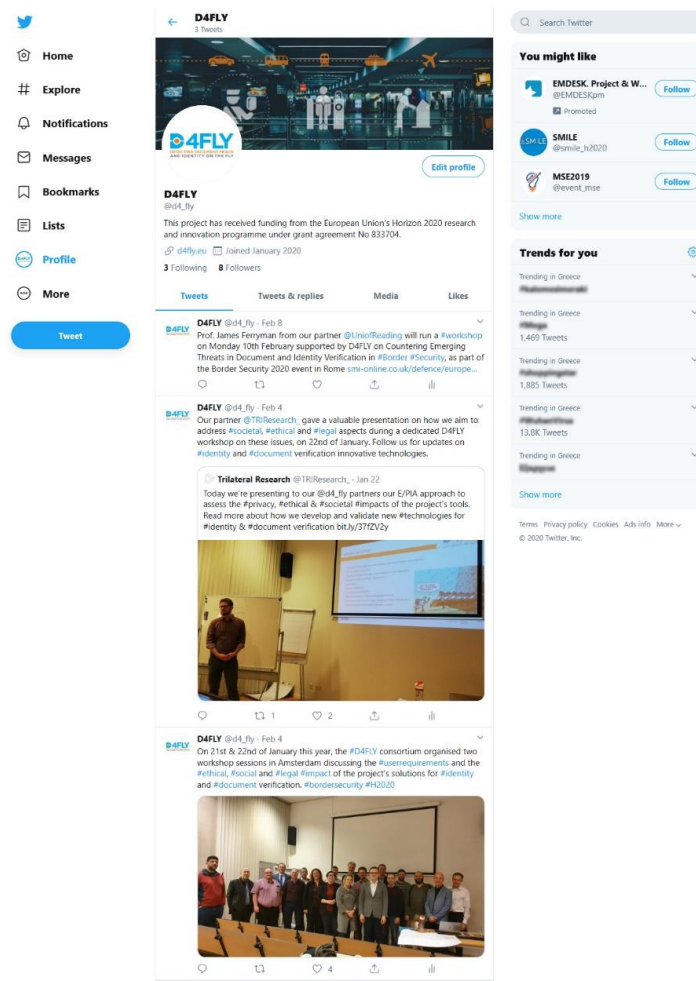


FIGURE 11 TWITTER PAGE

5.2.2.2 LinkedIn

LinkedIn is a widely used professional social network. A D4FLY LinkedIn Showcase page has been also created aiming to promote the project results to a wide number of active professionals, researchers, practitioners and policy makers in the area of Border Control Security. Important dissemination activities will be promoted through this page aiming to engage individuals and attract new stakeholders by publishing news that can encourage discussions on the development of beneficial solutions for both travellers and border guards. The D4FLY LinkedIn page is shown at the following figure.

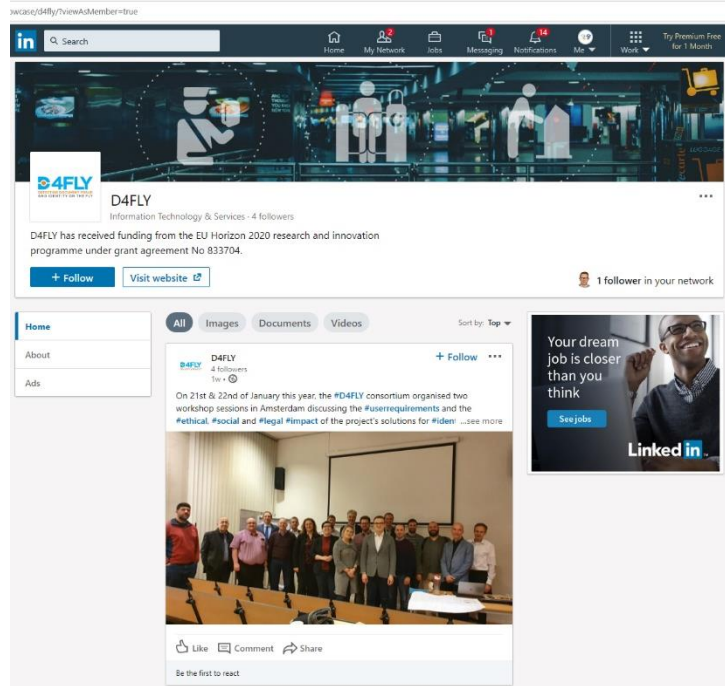


FIGURE 12 LINKEDIN SHOWCASE PAGE

5.2.2.1 Facebook

A page on Facebook has been also created for the D4FLY working as a complementary social media posting account. The same guidelines and strategy have been followed to create this page used mainly for creating posts aiming to attract mostly travellers that may still widely use it as its popularity has dropped the latest years. Its benefit is that there is no limit to the text and media attached to a single post in comparison to twitter. The figure below displays a snapshot of the D4FLY Facebook page.

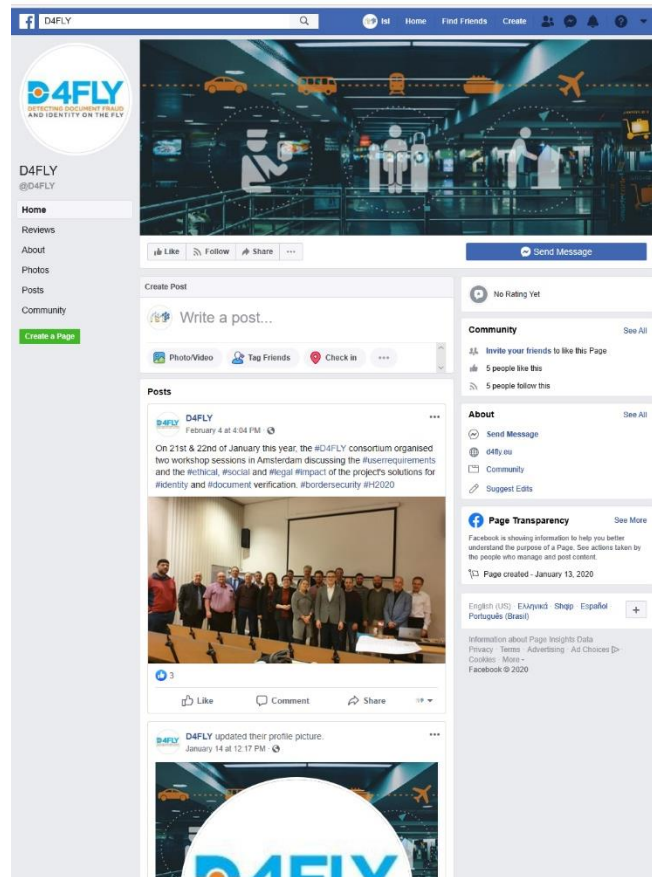


FIGURE 13 FACEBOOK PAGE

5.2.2.2 Vimeo

In order to showcase online the promotional videos that are planned to be created throughout the project’s duration, a D4FLY Vimeo account has been created. Vimeo can also be used as a secure channel for publishing videos to a restricted community as it provides a functionality for password-protected sharing. The Vimeo page, as shown at the following figure, will be updated upon the creation and release of the first D4FLY videos.

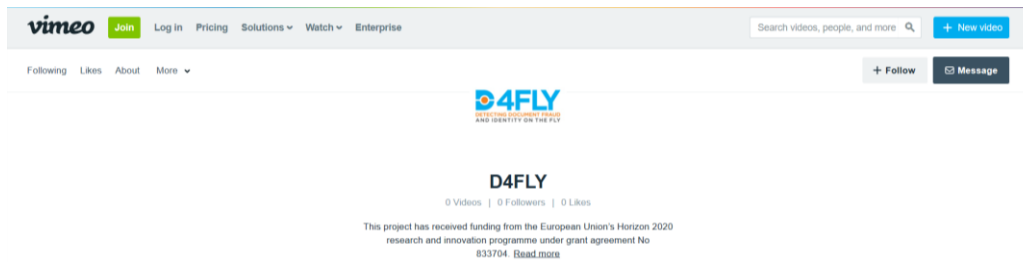


FIGURE 14 VIMEO PAGE

5.2.2.3 Guidelines and strategy for Social Media Posts

A set of guidelines and directions have been specified to be able to deliver a rigorous message about the project to the targeted community from any D4FLY partner using the social media. NCSR D serves as the Communication and Dissemination Manager and will be the main responsible for the social media management and monitoring. The contribution of all partners is also important to be able to achieve the objectives of the social media strategy and outreach the project results to the wider community. All partners are prompt to follow the D4FLY accounts and interact with the posts through their organisational, institutional and/or personal social media accounts. Moreover, they should try to follow the defined guidelines when posting about the project and include the hashtag #d4fly or mention the corresponding handle.

The following list provides insights on what can be shared about the project through social media:

- Important news announcements about D4FLY such as milestones reached, publications or updates on the field tests planning, established collaborations with related projects or engagement of new stakeholders.
- Dissemination activities and news on planned events such as meetings, conferences, attendance of industry events and exhibitions, workshops organisation etc.
- Related Border Control and Security technological developments or research outcomes and updates on policies and regulations.
- Created polls to get feedback and public opinion on the developed technologies and related ethical, security and privacy concerns to further engage the audience and promote interaction and communication.
- Announcements on World/ International/Important Days followed by statements on the project’s aims and ambitions.
- Online availability of videos or other promotional material such as leaflets, posters, newsletters, brochures etc.

A set of general recommendations is also provided in the following table, referring on when and how to create such posts to maximise impact and increase viewing and interaction potentials.

TABLE 7 SOCIAL MEDIA GUIDE

What to include in posts	<ul style="list-style-type: none"> - Short text followed by relative links and media. - Twitter only has a limit to text of 280 characters including links (URL characters). - Images related to the post text are highly recommended as they can increase views dramatically - Videos duration should be limited to 30-40 seconds to avoid delays and performance errors.
How often	<ul style="list-style-type: none"> - At least once a week or two to maintain or increase audience engagement

When is the best time	<ul style="list-style-type: none"> - The most effective days for social media posting are Monday, Tuesday and Saturday. - The best timeframes are 13.00-15.00 CET or 18.00-20.00 CET (around lunchtime or afterwork)
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In order to be able to plan ahead the social media posting strategy and allow security review by the Board, the partners should communicate well ahead any planned dissemination activity (events, conferences attendance and publications, press releases) to the Dissemination and Communication Manager (NCSR) by updating the dissemination radar. Interesting relevant content or news at national or EU level should be also communicated through email providing adequate details and links.

A list of relevant hashtags has been also defined for accompanying the posts to enhance visibility or to be followed for keeping the consortium updated on related topics important news. This list is provided in the following table.

TABLE 8 LIST OF HASHTAGS

Topic	Hashtags
EU and H2020	#H2020 #Horizon2020 #H2020Project #EU #FutureofEurope #EUTakeTheInitiative #ResearchImpactEU #EUFunded #Innov4Impact #innovation #OpenScience
Border Security, Border Control	#SecurityUnion #BorderSecurity #FutureBorders #BorderControl #BorderManagement #EUProtects #EUPolicyCycle #EuropeanBorderGuard #EUBorderGuard #EMPACT

	#LawEnforcement
Tech, ethics and end-users	#DataProtection #Biometrics #Travelnews #traveltech

5.2.3 Newsletters

Periodic newsletters will also be created and circulated throughout the project’s duration. The newsletters will be designed following the branding specification of D4FLY and will include in the footer section the EU emblem and acknowledgement text. Contact details, consortium information and website and social media will also be displayed.

Newsletters will be released every six months and their content will focus on important news and achievements of the corresponding periods, public deliverables release, published articles and events/conferences attendance, meetings and workshops organisation, field tests planning and/or results. Newsletter releases will also be promoted through the social media accounts aiming to be delivered to the interested target audience and stakeholders’ community.

A dedicated page will be designed on the website to host the newsletters and allow download or online view. A form will also be included to allow visitors to provide their e-mail for subscribing to the newsletter and the possibility to add further information such as their name and organisation. Those data will only be collected for newsletter distribution and an unsubscribe option will be offered.

5.2.4 Promotional videos

A short, animated video teaser will be created at the first year of the project to provide an audio-visual presentation of the project’s concept, objectives and targeted benefits for the travellers and border guards. Video presentations provide an easier and more comprehensive way of communicating ideas and concepts to the wider audience.

Towards the end of the project, a longer video will also be created demonstrating the field tests process, the developed solutions and the key findings.

Both videos will be uploaded online on the D4FLY website and Vimeo account and will be promoted through the social media. Videos will be also circulated to the consortium through its collaborative platform (EMDESK) to be used for presentations at events and conferences and be published on their organisational websites and social media accounts.

Animated intro and outro D4FLY short videos will also be created and made available to the partners so that they can create their own demos for promoting WP4, WP5, WP6, WP7 and WP8 developments and research outcomes. The D4FLY intro and outro will include the EU disclaimer, consortium presentation and contact details, and links to the D4FLY website and social media.

5.2.5 Collaborative tool

To allow collaborative exchange of information and documentation about the project between members of the consortium, an EMDESK Account for D4FLY has been created by the Project Coordinator, Veridos. EMDESK is an open source software recommended for EU projects management and activities coordination and monitoring that facilitates collaborative work between the consortium members.

An account on EMDESK has been created for each project member allowing them to get access to project document's uploaded and shared by other members and create and share their own or update existing. They can also create and use dedicated e-mail lists for communicating on specific WPs, Tasks or other issues and monitor and report on workplan and deadlines.

For security reasons the EMDESK D4FLY link has not been integrated to the website to avoid being exposed to cyber-attacks.

Th project has been organised in such way to provide a personalised view to each partner showcasing their led WPs, tasks and deliverables due. According to their role, each person registered on EMDESK has access to the corresponding documents, relative information and views. The following figure provides a snapshot of the EMDESK D4FLY Dashboard for an NCSR member.

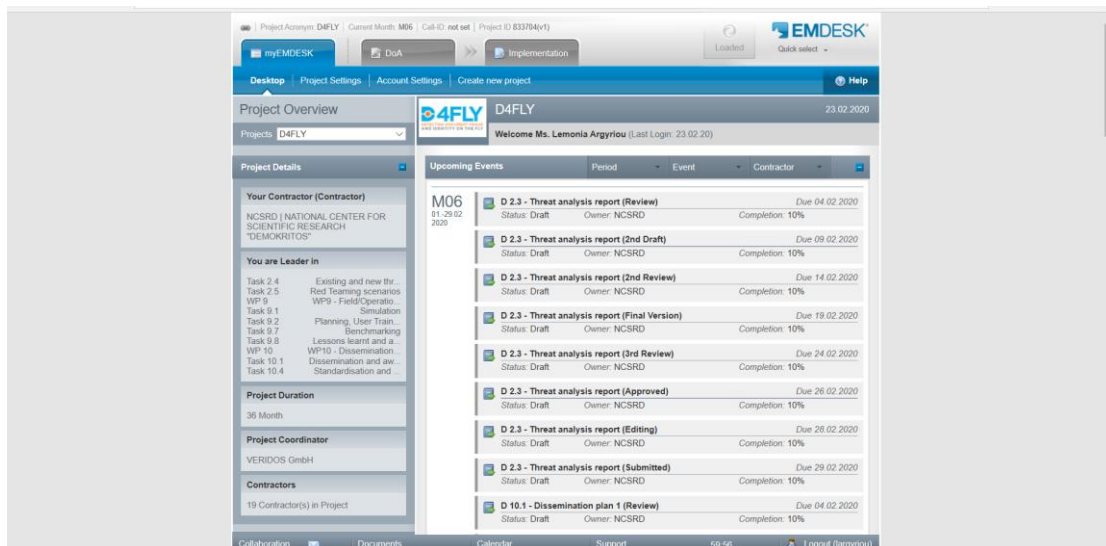


FIGURE 15 EMDESK D4FLY DASHBOARD

5.3 Non-digital communication

5.3.1 Leaflet

NCSR team has also designed a 4-page leaflet to be disseminated during events and workshops attended by the consortium members and during the field test demonstrations. The leaflet presents an overview of the project and its research topics on the first page followed by the project summary and a diagram of the identity lifecycle targeted to disrupt through the developed solutions for Border Control and Identity Document Issuance. The next two pages present the field test scenarios and pilot areas and contact and consortium details.

The following figures present the leaflet pages.

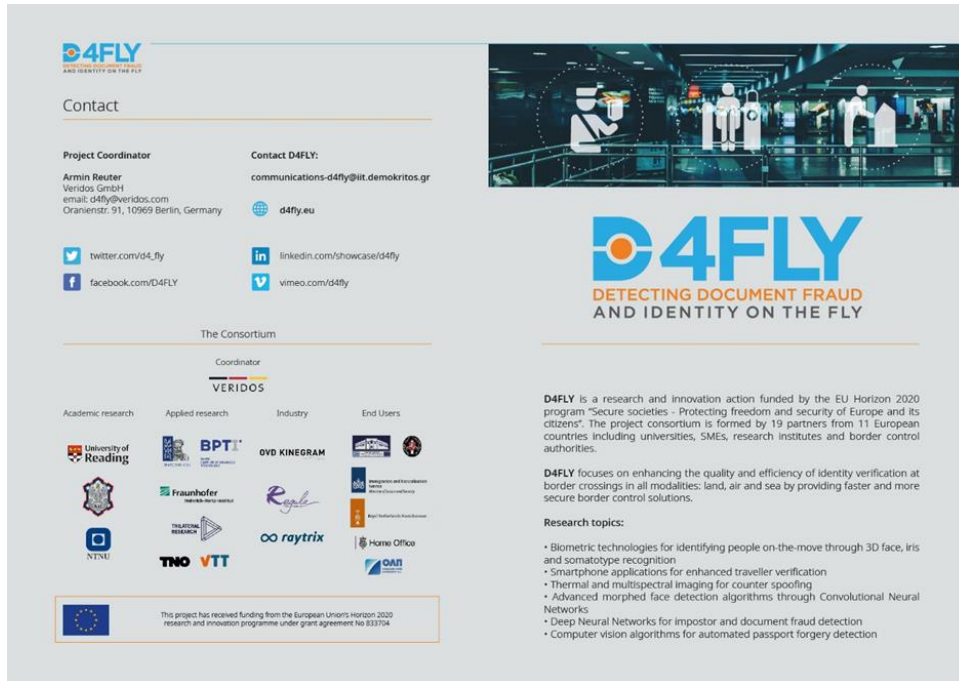


FIGURE 16 D4FLY LEAFLET PAGE 1 & 4

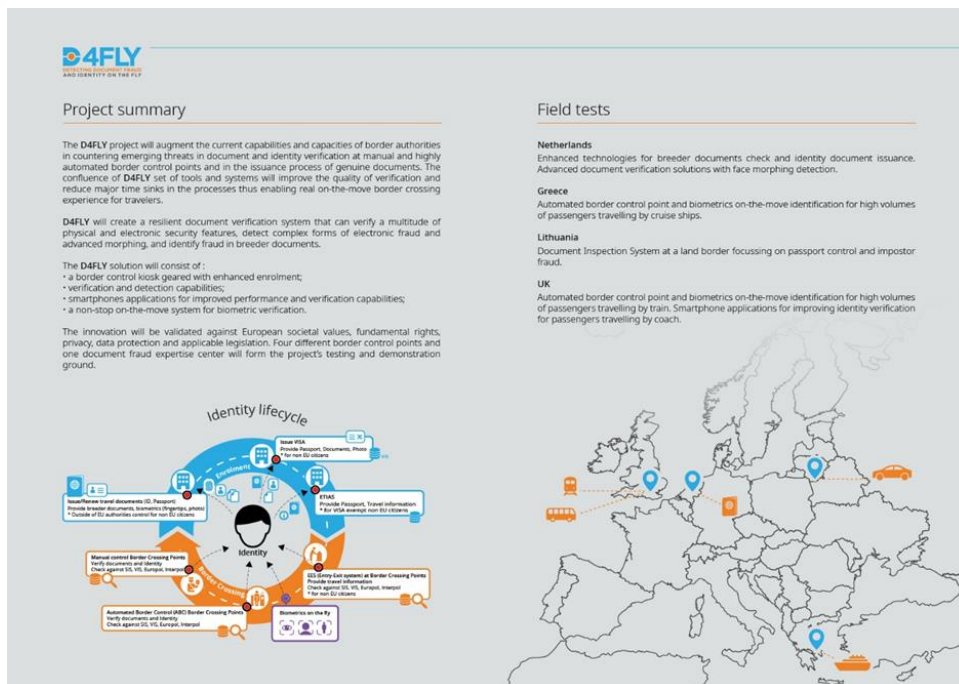


FIGURE 17 D4FLY LEAFLET PAGE 2 & 3

5.3.2 Posters

A general poster has been also created aimed to promote the concept of D4FLY by being used in relevant conferences and events. The poster demonstrates the overall scope and objectives of the project, the technologies developed and the field test scenarios providing also information on available digital communication means and channels. The poster template will

also be used for the partners individual scientific posters creation in the future. The following figure shows the current version of the general poster.



FIGURE 18 D4FLY GENERAL POSTER

5.4 Monitoring of communication tools and KPIs

Online activity tracking and analytics tools have been setup and used for monitoring the communication activities through the website and social media accounts. This allows the evaluation of the D&C success towards achieving the set objectives and KPIs and the performing of remediation actions where necessary and strategy adjustments.

Website activity is monitored using Google analytics that provides an easy way to create reports on the who, when, with what and for how long has been interacting. Similar free tools are provided by each social media channel enabling the measurement of impact to the targeted audience such as Twitter analytics and Facebook insights.

Though the support of web analytics tools, the following quantitative information can be monitored:

Web site:

- Number of visits for a specific period
- Visitors per country
- Pages visitors interacted most
- Number of content downloads

Social Media:

- Number of LinkedIn, Facebook, Twitter posts in a period
- Number of Twitter, Facebook, LinkedIn and Vimeo followers
- Number of Twitter, Facebook, LinkedIn clicks, likes, shares, tags, video views, new followers, profile visits, and hashtag uses
- Number of Vimeo video views

Qualitative data can also be collected, reported and analysed such as types of followers, types of comments received, their tone and the number of people they reached.

6 SUMMARY AND FUTURE PLANS

This document provided an initial specification of the Dissemination and Communication plan of D4FLY for promoting its results and raising awareness to the targeted audience. A forthcoming complementary delivery is planned towards the end of the project to provide a report on the plan implementation and define a new plan for project afterlife D&C activities.

D4FLY focuses on the development of innovative integrated solutions for Border Control and Security and the presentation of insights on their application to the existing infrastructure. Those solutions will incorporate the use of biometric technologies and enhanced document fraud detection algorithms and real-time identity verification aiming to avoid delays and provide a better travelling user experience. It is necessary to promote the benefits expected from the adaptation of these solutions to the research community, the industry and the end-users targeting the introduction of new policy recommendations and changes to legislation. Effort must be given to the communication of measures undertaken to eliminate concerns to the wider public about personal data protection and privacy and bias on religion or belief, grounds of sex, sexual orientation, racial or ethnic origin, age or disability.

The overall D&C strategy and methodology proposed details the actions planned to promote the project key achievements and their benefits for the targeted audience through the design of activities and the use of channels, tools, and material that are in line with their needs. Attendance of related events, organization of specialized workshops and publication of high impact papers and articles are planned in terms of dissemination activities. For the successful communication of the D4FLY results, a website has been created and continuously updated supported by a series of social media accounts, promotional videos production, newsletters, and the use of a collaborative management tool for the consortium co-work and communication needs. Flyers and posters have been also created to be distributed during events, conferences, meetings and workshops organized or attended by the D4FLY members.

The effectiveness of the D4FLY D&C plan relies also to the establishment of a network of stakeholders and end-users and the creation of synergies with partners for other related projects. These actions are expected to drive discussions on future extensions of the projects solutions and define activities for further research and development aiming to transform the EU Border Control and Security procedures and infrastructure.

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ANNEX A

LIST OF TARGETED D&C ACTIVITIES ARTICLES AND PUBLICATIONS

Completed activities

<i>Event name</i>	<i>Place</i>	<i>Date</i>	<i>Partners attending</i>	<i>Type of activity</i>	<i>Number of attendees (approx.)</i>
EAB Research Projects Conference	Darmstadt, Germany	16.09.-18.09.2019	VERIDOS, NCSR	Conference	60
TechNet Europe 2019	Bratislava, Slovakia	23.10.-24.10.2019	UOR	Conference	50
H2020 – SOCIETAL CHALLENGE 7 “SECURE SOCIETIES” FIRST PROJECT TO POLICY KICK OFF SEMINAR	Brussels, Belgium	31.01.2020	VERIDOS	Workshop	30
Workshop on Countering Emerging Threats in Document and Identity Verification in Border Security (in conjunction with Border Security 2020)	Rome, Italy	10.02.2020	UOR, TNO, TRI, OVVK	Workshop	30
Integrated Optics Sensors	Szczyrk, Poland	24-28.02.2020	WAT	Conference	100

Planned activities

Events and Conferences

<i>Event name</i>	<i>Place</i>	<i>Date</i>	<i>Partners attending</i>	<i>Type of activity</i>	<i>Number of attendees (approx.)</i>
Workshop on biometrics, Training centre of Border Guard	Kętrzyn, Poland	21-22.04.2020	WAT	Workshop	50
World Border Security Congress	Athens, Greece	31.03.2020-02.04.2020	NA	Conference - Exhibition	NA
IBMATA Border Management & Technologies Europe Summit	Brussels, Belgium	12-14.05.2020	UOR	Conference and Exhibition	Hundreds
Identity Week	London, UK	09-11.06.2020	UOR	Conference and Exhibition	> 1000
The ACM Symposium on Access Control Models and Technologies (SACMAT)	Barcelona, Spain	10-12.6.2020	VTT	Conference	NA
13th Workshop on 3D Object Retrieval (3DOR '20)	Graz, Austria	4-5.09.2020	NTNU	Conference	30
SPIE Security + Defence: Counterterrorism, Crime Fighting, Forensics, and Surveillance Technologies Optical science technologies for advanced security and defence systems	Edinburgh, UK	21-24.09.2020	TNO, NCSR	Conference	50

IBMATA Border Management & Technologies Asia Summit	Singapore	22-25.09.2020	UOR	Conference and Exhibition	Hundreds
IEEE International Conference on Advanced Video and Signal Based Surveillance (AVSS 2020)	Washington, DC, USA	22-25.09.2020	UOR	Conference	300
International Joint Conference on Biometrics 2020 (IJCB 2020)	Houston, USA	28.09.2020-01.10.2020	NTNU, UOR	Conference	200

Articles in Magazines and Journals

<i>Journal name</i>	<i>Impact factor</i>
IEEE Transactions on Information Security and Forensics (TISF)	6.211
Elsevier Pattern Recognition (PR)	5.898
IEEE Transactions on Pattern Analysis and Machine Intelligence (PAMI)	17.730
IET Biometrics	2.092
Risk Analysis (Wiley)	2.564
Journal of Computer Science and Technology (JCST)	1.185
Policy & Internet (Wiley)	1.927
IEEE Security & Privacy	1.596
ACM Transactions on Modeling and Computer Simulation (TOMACS)	1.872
Springer Signal Image and Video Processing (SIVP)	1.894
Springer Machine Vision and Applications (MVA)	1.788
Springer Multimedia Tools and Applications (MTAP)	2.101
IEEE Sensors	3.076

ANNEX B

TERMS OF PRIVACY & POLICY – COOKIES

Cookies Statement

What is a cookie?

A cookie is a small text file that is stored in a dedicated location on your computer, tablet, smartphone or other device when you use your browser to visit an online service. You may accept or reject the cookies listed below using the check box provided.

Functional cookies(non-optional)

These cookies are required for optimum operation of the website and cannot be configured. They allow us to offer you the key functions of the website (language used, display resolution etc.), provide you with online advice and secure our website against any attempted fraud.

Statistical analysis cookies or Persistent cookies

These cookies are used to measure and analyse our website audience (visitor volume, pages viewed, average browsing time, etc.) to help us improve its performance. By accepting these cookies, you are helping us to improve our website.

Social Media cookies

D4FLY is active on social media platforms. For instance, D4FLY is present on four key social media platforms – Twitter, LinkedIn, Facebook and Vimeo. These communities strengthen the project's online presence and visibility.

Terms of Service and Privacy Policy

Legal notice

1. General terms and conditions of use

- The user of the present website of D4FLY, hereafter referred to as «user», acknowledges that the user has verified that the computer configuration used does not contain any viruses or any other malicious software and that it operates perfectly.
- The user is solely responsible for the selection, use and interpretation of the data which the user consults, searches and transmits on the Internet.
- NCSR Demokritos, the responsible for this website, reserves the right to modify the present legal notice at any time. The user shall abide by the conditions of use of the portal contained in the most recent version of the legal notice available on the portal at the time of such use.

2. Contents of the website

NCSR Demokritos maintains this website to enhance public access to information about the D4FLY project activities and to inform about the current status of the project in general.

This information is:

- of a general nature only and is not intended to address the specific circumstances of any particular individual or entity;
- not necessarily comprehensive, complete, accurate or up to date;

- sometimes linked to external sites, over which NCSR Demokritos has no control and for which it assumes no responsibility;
- not professional or legal advice (if you need specific advice, you should always consult a suitably qualified professional).

Our goal is to keep this information timely and accurate. If errors are brought to our attention, we will try to correct them. We reserve the right to correct the content of this website at any time and without notice.

However, NCSR Demokritos accepts no responsibility or liability whatsoever with regard to the information neither for the presence of viruses or malicious software on the D4FLY website.

It is our goal to minimize disruption caused by technical errors. However, some data or information on our site may have been created or structured in files or formats that are not error-free and we cannot guarantee that our service will not be interrupted or otherwise affected by such problems. NCSR Demokritos accepts no responsibility regarding such problems incurred as a result of using this site or any linked external sites.

This disclaimer is not intended to limit the liability of NCSR Demokritos in contravention of any requirements laid down in applicable national law nor to exclude its liability for matters which may not be excluded under that law.

Any user who discovers inaccuracies, erroneous information or information of a clearly unlawful nature is invited to inform the D4FLY Communications, Institute of Telecommunications and Informatics, National Center for Scientific Research Demokritos, Ag. Paraskevi, Attiki, Greece.

3. Use of hyperlinks

- This site includes information made available by hyperlinks to other sites which have not been developed by NCSR Demokritos.
- NCSR Demokritos shall under no circumstances be liable for hyperlinks to other sites from this site.
- The existence of a link from this site to another site shall not constitute any acquiescence or warranty on the part of NCSR Demokritos with respect to content or any person who runs such other site.
- The creation of hyperlinks to this site shall be subject to the explicit prior approval of the NCSR Demokritos.

4. Data privacy

Here is a general overview of some of the ways this website processes your personal data including the use of cookies.

4.1.1 In the following we inform about the collection of personal data when using our website. Personal data are all data by which a person is identified or is identifiable. This data includes, for example, the name of a person but also data from which a person can be determined (e.g. e-mail address, account connection data, etc.).

4.1.2 The data collected on the website of D4FLY stem exclusively from the voluntary registering of your personal data, for example by subscribing to our newsletter or any event related to D4FLY.

It will not be shared with any organisation – commercial or otherwise excepted in case of external consultancy in relation with the website. In such case appropriate measures will be implemented.

We will never divulge your personal data for direct marketing purposes.

We put in place measures to ensure that your data are kept up-to-date and processed securely in compliance with the General Data Protection Regulation 2016/679 (hereafter “GDPR”).

4.1.3 The person responsible for the processing of personal data on this website pursuant to Art. 4 para. 7 of the Basic EU General Data Protection Regulation (GDPR) is: Stelios C.A Thomopoulos.

Information about the person responsible:

Stelios C.A Thomopoulos

NCSR Demokritos

Patr. Gregoriou E & 27 Neapoleos Str, 15341 Agia Paraskevi, GREECE

scat (at) iit.demokritos.gr

4.1.4 When using the website for information purposes only, i.e. if you do not register or otherwise provide us with information, we only collect the personal data that your browser transmits to our server. If you wish to view our website, we collect the following data, which is technically necessary for us to display our website to you and to ensure stability and security. The legal basis for this is a balancing of interests pursuant to Art. 6 para. 1 sentence 1 lit. f GDPR:

- IP address
- Date and time of the request
- Time zone difference to Greenwich Mean Time (GMT)
- Content of the request (specific page)
- Access status/HTTP status code
- Amount of data transferred in each case
- Website from which the request comes
- Browser
- Operating system and its interface
- Language and version of the browser software.

4.1.5 According to the GDPR You have the following rights towards us with regard to personal data concerning you

- Right of access (Art. 15 GDPR)
- Right of correction or deletion (Art. 16 GDPR Art. 17 GDPR)
- Right of limitation of processing (Art. 18 GDPR)
- Right of opposition to processing (Art. 21 GDPR)
- Right of data transferability (Art. 20 GDPR)

2. You also have the right to complain to a data protection supervisory authority about our processing of your personal data.
3. You can exercise your rights by sending us an email here: communications-d4fly (at) iit.demokritos.gr
4. You can contact our data protection coordinator at any time:
Contact details communications-d4fly (at) iit.demokritos.gr
5. We do not keep your personal information for longer than necessary for the purposes for which we collected it. However, we may keep your information for a longer period for historical, statistical or scientific purposes with the appropriate safeguards in place.

4.2. Cookies

Cookies are used on D4FLY website for its technical functioning and for gathering statistics. The legal basis for processing personal data by using session cookies is Art. 6 para. 1 point (f) GDPR (legitimate interest). Without the use of the session cookies especially, several functions could not be offered on our website.

A cookie is a small piece of data that a website stores on the visitor's computer or mobile device.

The information on this page lists the cookies that this website uses and describes their

purpose.

You will also find more details here about cookies relating to our social media channels and Google Analytics, the service we use for our statistics.

4.2.1. Social media cookies

D4FLY is active on social media platforms. For instance, D4FLY is present on four key social media platforms – Twitter, LinkedIn, Facebook and Vimeo. These communities strengthen the project's online presence and visibility.

- D4FLY website does not set cookies with the display of links to our social media channels when you are browsing our website;
- You can watch D4FLY videos, which we upload on our Vimeo page. You can also follow links from our website to Twitter, LinkedIn, Facebook and Vimeo;
- In order to watch some Vimeo videos, a message will alert you that you will possibly need to accept Vimeo cookies to do so. Vimeo has its own cookie and privacy policies over which we have no control. There is no installation of cookies from Vimeo until you consent to Vimeo cookies;
- Similarly, by clicking on the Twitter, LinkedIn, Facebook and Vimeo button on our website, you will be redirected to those websites, which have their own cookie and privacy policies over which we have no control.

4.2.2. Session cookies

D4FLY is using session cookies to ensure the correct usage of the website. Cookies used by D4FLY are deleted after the session.

4.2.3. Persistent Cookies

Google Analytics

- Google Analytics is a service which monitors and evaluates the effectiveness and efficiency of D4FLY website.
- This platform enables the protection of end-user personal data thanks to features such as IP address de-identification and a mechanism for users to opt-out so that their browsing is not processed for analytics purposes.
- Google provides information about the [cookies used by Google Analytics](#).
- The cookies used by Google Analytics will be transmitted to and stored by Google on servers in the United States.

4.3. Privacy measures

Google Analytics is configured to use the domain <https://d4fly.eu/> and to store first-party cookies that expire after 2 years.

Cookies are used by D4FLY to track the following information about visitors. We use this information to prepare aggregated, anonymous statistics reports of visitor activity:

- IP address (masked)
- Location: country, region, city, approximate latitude and longitude (Geolocation)
- Date and time of the request (visit to the site)
- Title of the page being viewed (Page Title)
- URL of the page being viewed (Page URL)
- URL of the page that was viewed prior to the current page (Referrer URL)
- Screen resolution of user's device
- Time in local visitor's time-zone
- Files that were clicked and downloaded (Download)
- Links to an outside domain that were clicked (Outlink)
- Pages generation time (the time it takes for webpages to be generated by the webserver and then downloaded by the visitor: Page speed)
- Main language of the browser being used (Accept-Language header)

- Browser version, browser plugins (PDF, Flash, Java, ...) operating system version, device identifier (User-Agent header)
- Language of the visited page
- Campaigns
- Site Search
- Events

Persistent cookies are saved on your computer and are not deleted automatically when you close your browser, unlike a session cookie, which is deleted when you close your browser. Persistent cookies are automatically deleted after a specified period, which may vary depending on the cookie. You can delete cookies at any time in the security settings of your browser.

4.4 Opting out

By default, the browsing experience of website visitors is tracked by Google Analytics in order to produce anonymised statistics.

You may choose not to be tracked (opt-out).

If you change your mind, you can choose to be tracked again (opt-in).

Opt-in to Google Analytics

Please note: this feature will opt you out (or in) of cookies too. If you choose to opt-out, you will receive an opt-out cookie so that your decision is remembered. If you regularly delete your cookies, you will need to opt-out each time you delete them.

4.5. Do not track preferences

Do not track is a function that allows visitors to opt out from being tracked by websites for any purpose including the use of analytics services, advertising networks and social platforms. Do not track options are available in a number of browsers including Firefox, Internet Explorer, Chrome, Safari, Opera.

- If you enable do not track in your web browser, Google Analytics will respect your choice;
- If you have enabled the do not track function, you will not be tracked. This is in addition to your opting-out of the aggregation and analysis of data for our website statistics;
- If you have not enabled the do not track option but you choose to opt-out, the cookie 'ga-disable-UA' will be stored in your browser. All visitors with a ga-disable-UA cookie will not be tracked by Google Analytics;
- If you have disabled all cookies from your browser, we will still collect some general data about your browsing (e.g. a record of a visitor to our website) but they will be less accurate, and your visit will not be tracked.

4.6. Restricted access to information

All analytics data communication is encrypted via HTTPS protocol. The analytical reports generated can only be accessed by authorised Research Centre staff dealing with Google Analytics who may be required to analyse, develop and/or regularly maintain certain websites.

4.7. Masking of IP addresses

Note: Institution, city and country origin are determined from the full IP, then stored and aggregated before a mask is applied. Google Analytics uses an IP de-identification mechanism that automatically masks a portion of each visitor's IP (Internet Protocol), effectively making it impossible to identify a particular visitor via the sole IP address.

4.8. Visitor logs

Google Analytics automatically deletes visitors' logs after 25 months. Anonymised and aggregated data are stored for an indefinite period by the University for analysis purposes.

4.9. Contact

Specific questions about the storage and use of Google Analytics data by D4FLY can be sent to us at communications-d4fly (at) iit.demokritos.gr.

5. Intellectual property

All the information available on the website d4fly.eu **Fehler! Linkreferenz ungültig.** is protected by copyright. We also use creative content from websites that provide free of charge and royalty free content, fully respecting and taking under consideration any specific licensing terms of copyright exploitation. Unless otherwise indicated, reproduction of texts from these sites for non-commercial purposes and especially in educational situations is permitted, subject to the following three conditions being met:

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- Any exception to these rules shall be subject to the prior written approval of NCSR Demokritos and the author of the creative content.

6. Responsibility

- The user accepts that any access to the website or any use of the website shall be on the user own responsibility.
- NCSR Demokritos declines all liability for direct or indirect damage which may be caused by the use of the site, particularly in relation to an interruption to or cessation of the operation of the site or a dysfunction of the site which may result in particular from a shutdown for maintenance or upgrading of the computer system of NCSR Demokritos, technical faults or network overloads, faults in telephone lines, errors, negligence or misdemeanors by suppliers of Internet services or by a third party, or a virus acquired via the Internet.

7. D4FLY on Social Networks

D4FLY wishes to use social networks for maximum proximity with stakeholders, industry, researchers, etc. The aim is to provide them with special access to useful information likely to be of interest to them. To guarantee quality information flows where people remain respectful of good social practices and can participate freely, two guideline documents have been developed to assist users.

8. Law and courts

- The law of Belgium shall apply.
- The user is informed that only Brussels courts are competent to pronounce a ruling with respect to any disputes which may arise relating to the use, interpretation and implementation of the information and data featured on this website.

9. Contact

D4FLY Communications, Institute of Telecommunications and Informatics, National Center for Scientific Research Demokritos, Ag. Paraskevi, Attiki, Greece. Email: communications-d4fly (at) iit.demokritos.gr.

The user acknowledges that the user has taken note of this legal notice and undertakes to observe it.