|  |  |
| --- | --- |
| **European Commission** Innovation and Networks Executive Agency (INEA)  **Connecting Europe Facility** | **Final report** |
|  | |

|  |  |
| --- | --- |
| **1. INFORMATION ON THE ACTION** | |
| Grant Agreement Nº | INEA/CEF/ICT/A2017/1560867 |
| Action Title (Art. 1 of G.A.) | EeISI European eInvoicing Standard in Italy |
| Action number (Art. 1 of the G.A.) | 2017-IT-IA-0150 |

|  |  |
| --- | --- |
| Author of the report | |
| Name | Emanuela MARIOTTI |
| Position | Project Coordinator |
| Coordinator's Legal Name | Agenzia per l’Italia digitale |
| Telephone Nº | +39 06 8526 4431 |
| E-mail | mariotti@agid.gov.it |

|  |
| --- |
| **2. IMPLEMENTATION OF THE ACTION** |

|  |
| --- |
| **2.1. Overall completion of the Action** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Planned Start/End date[[1]](#footnote-1)** | | **Actual Start/End date** | | **Completion[[2]](#footnote-2)** |
|  | 01/05/2018 | 31/12/2019 | 01/05/2018 | 31/12/2019 | 100% |

|  |
| --- |
| **2.2. Completion per activity/work package** |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Activity 1** | **Title[[3]](#footnote-3)** | **Planned Start/End date3** | | **Actual Start/End date** | | **Completion** |
| Project Management | 01/05/2018 | 31/12/2019 | 01/05/2018 | 31/12/2019 | 100% |
| **Milestone no** | **Title3** | **Planned date3** | | **Actual date** | | **Reached (Y/N)** |
| 1 | Project management plan prepared | 30/06/2018 | | 30/06/2018 | | Y |
| 11 | Project end | 31/12/2019 | | 24/03/2020 | | Y |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Activity 2** | **Title3** | **Planned Start/End date3** | | **Actual Start/End date** | | **Completion** |
| Analysis | 01/05/2018 | 30/07/2019 | 01/05/2018 | 30/09/2019 | 100% |
| **Milestone no** | **Title3** | **Planned date3** | | **Actual date** | | **Reached (Y/N)** |
| 2 | Technical specifications for Italian CIUS, FatturaPA updated version and message response guidance finalised | 31/05/2019 | | 31/05/2019 | | Y |
| 3 | Systems upgrade and eDelivery gap analysis completed (for eInvoice Mapper Framework; systems of InfoCert, Intercent-ER – [NoTI-ER and SATER] and Unioncamere) | 30/07/2019 | | 30/09/2019 | | Y |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Activity 3** | **Title3** | **Planned Start/End date3** | | **Actual Start/End date** | | **Completion** |
| Design | 01/07/2018 | 30/09/2019 | 01/07/2018 | 30/10/2019 | 100% |
| **Milestone no** | **Title3** | **Planned date3** | | **Actual date** | | **Reached (Y/N)** |
| 4 | Design Validation completed (for eInvoice Mapper Framework; systems of InfoCert, Intercent-ER – [NoTI-ER and SATER] and Unioncamere) | 30/09/2019 | | 30/10/2019 | | Y |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Activity 4** | **Title3** | **Planned Start/End date3** | | **Actual Start/End date** | | **Completion** |
| Implementation | 01/09/2018 | 31/10/2019 | 01/09/2018 | 31/11/2019 | 100% |
| **Milestone no** | **Title3** | **Planned date3** | | **Actual date** | | **Reached (Y/N)** |
| 5 | Software ready for technical testing and use cases (for eInvoice Mapper Framework; systems of InfoCert, Intercent-ER [NoTI-ER and SATER], Unioncamere and 4 Access Points) | 31/10/2019 | | 31/11/2019 | | Y |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Activity 5** | **Title3** | **Planned Start/End date3** | | **Actual Start/End date** | | **Completion** |
| Validation | 01/09/2018 | 30/11/2019 | 01/09/2018 | 24/03/202020 | 100% |
| **Milestone no** | **Title3** | **Planned date3** | | **Actual date** | | **Reached (Y/N)** |
| 6 | Testing successfully executed and eInvoicing platform and eDelivery channel solution ready for the production | 30/11/2019 | | 08/01/2020 | | Y |
| 7 | The Access Point and Service (AS4) Metadata Publisher are up and running and have passed the connectivity test provided by the eDelivery Core Service Platform (for all eDelivery AP deployed with the action). | 30/11/2019 | | 09/03/2020 | | Y |
| 8 | Validation of e-invoices by core service platform (via eDelivery): The GITB test platform (of DIGIT) will be used to assess a compliance of a given e-invoice to EN syntaxes supported by test infrastructure. If errors are detected, they will be fixed. | 30/11/2019 | | 10/03/2020 | | Y |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Activity 6** | **Title3** | **Planned Start/End date3** | | **Actual Start/End date** | | **Completion** |
| Dissemination | 01/05/2019 | 31/12/2019 | 01/05/2019 | 31/12/2019 | 100% |
| **Milestone no** | **Title3** | **Planned date3** | | **Actual date** | | **Reached (Y/N)** |
| 9 | Dissemination completed | 31/12/2019 | | 31/12/2019 | | Y |
| 10 | Guidance Paper on EN compliant e-invoice adoption in Italy | 31/12/2019 | | 31/12/2019 | | Y |

|  |
| --- |
| **2.3. Description of the implementation of the Action, including the actual status at the end of the Action and possible deviations from the planned activities, and, if applicable, compliance with any relevant specific provisions as indicated in the Annex I of the GA** |
| The EeISI action had the goal of consolidating the Italian Core Invoice Usage Specifications (CIUS) of the European eInvoicing standard (EN) and assess the possible alignment of the national CIUS to the PEPPOL BIS Billing v3 (PEPPOL CIUS) in order to provide a complete interoperability. In particular, the Italian national eInvoicing format (FatturaPA XML) had to be aligned to the European semantic core model to boost the adoption of the EN compliant eInvoice also in the Italian domestic context as well as to foster participation of Italian CAs and EOs to the Digital Single Market.  In order to manage the new version of the Italian CIUS, it was necessary to upgrade the eInvoice Mapper Framework developed under CEF Telecom funded action 2015-EU-IA-0050 (“eIGOR”). The eInvoicing national messages supported by the national eInvoicing hub (SDI) had to be revised in order to support the national CIUS's mechanism and also the related PEPPOL messages had to be analysed in order to evaluate the possibility of adopting them.  Furthermore, the action includes the deployment and integration of the CEF eDelivery services, through new Access Points as well as a national SMP, which would then become the only service capabilities provider for Italian contracting authorities.  Among the results of the action, it was expected to upgrade both the SDI and the regional eInvoicing system of INTERCENT-ER and the eInvoicing system of UNIONCAMERE through the existing eInvoice Mapper Framework. Moreover, in order to facilitate and further promote the use of EN both at a domestic and cross-border level, specific services targeting SMEs were expected to be made available by UNIONCAMERE and INTERCENT-ER. UNIONCAMERE would provide free of charge to Italian SMEs a service allowing to prepare, archive and translate invoices in the EN standard and send them through the integrated Access Point (AP). INTERCENT-ER would develop a web-interface to enable Italian SMEs to issue EN compliant invoices to Italian public administrations, which would be sent via eDelivery to the SDI. The service would be provided free of charge.  The Consortium of the EeISI project is composed by the following partners:   * AgID, the Italian Agency for Digital transformation, which is in charge for leading the implementation of the Italian Digital Agenda strategies, whose role in the Action is as Project Coordinator; * InfoCert S.p.A. (InfoCert); * Unioncamere - Unione italiana delle camere di commercio, industria, artigianato e agricoltura (UNIONCAMERE); * Intercent-ER Agenzia regionale per lo sviluppo dei mercati telematici (INTERCENT-ER); * UNINFO (UNINFO); * Agenzia delle Entrate (AdE).   The original Gantt chart of the action is shown in Figure 1.    Figure 1 - Original Gantt of EeISI project  First plenary meeting of the project was held on June 19th , 2018, with the goal of discussing the relevant tasks to be carried out for the Analysis Activity. Among the issues that were tackled, the partners remarked that it was essential to define the gap analysis between the semantic model of fatturaPA and EN 16931, as some details of the European norm were not defined yet, as for the code list related to the VAT Exemption Reason code. Other items were discussed as the registration of ISO/IEC 6523 codes for the Italian VAT, in order to establish transparent identifiers that would ease the interoperability of the European eInvoice with the Italian requirements.  The Analysis activity was planned in order to pursuit two main goals:   * Consolidate the Italian CIUS by analysing the gap between all the information included in the national format FatturaPA and the European Norm EN 16931, so as to map them the former into the latter in the design phase; * Analyse the requirements to integrate the eDelivery channel in the national eInvoice Infrastructure, which demands the mandatory transmission of all the eInvoices to the National Exchange Node (Sistema di Interscambio – SdI).   The gap analysis between the eInvoices formats was carried out by all partners and was operated in continuity with the results of the output of the previous Action 2015-IT-IA-0050 (eIGOR project). In eIGOR, indeed, the Consortium defined the mapping in between the European norm EN 16931 and the national format fatturaPA, obtaining a preliminary result of CIUS.  It must be considered that representatives of the Consortium are also members of the “CEN/TC 434 - Electronic Invoicing”, giving a leverage to the partner for bringing their requirements to the CEN committee responsible for defining the European Norm for the eInvoice. Their role was also essential in order to align the Italian technical specifications to the CEN decisions, as for what concerns the adoption of specific codelists.  The result of the analysis has shown that some of the information needed in the Italian Billing context (included in the FatturaPA format) cannot be mapped in the European eInvoice, because of a lack of semantic opportunities in the latter. Namely, these information are:   * Withholding tax; * Stamp; * Pension fund; * Split Payment; * AIC Farmaco –identifier, mandatory by law, for active ingredient in drug sales invoices.   These are considered additional information with respect to the Core Invoice, hence the CIUS was completed in time with the expected deadline of milestone 1.  Nevertheless, the partners aimed at finding a solution that would have included also the additional information in the CIUS that Agenzia delle Entrate would have published to fulfil the Legislative Decree n. 148/2018, which is the Italian transposition of Directive 2014/55/EU on European eInvoices. For this reason, the partners dedicated an extended effort to mitigate the gap.  The evolution of the eInvoice Mapper, implemented thanks to the Action 2015-IT-IA-0050 (eIGOR project), was carried on through testing activities started on September 2018, in order to support the consolidated CIUS.  However, as a result of the first part of the project, the partners were able to send, at the end of October 2018, their RFC to the OpenPEPPOL community, in order to define the PEPPOL CIUS valid for eInvoice sent to Italian Contracting Authorities.  One of the major issues with defining the PEPPOL CIUS was the impossibility to define business rules applicable on the seller side for the PEPPOL BIS Billing 3.0, which is something that the partners defined in order to adapt the PEPPOL format to the national requirements. It must be considered that some business rules (for instance, restriction on the Italian VAT identifier) are adopted by SdI and applies only for Italian sellers sending eInvoices to Italian Contracting authorities: shifting this kind of requirements on the buyer side would have implied to restrict the usage of XML elements also for eInvoices coming from foreign sellers, compromising the cross-border interoperability. The impossibility is due to the fact that the PEPPOL business rules are commonly defined only on buyer side.  Agenzia delle Entrate and the other partners were concerned about this issue as it would have impacted significantly on the possibility to use the PEPPOL BIS Billing 3.0 within the national context.  Nevertheless, after a long examination of the issue (concluded on February 2019, with the release of the BIS Billing 3.0), carried out with the PEPPOL community, Italy managed to apply business rules on the buyer side, but with the condition that both the buyer’s and the seller’s country codes should be the same. Thanks to this solution, the PEPPOL BIS Billing 3.0 was granted compliance with the italian CIUS.  Meanwhile, among the additional information, only the issue related to the ‘split payment’ was solved. Indeed, some of the partners representatives proposed to the CEN TC 434, on February 2019, a modification to the EN 16931, namely defined “Italian A-deviation”.  In line with the ongoing activities, in the same period the partners registered the following ICD code to be adopted in the CIUS:   * 0201 Codice univoco unità organizzativa IPA – Public Adminstration Identifier SchemeID, * 0202 posta elettronica certificate – registered mail SchemeID, * 0205 coddest – digital home SchemeID;   These codes were later communicated to CEF, in order to update the EAS codelist supported by CEF.  The modifications were included in the CIUS that was later publicly announced by Agenzia delle Entrate with the Measure published April 18th, 2019.  As mentioned above, a parallel Analysis and Design activity was carried out to integrate the eDelivery channel in the Italian eInvoice Infrastructure.  The original proposal intended to implement a dedicated AS4 eSens Access Point for the SdI, while Intercent-ER would have upgraded their SMP to a national SMP, mandatory for all the Contracting Authorities that register on PEPPOL. At the same time, considering the upgrade of the SdI’s business logic as a consequence of the evolved CIUS, analysis and design of the upgrade for MLR/IMR was planned to have PEPPOL messages adherent to SdI communications.  It must be considered that Agenzia delle Entrate, as mandated by the national Law n.205/2017, at the time of this investigation was also carrying on the needed activities to extend the national eInvoice infrastructure to the B2B market. Indeed, since January 1st 2019, B2B eInvoices would have become mandatory by law, with the obligation to transmit invoice documents to the SdI.  Nevertheless, technical specification for PEPPOL AS4 were not consolidated at the time of the analysis. Indeed, the migration process from AS2 to AS4, announced with the Letter of Understanding between OpenPEPPOL AISBL and the European Commission in 2016, was later defined only at March 2019, where it was publicly stated that AS4 would have become mandatory starting February 1st, 2020.  On December 2018, Agenzia delle Entrate, considering the need to prioritise the upscale of the eInvoice management process of SdI for the inclusion of B2B, estimating a volume of eInvoices higher than 200 Million per month, but also considering the lack for a stable and consolidated version of PEPPOL AS4 (some issues were later discussed on March 2019, during the F2F PEPPOL communities meeting), decided to officially communicate to AgID and to the partners their impossibility to pursuit their initial goal of the project, declaring that they would not implement their AS4 Access Point.  This decision significantly impacted on the project roadmap and required to modify the original solution architecture in order to preserve the project’s goals.  It must be remarked that, even though Agenzia delle Entrate was not involved anymore in the implementation of the project, it has always been consulted and informed about the continuation of the Activities.  The partners discussed about an alternative solution, which requires the corner 3 in the PEPPOL architecture to interact with the SdI, adopting SdI’s existing infrastructure (web services, ftp or registered email).  A new approach was envisaged, namely to have the AP associated to the receiver, a Public Administration, to interact with SdI in order to deliver the eInvoice, according to the law obligations.  As this approach appeared to be feasible, preserving the initial interoperability goal of the project, another problem arose: whilst with a single AP, as initially planned, the eInvoice service capability association for each Public Body would have resulted straightforward, easing the management of the SMP entries, instead the corner 3 approach would have required to know the APs that are enabled to communicate with SdI.  Starting January 2019, the partners found a solution to this problem, leveraging on two assets:   * The single SMP for the Public Adminstrations, whose implementation was already planned in the project; * The Index of Public Administration (IPA) register, namely the service managed by AgID and used by Public Administrations in order to get a unique Identifier.   IPA already contains for each public body the buyer identifier to be adopted in the Italian B2G context. This identifier is called UFE (that stands for “Ufficio Fatturazione Elettronica”, an identifier for each public office responsible for the buying operations). The proposed solution aimed at integrating IPA with information of about the AP that the public body would have possibly chosen to receive eInvoices through the PEPPOL channel.  Then, IPA would have been integrated with the single SMP for Public Administrations, granting an updated and aligned information about the eInvoice capability service for each public body.  It must be noticed that the IPA identifier was already adopted as endpoint electronic address, by the introduction of the 0201 code, according to the ISO ICD standard registered by AgID on the first months of 2019 and subsequently communicate to CEF for updating the official EAS codelist. This aspect facilitated the integration of IPA with the single SMP, as it was expected from an organic framework for B2G eInvoice management.  The above solution was discussed with Agenzia delle Entrate, , which identified no major drawback, as the new proposal would have exploited the already exisisting infrastructure.  On March 2019, AgID, after having consolidated the alternative solution, officially informed INEA about Agenzia delle Entrate’s decision and requested an Amendment to the exisisting Grant Agreement. On a first moment, the partners demanded to postpone the conclusion of the project to April 30th, 2020, in line with the introduction of the mandatory extension of the European eInvoice to all local public bodies, as requested by the European Directive 2014/55/EU and from its italian transposition, Legislative Decree n. 148/2018.  After some clarifications and refinements, considering the need to contain the time extension of the intervention, INEA officially confirmed the consolidated Amendment on June 29th, 2019, postponing the end of the project at December 31st, 2019.    Figure 2 - Amended Gantt of EeISI project  The delay due to the change in the project’s architecture obliged the partners to extend the analysis till July 30th, 2019, in order to take into account the possible deviations given from the introduction of the “corner 3” model, which demands the buyer’s Access Point to directly interact with SdI. Analysis activity would have ended when all the plans for the services to be upgraded would have been considered as stable. Because of this delay, also Design of the components, Implementation and Validation needed to be postponed, as illustrated in Figure 2. Dissemination was delayed subsequently, in order to inform appropriately the eInvoice stakeholders in Italy.  For what concern the realization of EN eInvoice services, the project included the following tasks:   * Infocert would have upgraded their “LegalInvoice” service for SMEs; * Unioncamere would have upgraded «Fattura elettronica – il servizio delle Camere di Commercio» service for SMEs; * Intercent-ER would have upgraded “SATER”, the web platform adopted by public bodies in Region Emilia-Romagna.   The planned intervention aimed at allowing SMEs and Public Administrations to handle the European Invoice format.  At the same time, Agenzia delle Entrate would have updated SdI with the eInvoice Mapper based on the consolidated CIUS, in order to correctly interoperate in the B2G context, in agreement with the European Directive 55/2014/EU.  As stated before, the CIUS was consolidated by April 18th , 2019, way before the foreseen Milestone 1, planned for May 31st, 2019. Nevertheless, it should be remarked that also the message response was to be considered for the completion of Milestone 1. This is the reason why part of the analysis focused on mapping the SdI message response with the Invoice Message Response, supported on the eDelivery channel.  Infocert and Unioncamere both started to upgrade their respective services on the basis of the eInvoice Mapper upgrade and on the consolidated CIUS’s technical specifications.  Intercent-ER had to cope with the integration of their platform, SATER, with their AP, NotiER, selected as natural candidate to be the “corner 3” in the novel approach for B2G einvoices. Basically, Intercent-ER had three main goals:   * Upgrade their AP’s protocol to AS4 from AS2; * Integrate NotiER with SdI and manage both sending eInvoices to SdI and receiving and translating SdI message responses into IMR; * Upgrade SATER, in agreement with the upgraded eInvoice Mapper and with Sdi notifications.   Moreover, Intercent-ER was also responsible for integrating the nation-wide SMP of Public Administrations with the IPA register, in order to allow all the public administrations to implement their receiving capabilities, through the communication of the AP namely selected by each public body to operate as “corner 3”.  All of these activities were carried out through spring and summer 2019.  On September 10th, 2019, the partners reported the following situation:   * Agenzia delle Entrate was already using the evolved eInvoice Mapper Framework on SdI (evolution maintenance was however carried on during fall 2019). * Infocert completed both the upgrade of the eInvoice Mapper Framework, uploading it on Github, based on version 1.1 of Agenzia delle Entrate’s technical specifications for the Italian CIUS, and the design of their service “LegalInvoice”; * Unioncamere completed the upgrade of their service «Fattura elettronica – il servizio delle Camere di Commercio»; * Intercent-ER had started both the upgrade of SATER and the integration of the unique SMP with the IPA register.   Based on the partners’ statements, Milestone 4, expected for September 30th, 2019, was considered completed.  Another complexity in the project was given by the implementation of the eDelivery channel: what was expected as a smooth operation, revealed inconsistencies in the integration with the CED eDelivery channel.  Therefore Infocamere had to implement an AS4 AP while Intercent-ER and InfoCert needed to upgrade their AP AS2 to support AS4.  Due to their consolidated experience with NotiER, Intercent-ER decided to implement the Oxalis AS4 version of the Access Point. The same did Infocamere, while Infocert decided to adopt the Domibus solution. All the chosen software are listed among the CEF AS4 conformant solutions (<https://ec.europa.eu/cefdigital/wiki/display/CEFDIGITAL/eDelivery+AS4+conformant+solutions>).  As stated in planned Milestone 8, all the eDelivery channels would have been tested against the Core Service Platform GITB, managed by DG DIGIT. The testing procedure required to the above-mentioned partners to perform first a Connectivity test and then a Conformance test with DG DIGIT.  The main difference stands in the capability to transmit and receive documents via eDelivery (Connectivity test) versus the capability to transmit and receive compliant EN eInvoices (Conformance test).  On February 2019, Unioncamere, which was adopting the Oxalis AS4 solution, faced several issues with the Connectivity test. As a result, the Oxalis AS4 solution, maintained by DIFI (Norway) and designed to operate mainly on the PEPPOL network, revealed some lacks in the connectivity operations with the CEF platform. Unioncamere was ready to put in production the AS4 AP by April 2019 joining the PEPPOL network, nevertheless the connectivity problem kept being there.  It must be considered that OpenPEPPOL stated, during the 11th General Assembly held in Brussels on March 2019, that the AS4 would have become mandatory over the PEPPOL network starting from February 1st 2020. Until this deadline, AS2 was mandatory and AS4 optional. Hence, the AS4 adoption timeline in PEPPOL was significantly misaligned with the project’s end milestone, and this could have impacted on the completion of CEF Connectivity Tests for the Oxalis solution.  Unioncamere and Intercent-ER, both using Oxalis, tackled the problem supporting DIFI with several issues and comments, to help upgrade the software and pass the connectivity test with the CEF platform. The problem did not seem to be easy to solve, hence it took several months to find the correct adjustments. INEA was kept informed about the problem.  By November 2019, as the issue was not solved yet, Unioncamere decided to implement a new AP AS4, based on the Domibus solution, whose connectivity had already been tested by Infocert. Indeed, Infocert switched on production their AP by April 2019 and were able to go through the Connectivity Test with the CEF platform. Unioncamere managed to complete the connectivity test only by January 2020.  Intercent-ER switched in production with a working Oxalis AS4 solution as PEPPOL AP on November 2019. They kept working on the Oxalis solution but they managed to pass the CEF Connectivity test only after the connectivity issue was solved, which is on March 2020.  As a result, Milestone 7, expected by November 30th, 2019, was only fulfilled on 9 March 2020. Nevertheless, it must be remarked that by the expected date, all the eDelivery AP implemented in the solution were approved and in production on the PEPPOL network.  However, the delay in the completion of the eDelivery tasks within the project were not an issue to carry on the validation activities planned in the project.  Indeed, having SdI adopted the latest evolution of the eInvoice Mapper Framework by November 15th, 2019, and having Intercent-ER implemented both the SATER upgrade and the SMP-IPA integration, all the software implemented in the project were ready for testing, completing Milestone 5, expected by October 31st, 2019.  Testing activities started on December 9th , 2019, trying both domestic and cross-border use cases. In the latter case, tests were conducted with the support of EDICOM, member of another CEF Consortium.  The tests were officially completed on January 8th, 2020, postponing the completion of Milestone 6 of about 1 month with respect to the expected date, November 30th, 2019.  It must be said that being the PEPPOL technical specification of PEPPOL BIS Billing 3.0 based on the UBL syntax, the use cases that involved the use of the eDelivery channel were not tested over the CII syntax. Nevertheless, for the sake of completeness, the CII format was tested through traditional channels: CII EN eInvoices were sent through registered mail to SdI, that, thanks to the eInvoice Mapper, was able to correctly receive them.  For what concerns the Milestone 8, expected by November 30th, 2019, all the elements above must be taken in considerations. Hence the partners were able to complete the CEF conformance tests only on March 10th, 2020. In particular:   * Infocert passed the connectivity test on 11/06/2019 and resulted conformant in sending and receiving EN eInvoices on 11/02/2020; * Unioncamere passed the connectivity test on 3/12/2019 and resulted conformant in sending EN eInvoices tests on 29/01/2020; * Intercent-ER passed the connectivity test on 9/03/2020 and resulted conformant in receiving EN eInvoices on 10/3/2020. Unfortunately, the Oxalis AS4 implementation still had issues and did not allowed to pass the ‘sender’ conformance test. However, Intercent-ER, on the same day, proved to be conformant in sending EN eInvoice via web interface.   Infocert proved to be conformant both in sending and receiving conformant eInvoices, as it is expected for a service that can be used by SMEs and PAs in the B2G context.  Unioncamere proved to be conformant in sending eInvoices, as it is expected for a service available to the SMEs in the B2G context.  Intercent-ER operates as “corner 3” for SdI, hence its main task is to prove the capability of SdI to receive EN compliant eInvoices through eDelivery channel. The completion of the CEF conformance test required to Intercent-ER to modify the Oxalis implementation with respect to the one that have been used during the Validation Phase (Activity 5) concluded on January 2020. So, also this change in implementation must be taken into consideration.  Having all partners passed the CEF conformance tests successfully, the goal of the project can be considered achieved.  The dissemination activities started in 2019 and, as planned, were completed by December 2019, aligned with the Milestone 9 expected date.  In particular, Unioncamere provided 15 meetings with SMEs, organised in 15 different chambers of commerce across the nation. AgID also organized, on December 2019, two national workshops for the introduction of the European eInvoice, in collaboration with CEF. All the partners were involved in the dissemination activities. UNINFO released the White Paper on EN eInvoice, to be published on the AgID’s official website. The paper has been translated in English language during the first months of 2020, so to complete the documentation that will be published online. | |

|  |
| --- |
| **2.4. Conclusions on results of the Action, including the impact of the possible deviation on 1) the objectives of the action, 2) the completion of the planned activities and 3) the cost-breakdown** |
| The following is a summary of the issues that arose during the course of the action and which have been discussed above:   1. Agenzia delle Entrate notified AGID about the impossibility of implementing the AP AS4 as initially provided by the Grant Agreement; 2. A necessity to consolidate the implementation of AP AS4 eSENS profile, whose mandatory adoption had been scheduled by OpenPEPPOL in February 2020 and therefore had not yet been fully adopted by the European EOs and PAs in production environments 3. a delay in the Oxalis connectivity test, due to bugs in the Oxalis development teams (on which INEA had of course been kept informed), which had been slowing down implementation of the APs by Unioncamere and Intercent-ER; 4. more time was needed to effectively carry out the dissemination activity, considering that, according to the Italian transposition of EU Directive 55/2014, the European electronic invoice obligation came into force from April 18, 2019 only for central public administrations, whilst the generalized obligation for about 20,000 public bodies will come into force starting from April 18, 2020; 5. technical discussions about code lists and syntax binding which were still ongoing at EU level (e.g. corrigenda of CEN TS 16931-3-2, CEN TS 16931-3-3, release of CEN schematron, CIUS registry, …)   As regards 1), Agenzia delle Entrate (AdE), as result of the analysis performed with the other project partners, resolved that the interventions needed to make the transport procedures equivalent to those already available through the Italian national infrastructure for electronic invoicing (namely, Sistema di Interscambio - SDI) were not compatible with the planned resources and the expected timing, also because of AdE’s need to support the increasing number of eInvoices expected with the introduction of mandatory B2B eInvoices starting January 2019.  Hence, it was necessary to adopt a different model in order to support the interconnection between the PEPPOL infrastructure and SDI regardless of AdE’s decision. It was decided to use another beneficiary’s AP which had to become a registered transmission channel with the SDI itself, and therefore act as an intermediary. For such reasons, an extension of the analysis activity was necessary in order to define an alternative process that would anyway allow the transmission of the European invoice to the Italian public administrations through the PEPPOL network.  This solution had a sizable impact, initially not foreseen by the original project proposal especially in reference to the on-boarding process of public administrations, as it entailed the implementation of a service whereby each public administration would be able to activate of its own PEPPOL channel on a voluntary basis. In order to do that, the public administration would have to sign an agreement with a PEPPOL-SDI intermediary. The PEPPOL channel would then be activated by registering the public administration’s electronic billing offices on the national SMP.  By its very nature, the SMP lacks a (non-administrative) user interface that allows end-users to autonomously register on it, which would facilitate the public administration during the on-boarding procedure, selecting their PEPPOL AP service provider. To overcome this issue, it was decided to implement an integration with IPA (Indice delle Pubbliche Amministrazioni), which already acts a public register of the billing offices of the public administrations and is currently being maintained by AGID. Such a design choice was considered to be able minimize the organizational impact of the on-boarding procedure.  The evolution of the national SMP and its integration with IPA, in order to support the onboarding process of the Italian public administrations onto the PEPPOL network, involved additional analysis, design, development, and testing, which were not envisaged in the Grant Agreement. The change in architecture also demanded to test and validate the Invoice Message Response profile, which was central in the implementation of the above.  Furthermore, the implementation and testing activities related to the AS4 AP (whose mandatory adoption has been scheduled by OpenPEPPOL in February 2020) needed to be extended. As stated in 3), the not yet mature adoption of AS4 was proven by the issues given by the Oxalis AS4 solution, that could not pass the connectivity test with the Core Platform. The problem was later solved only on March 2020.  For such reasons, acting on the behalf of all the partners, AGID requested to extend the project at least until December 31, 2019. AGID also requested to distribute the part of the budget not reserved by Agenzia delle Entrate among the other Beneficiaries for the purpose of implementing the alternative process described above.  Such an extension would have also allowed more effective dissemination activities, in as much as most Italian public administrations will be involved in the European eInvoicing adoption starting from April 18, 2020.  As part of the amendment, and so as not to encumber the analysis and development activities to be carried out by IntercentER, it was required that, the update of the ERP solution of the Health trusts and Hospital of Emilia-Romagna Region (GAAC – Gestione Area Amministrativa Contabile) would not be executed as the start-up process was not currently completed and a timeline had not been defined yet. The greatest part of project activities had however been delivered in due time according to project workplan. Only partners involved in missing tasks will be affected by this amendment  The final goal of the Action was successfully achieved. More specifically:   * an analysis of the gap between the European EN16931-1 and the updated national format (FatturaPA) has been completed and the corresponding CIUS finalised; the national format has a few additional fields in order to manage information which are only relevant in the domestic case while in the crossborder case there is no gap whatsoever between the EN16931-1 and FatturaPA; * even though it cannot address all the specific national syntax which has been furtherly evolved by Agenzia delle Entrate; more work will be done within the EU and Italian technical committees relevant to eInvoicing * the interoperability of the EN16931-1 format, both in UBL and CII syntaxes, with the national format, which is a prerequisite for any forthcoming migration plan; such interoperability is guaranteed by the translator developed by InfoCert and made available under the terms of the EUPL software license; * the integration between the SDI-based eInvoicing architecture and the PEPPOL network has been completed thanks to the AP and SMP nodes deployed by IntercentER and fully integrated with the Italian register of public administrations (IPA), the AP itself acting as abridge towards the SDI infrastructure; the service is offered free of charge to all Italian public bodies * eInvoicing services for SMEs and companies have been developed and made available free of charge by UnionCamere; * eInvoicing services “LegalInvoice”, for PAs and SMEs, have been developed and made available by Infocert; * the resulting “hybrid” architecture will pave the way for more decentralised eInvoicing architectures, such the one which is being developed by the SCALES project (action no. 2018-IT-IA-0053)   **Activities Completion and Costs Breakdown**  The completion of each activity in the project was evaluated considering both the achievement of the milestones related to the activity and the effort spent by the partners.  In particular:   * Milestone 1 was achieved on 30/06/2018, having completed the initial document stating the project plan, with roles and responsabilities; * Milestone 2 was achieved on 31/05/2019, having completed the technical specifications for Italian CIUS, FatturaPA updated version and message response guidance, allowing the publication of the national CIUS by Agenzia delle Entrate, as mandated by the Italian transposition of Directive 2014/55/EU. * Milestone 3 was achieved on 30/09/2019, having completed the “systems upgrade and eDelivery” gap analysis; * Milestone 4 was achieved on 30/10/2019, having validated the project’s architecture design; * Milestone 5 was achieved on 31/11/2019, having completed the software implementation needed for technical testing and use cases; * Milestone 6 was achieved on 8/01/2020, having successfully executed test activities, resulting in eInvoicing platforms and eDelivery channel solutions ready for the production; * Milestone 7 was achieved on 9/03/2020, having all the Access Point (AS4), deployed within the action, passed the connectivity test provided by the eDelivery Core Service Platform and Service Metadata Publisher are up and running and having the SMP up and running. * Milestone 8 was achieved on 10/03/2020, with the Validation of e-invoices by Core Service Platform (via eDelivery); * Milestone 9 was achieved on 31/12/2019, having completed all the dissemination activities; * Milestone 10 was achieved on 31/12/2019, with the completion of the Guidance Paper on EN compliant e-invoice adoption in Italy; * Milestone 11 was achieved on 24/03/2020, with the completion of validation activities and reaching the project’s end.   All project activities, with the exception of the testing activities, were completed within the time frame provided in the Grant Agreement and in the Amendment. The validation has been carried on in the first months of 2020, financed with partners resources, ending on March 10th, 2020, with the completion of the Conformance tests with the Core Platform provided by the European Commission.  The cost-breakdown of the project activities is provided below:   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | **Personnel Costs** | **Other costs** | **Subcontracting Costs** | **Total Costs** | | **Activity 1** | 125.280,97 € | 8.279,46 € | 16.637,50 € | 150.197,93 € | | **AGID** | 33.901,29 € | 8.279,46 € | 0,00 € | 42.180,75 € | | **InfoCert** | 45.846,49 € | 0,00 € | 0,00 € | 45.846,49 € | | **UNIONCAMERE** | 16.674,06 € | 0,00 € | 0,00 € | 16.674,06 € | | **INTERCENT-ER** | 7.998,24 € | 0,00 € | 16.637,50 € | 24.635,74 € | | **UNINFO** | 7.848,49 € | 0,00 € | 0,00 € | 7.848,49 € | | **AdE** | 13.012,40 € | 0,00 € | 0,00 € | 13.012,40 € | | **Activity 2** | 156.458,86 € | 0,00 € | 174.677,94 € | 331.136,80 € | | **AGID** | 21.028,20 € | 0,00 € | 0,00 € | 21.028,20 € | | **InfoCert** | 70.679,57 € | 0,00 € | 0,00 € | 70.679,57 € | | **UNIONCAMERE** | 10.483,91 € | 0,00 € | 0,00 € | 10.483,91 € | | **INTERCENT-ER** | 25.999,39 € | 0,00 € | 51.935,19 € | 77.934,58 € | | **UNINFO** | 13.749,49 € | 0,00 € | 0,00 € | 13.749,49 € | | **AdE** | 14.518,30 € | 0,00 € | 122.742,75 € | 137.261,05 € | | **Activity 3** | 102.443,56 € | 0,00 € | 97.945,22 € | 200.388,78 € | | **AGID** | 14.173,14 € | 0,00 € | 0,00 € | 14.173,14 € | | **InfoCert** | 54.569,05 € | 0,00 € | 29.000,00 € | 83.569,05 € | | **UNIONCAMERE** | 4.798,64 € | 0,00 € | 0,00 € | 4.798,64 € | | **INTERCENT-ER** | 13.999,70 € | 0,00 € | 68.945,22 € | 82.944,92 € | | **UNINFO** | 7.853,25 € | 0,00 € | 0,00 € | 7.853,25 € | | **AdE** | 7.049,78 € | 0,00 € | 0,00 € | 7.049,78 € | | **Activity 4** | 135.508,96 € | 0,00 € | 344.208,63 € | 479.717,59 € | | **AGID** | 27.945,15 € | 0,00 € | 0,00 € | 27.945,15 € | | **InfoCert** | 64.980,55 € | 0,00 € | 152.230,00 € | 217.210,55 € | | **UNIONCAMERE** | 27.689,47 € | 0,00 € | 56.000,00 € | 83.689,47 € | | **INTERCENT-ER** | 0,00 € | 0,00 € | 135.978,63 € | 135.978,63 € | | **UNINFO** | 7.883,09 € | 0,00 € | 0,00 € | 7.883,09 € | | **AdE** | 7.010,70 € | 0,00 € | 0,00 € | 7.010,70 € | | **Activity 5** | 92.462,75 € | 0,00 € | 67.498,94 € | 159.961,69 € | | **AGID** | 8.486,85 € | 0,00 € | 0,00 € | 8.486,85 € | | **InfoCert** | 49.114,10 € | 0,00 € | 0,00 € | 49.114,10 € | | **UNIONCAMERE** | 10.348,20 € | 0,00 € | 19.581,40 € | 29.929,60 € | | **INTERCENT-ER** | 14.994,74 € | 0,00 € | 47.917,54 € | 62.912,28 € | | **UNINFO** | 3.952,91 € | 0,00 € | 0,00 € | 3.952,91 € | | **AdE** | 5.565,95 | 0,00 € | 0,00 € | 5.565,95 € | | **Activity 6** | 100.368,79 € | 0,00 € | 60.722,19 € | 161.090,98 € | | **AGID** | 18.041,87 € | 0,00 € | 0,00 € | 18.041,87 € | | **InfoCert** | 4.376,45 € | 0,00 € | 0,00 € | 4.376,45 € | | **UNIONCAMERE** | 31.403,07 € | 0,00 € | 40.776,16 € | 72.179,23 € | | **INTERCENT-ER** | 3.173,65 € | 0,00 € | 19.946,03 € | 23.119,68 € | | **UNINFO** | 39.241,68 € | 0,00 € | 0,00 € | 39.241,68 € | | **AdE** | 4.132,07 € | 0,00 € | 0,00 € | 4.132,07 € | | **Total** | 712.523,89 € | 8.279,46 € | 761.690,42 € | 1.482.493,77 € | | **AGID** | 123.576,50 € | 8.279,46 € | 0,00 € | 131.855,96 € | | **InfoCert** | 289.566,21 € | 0,00 € | 181.230,00 € | 470.796,21 € | | **UNIONCAMERE** | 101.397,35 € | 0,00 € | 116.357,56 € | 217.754,91 € | | **INTERCENT-ER** | 66.165,72 € | 0,00 € | 341.360,11 € | 407.525,83 € | | **UNINFO** | 80.528,91 € | 0,00 € | 0,00 € | 80.528,91 € | | **AdE** | 51.289,20 € | 0,00 € | 122.742,75 € | 174.031,95 € |   **Overall effort**  At the end of the project, the total effort incurred into by the partners for personnel, subcontracting and other costs, including indirect costs, is 1.532.95,00, about the 98% of the total budget available.  Figure 3 - Overall spent vs residual budget  The longer duration has mainly affected Activity 2 (Analysis), due to the change in scope as described above.  Figure 4 - Detailed spent vs residual budget |

|  |
| --- |
| **3. VISIBILITY OF UNION FUNDING** |

|  |
| --- |
| **What measures have been taken to publicize the Action, including EU funding (GA II.7.1)?** |
| The action and its results have been promoted through web publications and also by a series of events at the national level.  The following events have been organized:   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **Date** | **Place** | **Event** | **Title** | **Partners** | **Person** | **Available material** | |  |  |  |  |  |  |  | | **1 April 2019** | <https://infocert.digital/wp-content/uploads/sites/9/2019/05/EU_eInvocing_whitepaper.pdf> | White Paper Published | European eInvoicing - a semantic meta language | InfoCert | Luigi Fabbro/ Sara Facchinetti |  | | **15 May 2019** | <https://futurodigitale.infocert.it/agenda-digitale/nuovo-standard-per-la-fatturazione-elettronica-europea/> | Article | Nuovo standard per la fatturazione elettronica europea | InfoCert | Gaetano Incremona/Sara Facchinetti |  | | **15 May 2019** | <https://www.linkedin.com/posts/infocert_nuovo-standard-per-la-fatturazione-elettronica-activity-6534471031929876480-O3ll> | Post Linkedin | #FuturoDigitale #FatturazioneElettronica Nuovo standard per la fatturazione elettronica europea. Leggi di più http://bit.ly/30lQBav | InfoCert | Claudio Tommasino |  | | **15 May 2019** | <https://twitter.com/InfoCert_it/status/1128705381482598400?ref_src=twsrc%5Etfw> | Post Twitter | #FuturoDigitale #FatturazioneElettronica Nuovo standard per la fatturazione elettronica europea. Leggi di più http://bit.ly/30lQBav | InfoCert | Claudio Tommasino |  | | **16 May 2019** | <https://www.facebook.com/InfoCertSpA/posts/2310788262510321> | Post Facebook | #FuturoDigitale #FatturazioneElettronica Nuovo standard per la fatturazione elettronica europea. Leggi di più http://bit.ly/30lQBav | InfoCert | Claudio Tommasino |  | | **27 November 2019** | Bari | Workshop 1 - https://www.uninfo.it/index\_pages/news/focus/1576837806331.html https://www.odcecbari.it/node/766 | Nuovi servizi per gli studi professionali e le PMI con l'avvio della fatturazione elettronica europea (New services for professional firms and SMEs with the launch of European e-invoicing) | UNINFO | Caccia-Tumietto | 27 November 2019 | | **6 December 2019** | Novara | Workshop 2 - https://www.agid.gov.it/it/agenzia/stampa-e-comunicazione/notizie/2019/12/03/progetto-eeisi-dicembre-nuovo-calendario-dincontri-rivolti-pa-imprese https://www.commercialistinovara.it/index.php?option=com\_content&view=article&id=1083:newsletter-n-170-del-27-novembre-2019-convegno-06-12-2019-nellambito-del-progetto-eeisi-european-einvoicing-standard-in-italy&catid=58:newsletter-2019&Itemid=43 <https://www.uninfo.it/index_pages/news/focus/1576837806331.html> | Nuovi servizi per gli studi professionali e le PMI con l'avvio della fatturazione elettronica europea (New services for professional firms and SMEs with the launch of European e-invoicing) | UNINFO | Caccia-Tumietto | 6 December 2019 | | **11 December 2019** | Roma | Workshop 3 https://www.agid.gov.it/it/agenzia/stampa-e-comunicazione/notizie/2019/12/03/progetto-eeisi-dicembre-nuovo-calendario-dincontri-rivolti-pa-imprese <https://www.uninfo.it/index_pages/news/focus/1576837806331.html> | Nuovi servizi per gli studi professionali e le PMI con l'avvio della fatturazione elettronica europea (New services for professional firms and SMEs with the launch of European e-invoicing) | UNINFO | Caccia-Tumietto | 11 December 2019 | | **16 December 2019** | Milano | Workshop 4 https://www.agid.gov.it/it/agenzia/stampa-e-comunicazione/notizie/2019/12/03/progetto-eeisi-dicembre-nuovo-calendario-dincontri-rivolti-pa-imprese <https://www.uninfo.it/index_pages/news/focus/1576837806331.html> | Nuovi servizi per gli studi professionali e le PMI con l'avvio della fatturazione elettronica europea (New services for professional firms and SMEs with the launch of European e-invoicing) | UNINFO | Caccia-Tumietto | 16 December 2019 | | **9 December 2019** | Milano | Workshop 5 https://anorc.eu/attivita/implementazione-della-fe-anorc-partecipa-alle-iniziative-della-commissione-europea/ | “Implementation Workshop” | AgID | Caccia-Tumietto | 9 December 2019 | | **11 December 2019** | Roma | Workshop 6 <https://anorc.eu/attivita/implementazione-della-fe-anorc-partecipa-alle-iniziative-della-commissione-europea> | “Implementation Workshop” | AgiD | Caccia-Tumietto | 11 December 2019 | | **17 January 2019** | online | Italian Mirror Committee meeting | UNI/CT 522 "UNINFO eBusiness e servizi finanziari" | UNINFO | Sirocchi-Caccia-Tumietto | 17 January 2019 | | **20 February 2019** | online | Italian Mirror Committee meeting | UNI/CT 522 "UNINFO eBusiness e servizi finanziari" | UNINFO | Sirocchi-Caccia-Tumietto | 20 February 2019 | | **19 March 2019** | online | Italian Mirror Committee meeting | UNI/CT 522 "UNINFO eBusiness e servizi finanziari" | UNINFO | Sirocchi-Caccia-Tumietto | 19 March 2019 | | **11 April 2019** | online | Italian Mirror Committee meeting | UNI/CT 522 "UNINFO eBusiness e servizi finanziari" | UNINFO | Sirocchi-Caccia-Tumietto | 11 April 2019 | | **10 June 2019** | online | Italian Mirror Committee meeting | UNI/CT 522 "UNINFO eBusiness e servizi finanziari" | UNINFO | Sirocchi-Caccia-Tumietto | 10 June 2019 | | **8 July 2019** | online | Italian Mirror Committee meeting | UNI/CT 522 "UNINFO eBusiness e servizi finanziari" | UNINFO | Sirocchi-Caccia-Tumietto | 8 July 2019 | | **16 September 2019** | online | Italian Mirror Committee meeting | UNI/CT 522 "UNINFO eBusiness e servizi finanziari" | UNINFO | Sirocchi-Caccia-Tumietto | 16 September 2019 | | **21 October 2019** | online | Italian Mirror Committee meeting | UNI/CT 522 "UNINFO eBusiness e servizi finanziari" | UNINFO | Sirocchi-Caccia-Tumietto | 21 October 2019 | | **25 November 2019** | online | Italian Mirror Committee meeting | UNI/CT 522 "UNINFO eBusiness e servizi finanziari" | UNINFO | Sirocchi-Caccia-Tumietto | 25 November 2019 | | **1 July 2019** | online | <https://www.agendadigitale.eu/documenti/fatturazione-elettronica/fatturazione-elettronica-tra-privati-quale-futuro-ci-attende/> | Fatturazione elettronica obbligatoria dal 2019: cos’è, come funziona, come fare, esoneri e normativa (tra privati, PA e B2B) | UNINFO | Tumietto | online from 1 July 2019 | | **1 October 2019** | online | https://www.agendadigitale.eu/documenti/evasione-fiscale-ecco-tutte-le-mosse-del-governo-per-combatterla/ | Evasione fiscale, ecco tutte le mosse del Governo per combatterla – Aggiornamento Nadef 2019 | UNINFO | Tumietto | online from 1 October 2019 | | **20 June 2019** | REGGIO EMILIA | Please read the attached file "dissemination.zip". It contains 16 folders entitled with the name of the city where the dissemination event took place, each of the folders contains (in Italian): - the final report on the event, - pictures taken in place, - poster of the event and text of the invitation e-mail, - any press releases and other material extracted from the web and/or social media. | Electronic invoicing in Europe: the EeISI project and services available for SMEs | Chamber of commerce / Unioncamere | M. Altavilla |  | | **3 July 2019** | PRATO |  | Electronic invoicing in Europe: the EeISI project and services available for SMEs | Chamber of commerce / Unioncamere | M. Altavilla |  | | **4 July 2019** | LUCCA |  | Electronic invoicing in Europe: the EeISI project and services available for SMEs | Chamber of commerce / Unioncamere | M. Altavilla |  | | **23 July 2019** | BOLZANO |  | Electronic invoicing in Europe: the EeISI project and services available for SMEs | Chamber of commerce / Unioncamere | M. Altavilla |  | | **24 July 2019** | VERONA |  | Electronic invoicing in Europe: the EeISI project and services available for SMEs | Chamber of commerce / Unioncamere | M. Altavilla |  | | **2 October 2019** | ORISTANO |  | Electronic invoicing in Europe: the EeISI project and services available for SMEs | Chamber of commerce / Unioncamere | M. Altavilla |  | | **8 October 2019** | BARI |  | Electronic invoicing in Europe: the EeISI project and services available for SMEs | Chamber of commerce / Unioncamere | M. Altavilla |  | | **17 October 2019** | PADOVA |  | Electronic invoicing in Europe: the EeISI project and services available for SMEs | Chamber of commerce / Unioncamere | M. Altavilla |  | | **22 October 2019** | FORLI' |  | Electronic invoicing in Europe: the EeISI project and services available for SMEs | Chamber of commerce / Unioncamere | M. Altavilla |  | | **22 October 2019** | RIMINI |  | Electronic invoicing in Europe: the EeISI project and services available for SMEs | Chamber of commerce / Unioncamere | M. Altavilla |  | | **23 October 2019** | TREVISO |  | Electronic invoicing in Europe: the EeISI project and services available for SMEs | Chamber of commerce / Unioncamere | M. Altavilla |  | | **29 October 2019** | LECCE |  | Electronic invoicing in Europe: the EeISI project and services available for SMEs | Chamber of commerce / Unioncamere | M. Altavilla |  | | **5 November 2019** | COSENZA |  | Electronic invoicing in Europe: the EeISI project and services available for SMEs | Chamber of commerce / Unioncamere | M. Altavilla |  | | **12 November 2019** | CAMPOBASSO |  | Electronic invoicing in Europe: the EeISI project and services available for SMEs | Chamber of commerce / Unioncamere | M. Altavilla |  | | **19 November 2019** | RIETI |  | Electronic invoicing in Europe: the EeISI project and services available for SMEs | Chamber of commerce / Unioncamere | M. Altavilla |  | | **28 November 2019** | VITERBO |  | Electronic invoicing in Europe: the EeISI project and services available for SMEs | Chamber of commerce / Unioncamere | M. Altavilla |  | | **11 December 2019** | PALMANOVA (UD) |  | Electronic invoicing in Europe: the EeISI project and services available for SMEs | Chamber of commerce / Unioncamere | M. Altavilla |  |   The Action web presence (news, mailing lists, web pages) is verifiable at the following resource locators:   |  |  |  | | --- | --- | --- | | **Partner** | **Type** | **Link** | | **AGID** | Project Description | https://www.agid.gov.it/en/platforms/electronic-invoicing/cef-eeisi-project | | **AGID** | Project Description | https://www.agid.gov.it/it/piattaforme/fatturazione-elettronica/progetto-cef-eeisi | | **INTERCENT- ER** | Newsletter | http://intercenter.regione.emilia-romagna.it/progetti/progetti-regionali-nazionali-ed-europei-1 | | **INTERCENT- ER** | Project summary | <http://intercenter.regione.emilia-romagna.it/progetti/progetti-regionali-nazionali-ed-europei-1> | | **INTERCENT- ER** | Project description | <http://intercenter.regione.emilia-romagna.it/progetti/progetti-regionali-nazionali-ed-europei-1/progetti-europei/eeisi/eelsi-european-einvoicing-standard-in-italy> | | **INTERCENT- ER** | Leaflets | <http://intercenter.regione.emilia-romagna.it/progetti/progetti-regionali-nazionali-ed-europei-1/progetti-europei/eeisi/leaflet-eelsi.pdf/@@download/file/Leaflet%20EelSI.pdf> | | **INTERCENT- ER** | News | <http://intercenter.regione.emilia-romagna.it/notizie/2019/dicembre/si-conclude-il-progetto-eelsi> | | **InfoCert** | White Paper | <https://infocert.digital/wp-content/uploads/sites/9/2019/05/EU_eInvocing_whitepaper.pdf> | | **InfoCert** | Article | <https://futurodigitale.infocert.it/agenda-digitale/nuovo-standard-per-la-fatturazione-elettronica-europea/> | | **InfoCert** | LinkedIn Post | <https://www.linkedin.com/posts/infocert_nuovo-standard-per-la-fatturazione-elettronica-activity-6534471031929876480-O3ll> | | **InfoCert** | Twitter Post | <https://twitter.com/InfoCert_it/status/1128705381482598400?ref_src=twsrc%5Etfw> | | **InfoCert** | Facebook Post | <https://www.facebook.com/InfoCertSpA/posts/2310788262510321> | | **UNINFO** | News | https://anorc.eu/attivita/implementazione-della-fe-anorc-partecipa-alle-iniziative-della-commissione-europea | | **UNINFO** | Article | <https://www.agendadigitale.eu/documenti/fatturazione-elettronica/fatturazione-elettronica-tra-privati-quale-futuro-ci-attende/> | | **UNINFO** | Article | https://www.agendadigitale.eu/documenti/evasione-fiscale-ecco-tutte-le-mosse-del-governo-per-combatterla/ | | **UNINFO** | Article | https://anorc.eu/attivita/implementazione-della-fe-anorc-partecipa-alle-iniziative-della-commissione-europea/ |   Following are some further details concerning specific beneficiaries.  **Intercent-ER**  In relation to the communication and dissemination activities envisaged by the Intercent-ER Agency, various actions have been planned and implemented, which mainly involve the Agency's institutional website at <https://intercenter.regione.emilia-romagna.it/>. In particular, the activities put in place concern the creation and putting online of a specific information section dedicated to the EeISI project, as well as the publication of a news item on the home page relating to the development of the project and the results achieved. Furthermore, the same information have been conveyed through the "Intercent-ER Magazine" newsletter of the month of December, which counts over a thousand subscribers, including Public Administrations of the territory and economic operators. Finally, a digital brochure was prepared and published containing detailed descriptive information on the EeISI project and its scope in the context of the Emilia-Romagna region. In addition, Intercenter-ER has published a specific page on EeISI on their website.  In relation to the communication and dissemination activities envisaged by Intercent-ER, the following actions have been activated and completed:   * publication on the institutional website of Intercent-ER of an information section with a detailed description of the EeISi project; * publication on the institutional website of Intercent-ER of a news on the results achieved in the context of EeISI and on the closure of the project; * insertion of news on EeISI on the monthly Intercent-ER Magazine newsletter; * creation of a digital brochure, to be published on the institutional website of Intercent-ER, containing descriptive information on the EeISI project and its application in the context of the Emilia-Romagna region.   **Unioncamere**  The Chambers of Commerce, Industry, Agriculture and Handcrafts are the most effective point of contact between Italian institutions and companies, especially small and medium-sized ones; all the companies established in the national territory are registered in the Business Register (kept by the Chamber of Commerce).  The Chambers of Commerce, as a public entity, have been assisting Italian companies since 2017 with a free, electronic invoicing service that meets all the obligations in force in Italy, the digital platform is designed for simple use (directly) by the entrepreneur.  For the above reasons, the EeISI project has expressly provided that the dissemination action aimed at small and medium-sized enterprises should take place (at least) in 15 Chambers of Commerce distributed throughout the national territory.  The design of the interventions has concerned first of all the contents to be illustrated, starting specifically from the practical interest and usefulness for entrepreneurs. For Italian companies, which are already used to electronic invoicing, it has was deemed appropriate to explain the differences between domestic and EU electronic invoice and to define the reference scenario, all focused on the supply of goods and services to public administrations. All the dissemination events have been completed with a practical demonstration of the electronic invoicing platform made available free of charge by the Chambers of Commerce to entrepreneurs.  Since April 2019, this digital platform allows to the entrepreneur to fill out an invoice like in use for domestic duties and to send that to a public administration of the EU in the format required by the European standard. The delivery can be done through the PEPPOL network if the recipient public administration joins this network.  To select the Chambers of Commerce to involve in organizing and implementation of the dissemination events, Unioncamere sent a call of interest to all Chambers of Commerce with the EeISI project's explanation and the invitation to apply. The list of eligible Chambers of Commerce has been established according to the "who comes first is served first" principle, under the condition to realize a homogeneous diffusion of the events throughout the national territory. Finally, the following were selected: five Chamber of commerce in the southern regions, 4 Chambers of commerce in the central regions and 6 in northern Italy.  Guidelines for organizing events according to a program defined by Unioncamere were provided to the 16 selected chambers of commerce, moreover direct assistance was provided at all stages of the organization, including the participation of a Unioncamere speaker (Dr Mario Altavilla) to present the EeISI project on the day of the event. At the end of the EeISI project, a contribution equal to 80% of the expenses incurred was paid to the 16 Chambers of Commerce that carried out the events; a maximum limit of € 4,000.00 was set for the contribution.  The 16 meetings held at the Chambers of Commerce took place between June 20 and December 11, the informative impact on small and medium-sized enterprises was significant; an average of 50 entrepreneurs attended each of the events, with a maximum of almost 100 entrepreneurs present in Treviso, at the Treviso-Belluno Chamber of Commerce, on 23 October. The information coverage created with the dissemination events has been however much more extensive, in fact all the Chambers of Commerce have:   * carried out an information campaign on the event, by posting news on own institutional website, publishing the poster and sending a specific communication via e-mail to a selection of over 143,000 companies, * operated through social media and the local press, * informed the representative associations of entrepreneurs operating in the area.   The entrepreneurs that participated in the meetings showed some disorientation with the differences between national and European scenario: widespread obligation vs. voluntary use by companies; different protocol and electronic format between the invoices they issue in Italy and those they will issue to the EU.  In any case, they have shown satisfaction and interest in the free public service that the Chambers of Commerce offer them thanks to the outputs developed by the project, and they have appreciated that much of the complexity has been “taken away” in a practical way by digital technology. |

|  |
| --- |
| **4. OTHER SOURCES OF EUROPEAN UNION FUNDS** |

|  |
| --- |
| **If applicable, provide information about other sources of EU funds (CEF, ERDF, Cohesion Fund, H2020, TEN, EEPR, EIPA, etc.) used for the action (including previous or subsequent phases not covered by the Grant Agreement).** |
| AgID internal costs are partially funded with ESI funds. AgID is the coordinator of the Italia Login project, a large scale national initiative for implementing the strategic priorities aimed at the digital transformation and innovation in the Public Administration. The project is part of the National Operational Programme on Governance and Institutional Capacity (“PON Governance Capacità Istituzionale 2014-2020”), which is a 2014-2020 cohesion policy tool funded by the European Union under the European Structural and Investment Funds.  Since the beginning of the Action Italia Login provided part of the staff involved in the technical coordination to the EeISI project. The strict relation between Italia Login and the CEF projects coordinated by AgID is aimed at ensuring the coherence of all the national initiatives aimed to the digital transformation of public procurement and electronic invoicing. |

|  |
| --- |
| **5. COMPLIANCE WITH EU LEGISLATION** |

|  |
| --- |
| **Where relevant, provide information on the compliance with EU legislation regarding other matters (notably public procurement, competition, regulatory matters, etc…).** |
| The Public Bodies listed below subcontracted part of their activities, as declared on the related financial statements; the legislative framework of reference is the Italian law for public contracts (Legislative Decree n. 50, 18 April 2016), implementing Directive 2014/24/EU on public procurement . It is relevant to notice that:   * **AdE** is a national public Agency, so the selection procedure for subcontractors is subject to Italian law for public contract assignment. * **Intercent-ER** is a regional public Agency, so the selection procedure for subcontractors is subject to Italian and regional directive/law for public contract assignment. * **Unioncamere** is the public body representing the Chamber of Commerce, so the selection procedure for subcontractors is subject to Italian and regional directive/law for public contract assignment. Infocamere, as affiliated entity of Unioncamere, supported Unioncamere in the technical activities. |

|  |
| --- |
| **6. COMPLIANCE WITH CORE PLATFORM AND POLICY OBJECTIVES** |

|  |
| --- |
| **Information on the compliance with the core service, including conformity with relevant technical specifications and alignment with the policy objectives of the Digital Service Infrastructure (as specified in the relevant CEF Telecom Work Programme).** |
| The Action is focused on bridging the gap between the Italian national einvoicing format and the EU format, hence the core itself of the Action is interoperability. The CEF eInvoicing and eDelivery building blocks were involved.  Due to technicalities of the Italian national format, in the aftermath of the Action it was discussed among national stakeholders whether the CIUS was enough to completely close the gap between national and EU formats; additional work, not within the scope of the Action, is being done in the national technical committee CT 522 to explore the option of using an extension instead.  As far as technical specifications and policy objectives are concerned, the Action has a twofold impact:   * ensuring compliance of the national e-Invoicing infrastructure and related processes with Directive 2014/55/EU on eInvoicing in public procurement, specifically as regards the support at a national level for the European standard EN16931-1 "Electronic invoicing – Part 1: Semantic data model of the core elements of an electronic invoice”, which defines the semantic data model of the European e-Invoice * allowing the use of the PEPPOL network in full interoperability with the national eInvocing exchange system (SDI).   Thanks to the Access Point implemented by Intercent-ER, the national eInvoicing architecture, while still based on the SDI, is now able to support the handling of electronic invoices compliant with the EN16931-1 semantic data model, by using the PEPPOL BIS Billing 3.0 format based on UBL 2.1 syntax.  The two syntaxes selected by CEN, UBL 2.1 and UN/CEFACT CII are however supported by SDI on traditional channels, thanks to the integration with the evolved eInvoice Mapper Framework.  To foster interoperability, compliant eInvoices have also been exchanged also in a cross-border context, between an Italian public administration and a foreign economic operator.  Finally, the compliance with the Core Platform has been proven by performing sender and receiver conformance tests via the eDelivery channel implemented within the Action. It must be remarked that the SdI’s capability to receive EN einvoices via eDelivery has been proven using Intercent-ER’s Access Point AS4 as intermediary.  The Action is fully aligned to the policy objectives of the Digital Service Infrastructure as it is focused on the implementation of European standards, and use of the eDelivery network of Access Points, taking into account the need to ensure cross-border interoperability. The project activities allow national and regional contracting authorities (with their existing solutions that have been updated during the project) to exchange compliant eInvoices with economic operators across Europe, breaking down the barriers to cross-border trade and reducing the administrative burden while promoting growth. |

ANNEX: Financial statement

1. As specified in Art. 2.2 of the Grant Agreement. [↑](#footnote-ref-1)
2. The completion of the Action and of each activity/work package should be indicated as a percentage. [↑](#footnote-ref-2)
3. As specified in the Grant Agreement. [↑](#footnote-ref-3)