

Security ECONomics service platform for smart security investments and
cyber insurance pricing in the beyond 2020 netWorking era



WP1 – Project Management and Coordination
Deliverable D1.1 “Quality Assurance Plan”

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Project Profile

Contract Number	823997
Acronym	SECONDO
Title	Security ECONomics service platform for smart security investments and cyber insurance pricing in the beyond 2020 netwOrking era
Start Date	Jan 1 st , 2019
Duration	48 Months

Partners

 University of Piraeus	University of Piraeus research center	Greece
	UNIVERSITY OF SURREY	United Kingdom
	Cyprus University of Technology	Cyprus
	UBITECH LIMITED	Cyprus
	LS Tech Espana	Spain
	Cromar Insurance Brokers LTD	Greece
	Fogus Innovations & Services P.C.	Greece

Document History

VERSIONS

Version	Date	Author	Remarks
0.1	22/03/2019	Christos Xenakis, Nikos Passas	Initial draft
1.0	31/03/2019	Christos Xenakis, Nikos Passas	Final

Executive Summary

This deliverable describes the internal management rules, technical organization and implementation, the versions of the latest official documents, and tables related management (deliverable lists, Gantt, etc.). It starts with the purpose of the document, the project ID card, the list of beneficiaries and planning assumptions. Then, it contains information about the project management such as the project Gantt and Pert charts, the management structure and procedures, the supervisory board members, deliverables and milestones. The next part includes the document naming and versioning, tools to be used, mailing lists, file manager and website information. The document concludes with information about the pre-financing and the kick-off agenda.

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1. Introduction

1.1. Purpose of the document

This document provides a statement of how and when the project's objectives are to be achieved, by showing the major outputs, activities and resources required during the project. It also contains all the necessary information to support management of the project, so that all the information can be found in a single place, rather than spread across multiple documents.

1.2. Project ID card

Acronym	SECONDO
Title of the Project	Security ECONomics service platform for smart security investments and cyber insurance pricing in the beyonD 2020 netwOrking era
Contract Number	823997
Call identifier	H2020-MSCA-RISE-2018
Star date – End date	01/01/2019 – 31/12/2022
Duration (in months)	48
Total Budget	€1,600,800.00
Total person months (PMs)	288
Community Financial Contribution	€1,600,800.00
Project Officer	Eleftheria Lykouressi
Logo	
Website	https://www.secondo-h2020.eu/

1.3. List of beneficiaries

No.	Partner full name	Short name	Country
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1	UNIVERSITY OF PIRAEUS RESEARCH CENTER	UPRC	GREECE
2	UNIVERSITY OF SURREY	SURREY	UNITED KINGDOM
3	CYPRUS UNIVERSITY OF TECHNOLOGY	CUT	CYPRUS
4	UBITECH LIMITED	UBI	CYPRUS
5	LSTECH ESPANA SL	LST	SPAIN
6	CROMAR	CRO	GREECE
7	FOGUS INNOVATIONS & SERVICES	FOG	GREECE

1.4. Planning assumptions

The planning assumptions made are:

- The “Description of Action” (Annex I in the GA) has enough information about the task descriptions and resource levels to be an accurate source, as the contract has been signed on this basis;
- All partners are able to perform the work required by the “Description of Action”;
- All partners comply with the project management and exploitation/dissemination plans presented in the “Description of Action”;
- Only minor variations in planning details are allowable without contract changes, such as allocation of resources within a Work Package or among Work Packages, but Tasks or Work Packages cannot be changed or deleted without the Commission’s approval;
- There is a fixed contract duration, 48 months, starting in January 2019, completing in December 2022.

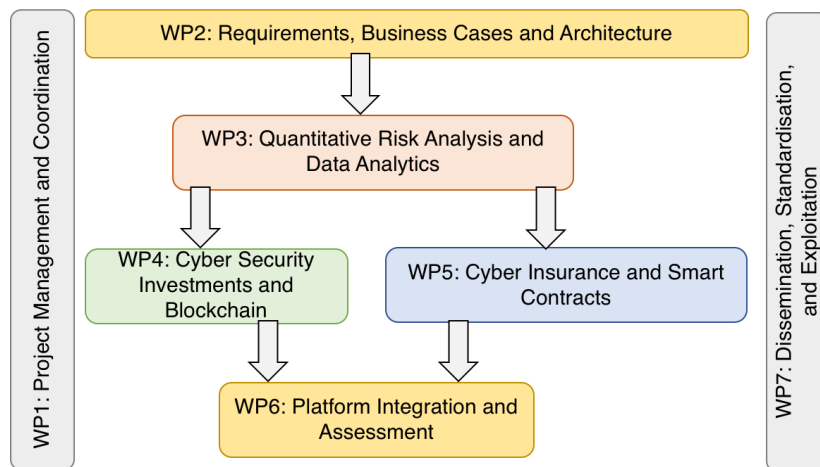
2. Project management

2.1. Project Gantt chart

	First Year (Y1)												Second Year (Y2)												Third Year (Y3)												Fourth Year (Y4)													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48		
Project Management and Coordination																																																		
WP1				D	M					M										M																													DM	
Task 1.1																																																		
Task 1.2																																																		
Task 1.3																																																		
Task 1.4																																																		
Requirements, Business Cases and Architecture																																																		
WP2																																																		
Task 2.1																																																		
Task 2.2																																																		
Task 2.3																																																		
Quantitative Risk Analysis and Data Analysis																																																		
WP3																																																		
Task 3.1																																																		
Task 3.2																																																		
Task 3.3																																																		
Cyber Security Investments and Blockchain																																																		
WP4																																																		
Task 4.1																																																		
Task 4.2																																																		
Task 4.3																																																		
Cyber Insurance and Smart Contracts																																																		
WP5																																																		
Task 5.1																																																		
Task 5.2																																																		
Task 5.3																																																		
Platform Integration and Assessment Experiments																																																		
WP6																																																		
Task 6.1																																																		
Task 6.2																																																		
Dissemination, Standardisation and Exploitation																																																		
WP7	1st Course / 7 Public Talks												2nd Course / 1st Workshop / 7 Public Talks												3rd Course / 2nd Workshop / 7 Public Talks												3rd Workshop / 7 Public Talks													
Task 7.1			S				N																																											
Task 7.2																																																		
Task 7.3																																																		
D: Deliverable M: Meeting N:Newsletter B: Brochure V: Video-clip S: Social media and web site																																																		

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2.2. Project Pert chart



2.3. Management structure and procedures

Management structure

The Project Management will be composed of Steering and Technical Management. The Steering Management will handle the organisation and administration of the project. The Technical Management will handle the technical evolution and development of the work. The following entities will be involved:

Project Coordinator (PC): Will be responsible for the efficient execution of all project activities. The PC will continuously monitor the progress of the project, by ensuring that it is adherent to the

objectives and workplan agreed in the contract. Other duties include: i) to promptly react if disagreements or inconsistencies show up with respect to the contract obligations with the EC, ii) the overall organisation of the activities to produce the annual review and the final reports, and iii) the management of all non-technical relations with the EC and other external liaisons. The PC is responsible for all administrative tasks, control report preparation, cost statements, and contracts.

Scientific Coordinator (SCo): Will be responsible for ensuring the technical and scientific excellence of the results. Coordinates and transmits documents and information from the technical project level to the project level ensuring the technical quality (e.g. deliverables and milestones). Monitors technical quality of the WPs output and ensures the consistency of the output. Monitors of the overall progress of the project and verifies the completion and required quality of technical contractual obligations, i.e. milestones and deliverables.

Steering Committee (SC): Will be composed of one ER from each beneficiary of the consortium. It will be the superior governing body and will have an adequate gender balance. It will be chaired by the PC. Currently, the SC is composed by the following members:

No.	Partner full name	SC member
1	UNIVERSITY OF PIRAEUS RESEARCH CENTER	Christos Xenakis (chair)
2	UNIVERSITY OF SURREY	Manos Panaousis
3	CYPRUS UNIVERSITY OF TECHNOLOGY	Michael Sirivianos
4	UBITECH LIMITED	Dimitris Alexandrou
5	LSTECH ESPANA SL	Evangelos Kotsifakos
6	CROMAR	Nikos Georgopoulos
7	FOGUS INNOVATIONS & SERVICES	Dimitris Tsolkas

Exploitation Committee (ExC): Will be responsible for ensuring efficient dissemination/exploitation of the results. It will be composed of representatives of each beneficiary. The tasks of the ExC will be coordinated by the PC and reviewed by the SC. Main tasks of the ExC will include the preparation of exploitation and knowledge sharing plans.

Scientists in Charge (SiC): Will be identified by the beneficiaries and serve as liaisons with the PC. SC members.

WP Leaders (WPL): They will coordinate all WP activities. They will report quarterly to the PC, arrange regular technical meetings, ensure program timeliness, and the right management of people and resources. Any discrepancy with the signed contract will be immediately reported to the PC. WPLs will lead the preparation of the deliverables and ensure that the objectives and milestones will be achieved in due time. At the kick-off meeting, each beneficiary will receive the management and project rules document (Project Handbook). The Project Management will facilitate cooperation within the project

by defining a set of rules for the organisation of the daily work. It will give information about the rules to be followed, particularly on task reporting, scheduled dates of plenary meetings, contact names, documents numbering, and handling rules. This document will summarise the financial rules of the project and the information to be included in the quarterly control reports. Templates for all documents will be identified.

Decision Process and Conflict Resolution

Decision Process: Decisions within the project will be made by common agreement among all parties involved. Within each WP, technical decisions which cannot be resolved through general consensus will be delegated to qualified technical experts. If no decision is made by them, a resolution will be attempted by WPLs and SC. If no solutions are found, the PC will issue a “Red Flag” procedure to notify the EC.

Conflict Resolution: If a conflict among the beneficiaries occur, a conflict resolution procedure will take place. The proposed procedure foresees to schedule a Project Management meeting within 31 days after the conflict has occurred. If the conflict cannot be solved by the Project Management, the PC will inform the EC within 7 days after the Project Management meeting. The PC will schedule a meeting with the ECPO (EC Project Officer) within 21 days after the Project Management meeting and will write a proposal to the SC within 14 days after the meeting with the ECPO. If the conflict cannot be resolved, the dispute will be settled under the Rules of Conciliation and Arbitration of the International Chamber of Commerce by arbitrators appointed in accordance with these rules.

Consortium Agreement: A Consortium Agreement (CA) will be signed after the acceptance of the project. It will define the important points needed to achieve the best possible management (financial conditions, planning). The unified consortium agreement will be used as a reference. The CA will identify background of each beneficiary that may be used to better achieve the objectives of the project. The list of patents at disposal of the beneficiaries will be included. The aim of this agreement is to determine the responsibilities of the consortium towards the EC. Various aspects will be covered including: confidentiality, ownership of results, commercial exploitation, obligation for use.

Information Flow and Communications Strategy

Plenary Meetings: Plenary meetings involving SC and WPLs will be organised three times a year. Technical problems of each WP will be discussed. The WPLs will illustrate the achievements and the actions put in place to ensure the workplan is respected. The WPLs will report technical problems or solutions that may have influence on other WPs. If problems cannot be solved by WPLs, the SC and the PC will intervene.

Means for Communications: - The communication between the PC and SiCs will be a pivotal mechanism to ensure the project success. The main channels for communication will be e-mails, video and teleconferences. The website will be a good vehicle for secure communications among the beneficiaries. “In person” meetings will be scheduled.

Methods for Project Monitoring and Progress Reporting

Documents Handling: Every meeting will be followed by minutes, summarizing decisions and action plans.

Deliverables Handling: Deliverables will be a joint effort among beneficiaries involved in a WP. Writing and delivery of deliverables will be under the responsibility of WPLs. A draft version of each deliverable will be approved by all beneficiaries involved. The SC will make the final approval. The deliverables will be released according to deadlines described in the project proposal. The deliverables will be delivered to the PC at least two weeks before their due date and after internal approval, they will be submitted to EC. The internal approval is essential and will be based on: i) technical quality, and ii) consistency with the project objectives and milestones.

Planning and Reporting: The PC will be responsible for preparing all reports to be sent to ECPO. Annually control reports will be written by each SiC. The PC will be responsible for the preparation of annual progress reports and the final project report. The reports will include or reference all deliverables of the reporting period. Every document written during the project will be sent to PC, who will register it under an appropriate identification number, and will include a version management. Program control will be based on Critical Path Analysis Techniques to ensure that primary objectives are achieved on time and resource demands correctly anticipated.

Quality Assurance: The control of quality is supported within the project through an organisational structure with adequate level of centralization and autonomy for each beneficiary. This will ensure monitoring and evaluation of the whole process, as well as the flexibility and creativity needed to carry out the agreed tasks.

Project Indicators: To assess project progress and success (ToK and research), *qualitative* and *quantitative* indicators will be established: (a) Indicators to quantitatively assess the research activity: i) number of individual and joint publications, ii) number of patents produced, and iii) development of new collaborations; (b) Indicators to quantitatively assess the ToK: i) right execution of all seconded activities, ii) networking events organised, iii) number of theses supervised, and iv) outreach activities; (c) Indicator to qualitatively assess the research activity: the constant analysis of the general project progress, identified mainly by the quality of research deliverables; (d) Indicators to qualitatively assess the ToK: i) level of satisfaction of seconded researchers, ii) monitoring of the transfer of knowledge plan, and iii) technical quality of the intersectoral collaborations.

Non-Disclosure Agreement (NDA): To achieve the project objectives, tools belonging to the background of one or more beneficiaries may be exploited. The beneficiaries will share information about their activities and provide access to some proprietary information. To protect the know-how of all beneficiaries, NDAs will be signed (adding to CA).

Management of Knowledge and Intellectual Property Rights (IPRs): Handling of IPRs and management of knowledge will follow guidelines established in the CA. The SC will take into account these guidelines and will provide recommendations to resolve IPR issues. The SC will assess all IPRs that are brought in or developed during the project. Based on the ownership of IPRs, access rights and use of results will be determined and regulated. The SC will give recommendations to the PC on the handling of the assessed IPRs. Each participant, who will bring IPRs to the project or develop IPRs within the project, will fill out an electronic form provided by the PC. Such statement will include special requirement for the use of IPRs in addition to the standard IPR-rules of the CA. Within one month after the form is filled out, the other participants will have the right to raise objections against such a statement. If no objections are raised within a month, the statement is accepted. Objections

will be handled by the SC.

Financial Management: Funding will be managed abiding by the terms/conditions of the contract with EC. UPRC will have the responsibility of the budget, which will be distributed to beneficiaries based on secondment plans. Financial reports will be provided to EC based on rules of the RISE program. The different beneficiaries have notably experience in managing and participating in EC projects, including MSCA.

2.4. Project deliverables

The project deliverables list is shown below.

Scientific Deliverables						
Del. #	Deliverable name	WP	Leader	Type	Diss. Level	Due Date
D2.1	Technical Requirements, Business Cases and Reference Architecture	2	UPRC	R	PU	M12
D3.1	Pricing Methods and Risk Modelling	2	SURREY	R	PU	M18
D3.2	Big Data Collection and Processing	2	LST	R	PU	M28
D4.1	Econometrics	4	CUT	R	PU	M26
D4.2	Continuous Risk Monitoring and Blockchain	4	UBI	R	PU	M28
D4.3	Cyber Security Investments	4	FOGUS	R	PU	M36
D5.1	Cyber Insurance Market, Attributes and Sources	5	CRO	R	PU	M24
D5.2	Cyber Insurance Policy Ontology	5	UPRC	R	PU	M30
D5.3	Decision Support for Cyber Insurance	5	SURREY	R	PU	M36
D6.1	Platform Integration	5	LST	R	PU	M42
D6.2	Platform Assessment	5	UBI	R	PU	M48
Management, Training, and Dissemination Deliverables						
Del. #	Deliverable name	WP	Leader	Type	Diss. Level	Due Date
D1.1	Quality Assurance Plan	1	UPRC	ADM	PU	3
D1.2	Project report 1	1	UPRC	R	PU	12
D1.3	Project report 2	1	UPRC	R	PU	36
D1.4	Mid term meeting	1	UPRC	Other	PU	18
D1.5	Data management plan	1	UPRC	R	PU	M6
D7.1	Dissemination and Standardisation Plan and activities	7	SURREY	R	PU	24
D7.2	Dissemination and Standardisation Activities, Market Analysis and Exploitation Plan	7	SURREY	R	PU	48
D8.1	GEN - Requirement No. 2	8	UPRC	Ethics	CONF	M1
D8.2	POPD - Requirement No. 3	8	UPRC	Ethics	CONF	M4

D8.3	POPD - Requirement No. 4	8	UPRC	Ethics	CONF	M4
D8.4	POPD - Requirement No. 11	8	UPRC	Ethics	CONF	M4
D8.5	M - Requirement No. 12	8	UPRC	Ethics	CONF	M12
D8.6	M - Requirement No. 13	8	UPRC	Ethics	CONF	M4
D8.7	POPD - Requirement No. 6	8	UPRC	Ethics	CONF	M4

2.5. Project Documentation – Deliverables

The editor of a deliverable is responsible to provide a pre-final almost ready version of the document to the SCo at least one week before the deadline. The SCo approves or rejects. After approval, the editor sends the deliverable to PC for submission. On rejection, the editor undertakes to handle the comments from SCo and resends the document for approval. The time plan of deliverables is as follows:

- ToC two months before the deadline (T-8 weeks)
- Feedback from the partners (T-7 weeks)
- ToC accepted by the SCo and PC (T-6 weeks)
- First round of contributions (T-5 weeks)
- Feedback from the deliverable's editor (T-4 weeks)
- Second round of contributions (T-3 weeks)
- Draft version submitted to SCo (T-2 weeks)
- Feedback from SCo (T-1 weeks)
- The SCo approves or rejects. On rejection, the editor undertakes to handle the comments and resends the document for approval in time.
- Final submission (T)

2.6. Internal milestones

The Description of Action also contains milestones for each Work Package. SECONDO work plan contains a number of milestones within or across work packages that help verifying and monitoring the progress of the work towards the objectives of the project. Although milestones do not form separate deliverables to the Commission, they are important to the internal organization of the project. The milestones identified for SECONDO project are listed below.

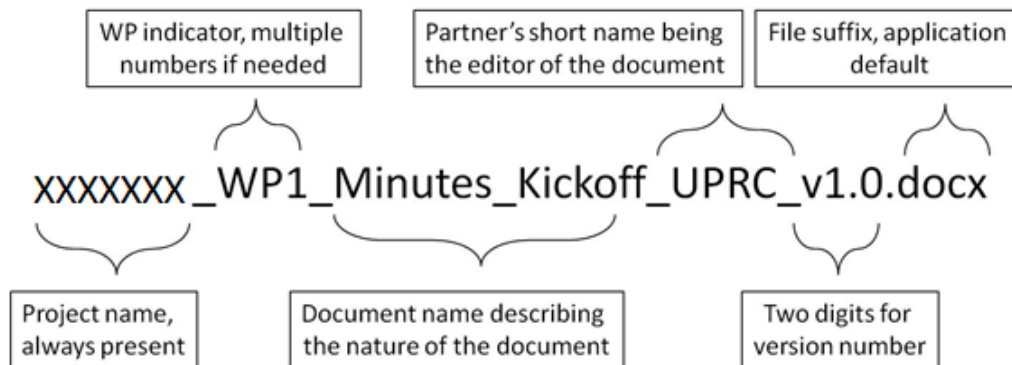
#	Title	Related WPs	Lead Benef.	Due Date	Means of Verification
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1	Requirements definition and initial dissemination networking activities	WP1,2,7	UPRC	12	D1.1, D1.2, D2.1 D7.1 completed, social media and project website up and running, 4 public talks delivered, 2 newsletter issued, at least 25% of the secondments started
2	Development started, and planned actions completed	WP3,4,5	LST	22	D3.1, D3.2 completed, 1 brochure, 4 newsletters, 1 video clip delivered, at least 50% of the secondments have started
3	Half of the SECONDO modules completed	WP1,3,4,5,7	CUT	30	D3.3, D4.1, D4.2, D5.1, D5.2 completed, first workshop, 1 brochure delivered, and 90% of the secondments have started
4	SECONDO modules individually implemented and tested	WP1,4,5	SURREY	36	Final output from technological WPs (D4.3, D5.3) together with third year’s activity report (D1.4), second workshop organised, 60% of the secondments completed
5	First version of the SECONDO platform delivered	WP1,6,7	UBI	42	First version of the SECONDO platform will have been integrated and fully operational (D6.1), third workshop organised, no remaining secondments to start.

2.7. Secondments planning

The initial planning for secondments is shown below. This may be revisited during the project during to adapt to researchers’ availability and project needs.

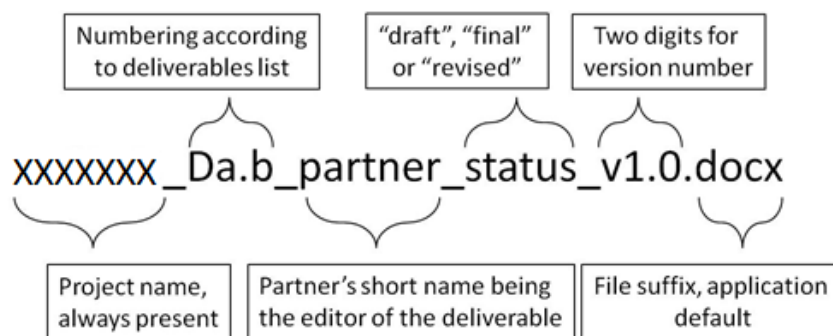
* Numbers inside the duration of secondments indicate the involvement in specific workpackages



Internal Document Name Example – Minutes of Kick-off Meeting

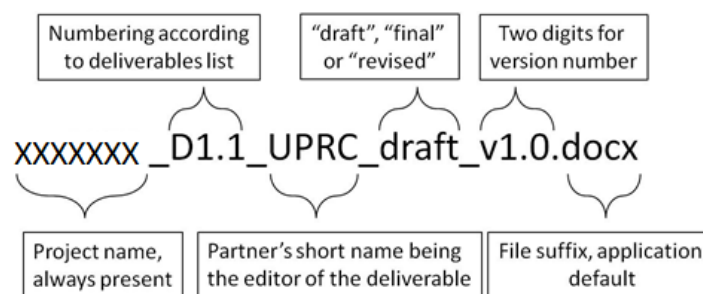
Each time a document is reviewed, even by the author, the minor variant number should be incremented so that old information is not permanently destroyed as work progresses.

A different naming format will be used for deliverables to the Commission, as shown in the following figure.



Deliverable Naming

An example –first draft version of D1.1 - is shown in the following figure.



Deliverable Name Example – First Draft Version of Deliverable D1.1

3.2. List of Partner Short Names to be used in File Names

No.	Partner full name	Short name
1	UNIVERSITY OF PIRAEUS RESEARCH	UPRC

	CENTER	
2	UNIVERSITY OF SURREY	SURREY
3	CYPRUS UNIVERSITY OF TECHNOLOGY	CUT
4	UBITECH LIMITED	UBI
5	LSTECH ESPANA SL	LST
6	CROMAR	CRO
7	FOGUS INNOVATIONS & SERVICES	FOG

3.3. Confidentiality Statements in Documents and Presentations

All documents must be classified as confidential, or public. The correct markings for these documents are shown below.

Internal Project Documents

All internal documents and presentations must be produced using one of the project templates, which will be available at the file manager. These will have the relevant statements already in place. However, these statements must also appear in all other written materials such as software source code. If there are any questions about putting confidentiality statements in non-office documents, contact the CO.

Confidentiality statement for front page of internal confidential documents and header of all source code:

PROPRIETARY RIGHTS STATEMENT

This document contains information, which is proprietary to the SECONDO Consortium. Neither this document nor the information contained herein shall be used, duplicated or communicated by any means to any third party, in whole or in parts, except with prior written consent of the SECONDO consortium.

For all confidential documents, subsequent pages should contain in the footer, on every page, the nature of the document:

Dissemination level CO - Confidential

If it is possible to add this to subsequent pages of printed software source code, this should be done.

Commission Deliverables

For SECONDO project, two types of dissemination level for deliverable items are used;

- PU = Public
- CO = Confidential, only for members of the consortium (including the Commission Services)

Many project deliverables are public and will, after acceptance by the Commission, be made available on SECONDO web site in a public domain. In all cases, the title page will contain a statement which indicates what level of dissemination is applied (either PU, or CO) to the deliverable item and description of the dissemination level, using text supplied by the Commission. This will be part of the standard templates used for deliverables.

All other confidentiality / security markings in deliverables will be removed

3.4.3 Other External Documents

The requirement (written in the Grant Agreement, article 29.4) is that we must always acknowledge EC support for the project, and also put a statement which absolves the EC of any liability that may be caused by the document.

Unless the EC requests or agrees otherwise or unless it is impossible, any dissemination of results (in any form, including electronic) must:

- (a) display the EU emblem and
- (b) include the following text:

“This project has received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement No 823997”.

When displayed together with another logo, the EU emblem must have appropriate prominence.

For the purposes of their obligations under this Article, the beneficiaries may use the EU emblem without first obtaining approval from the EC. This does not however give them the right to exclusive use.

Moreover, they may not appropriate the EU emblem or any similar trademark or logo, either by registration or by any other means.

Any dissemination of results must indicate that it reflects only the author's view and that the EC is not responsible for any use that may be made of the information it contains.

3.4. Tools to be used

Office Tools

All documents will be edited using Microsoft Office tools, as follows:

- Text Processing: Word 2007 or later versions

- Presentations: Power Point 2007 or later versions
- Spread sheet: Excel 2007 or later versions
- Document Viewer: Adobe Acrobat PDF Reader 10.0 or higher
- Web browser: Most recent versions of MS Internet Explorer, Mozilla, Chrome
- File Compression: Recent version of WinZip
- Graphics: For most drawings and charts, it turns out that the built-in drawing and charting tools in Word, Power Point, and Excel are sufficient for technical presentations. Whenever possible, these tools should be used. For more sophisticated drawings, Photoshop, or Paint Shop Pro are recommended applications. If other graphic tools are used, they have to be able to provide files in the formats: EPS, WMF, BMP, GIF, JPG, TIF, PCS, or HPGL. It is also recommended to provide the original graphic file together with the document.

Software Tools

This section will be edited later, once the SECONDO framework has been matured and the implementation/simulation methodology has been agreed upon.

3.5. Mailing Lists

The mailing lists identified inside SECONDO project are as follows.

secondo-list@ssl-unipi.gr	General list for all persons involved to the project
secondo-tech-list@ssl-unipi.gr	List for technical issues only
secondo-pmt-list@ssl-unipi.gr	List for the project management team

3.6. File management platform

In order to make easier to share documents between partners, SECONDO project is hosting a GitLab server, https://secondogit.ds.unipi.gr/users/sign_in. It provides a safe, secure, and compliant file synchronization and sharing solution. It allows to share one or more files and folders and synchronize them. There are clients for different devices and platforms: Windows, Android app and iOS.

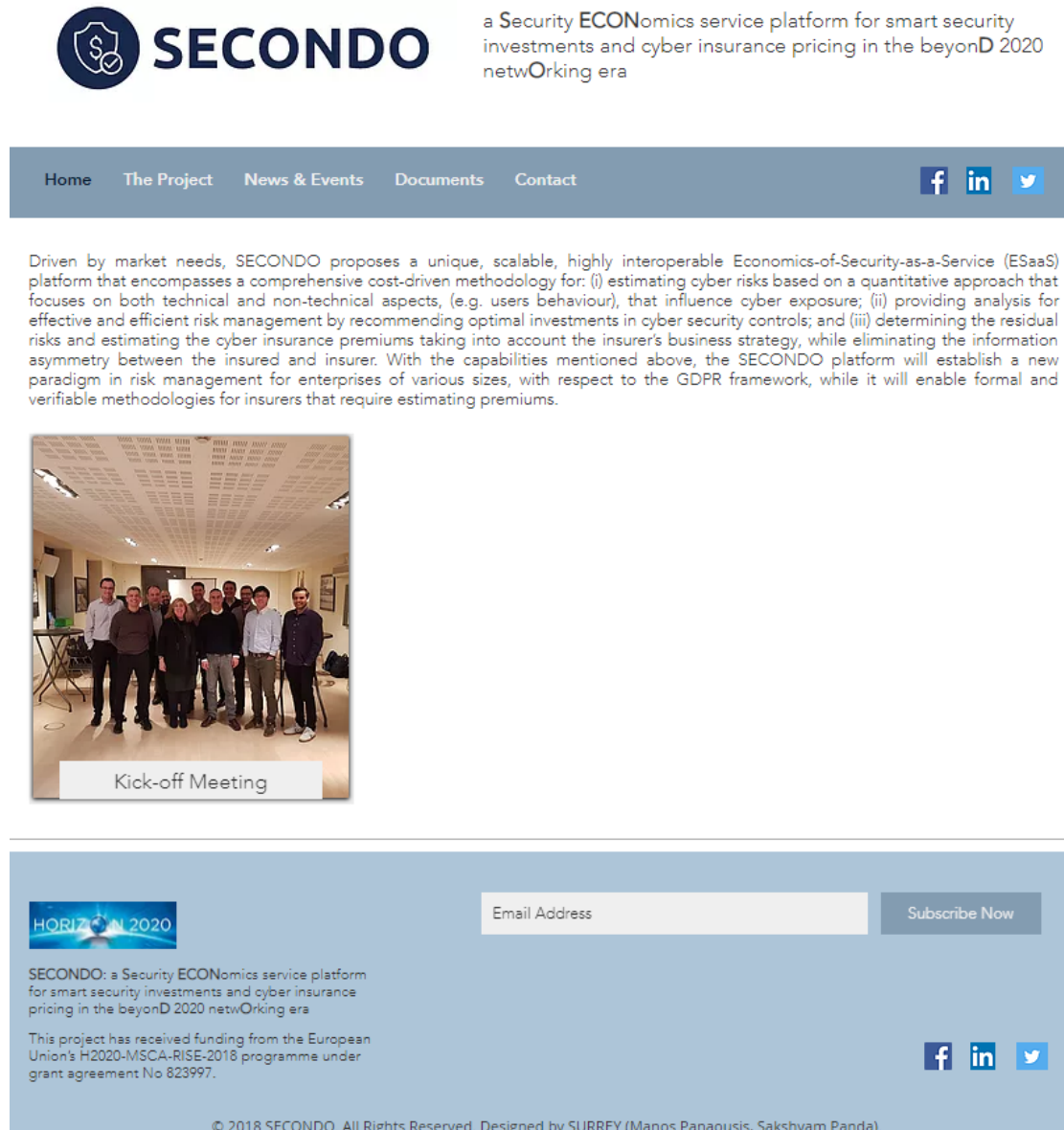
When the user wishes to share its work with the other project member it has to push the modified/added files on the server. One of the main advantages of GitLab is the ease of use when talking about the branch system. Users can locally create branches, which are lines of work forked from another lines of work, in order to handle a specific issue without affecting the main line of work. After the users are finished with the branched issue, the work can be merged on the main branch and then pushed on the server in order to make it available to the other project members. When the local branch is no longer needed, it can be deleted, this being transparent to the other project members.

3.7. SECONDO website

SECONDO project has an official reserved website address, which is located at:

<https://www.secondo-h2020.eu/>

All SECONDO related information will be found on the website. All deliverables, which are public, will be available on the website. At the moment, the site has all the required information for the project (scope, consortium, workpackages, funding, etc.) and will be updated during the project’s duration. The first page of the website is shown below:



The screenshot shows the SECONDO website homepage. At the top is the SECONDO logo and tagline: "a Security ECONomics service platform for smart security investments and cyber insurance pricing in the beyond 2020 netwOrking era". Below this is a navigation bar with links: Home, The Project, News & Events, Documents, and Contact. Social media icons for Facebook, LinkedIn, and Twitter are also present. The main content area features a paragraph describing the SECONDO platform's purpose and capabilities. Below the text is a photograph of a group of people at a "Kick-off Meeting". At the bottom of the page is a blue footer section containing a "HORIZON 2020" logo, a description of SECONDO, funding information from the European Union, a newsletter subscription form with an "Email Address" input field and a "Subscribe Now" button, social media icons, and a copyright notice: "© 2018 SECONDO. All Rights Reserved. Designed by SURREY (Manos Panaousis, Sakshyam Panda)."