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## Scientific foundations training and entrepreneurship activities in the domain of ICT-enabled Governance



### [D7.4 Dissemination Report Y3]

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<b>Authors:</b>	Georgios Nikitas, PricewaterhouseCoopers Business Solutions SA
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## Partners

 UNIVERSITY OF THE AEGEAN	University of the Aegean (UAEGEAN)	Greece
 UNITED NATIONS UNIVERSITY	United Nations University Operating Unit on Policy- Driven Electronic Governance (UNU-EGOV)	Portugal
 DONAU UNIVERSITÄT KREMS	Universität für Weiterbildung Krems (Danube University Krems) - DUK	Austria
 Singular Logic	Singular Logic Cyprus Ltd. (SILO)	Cyprus
 NEGZ	National E-Government Kompetenzzentrum (NEGZ)	Germany
 theLisboncouncil think tank for the 21 <sup>st</sup> century	The Lisbon Council for Economic Competitiveness and Social Renewal asbl (Lisbon Council)	Belgium
 UNIVERSITY OF AGDER	UNIVERSITETET I AGDER / Agder University (UiA)	Norway
 pwc	PricewaterhouseCoopers Business Solutions SA - PwC	Greece

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## Executive Summary

The Government 3.0 project activity report and updated dissemination plan presented in this document serves as an overview and evaluation of the dissemination and user engagement activities that carried out during the project.

The activity report contains all the completed dissemination activities between November 2017 and October 2020, separated according to the dissemination method used (i.e., publications, events etc).

The updated dissemination report contains the strategy followed to meet the dissemination-related objectives set for the project, based on the project's progress and results, the reviewer's comments and suggestions, made during the project review, and keeping in mind the core dissemination objective, i.e. to make the project and its work widely-known with a view to optimal uptake of project results.

The areas addressed by this deliverable are the revision of the Government 3.0 communications policy and updates to the dissemination strategy. Thereafter, the Government 3.0 dissemination approach is outlined. Based on the plan in the Description of Work (DoW) and also on the results of the project review, this approach had an increased focus on citizen awareness and participation. Therefore, an updated categorisation of target groups and dissemination channels has been developed and is under refinement. The tools and activities to be employed for dissemination are outlined, as well as their management. Once again, cost-effective approaches to achieve maximum exposure of project results have been chosen and described. For each element of the project that may yield results suitable for dissemination, ownership of the results created is identified, and the link between the results and the different tools for dissemination are made.

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# 1. INTRODUCTION

## 1.1 Purpose and Scope of the Dissemination Plan

The purpose of this deliverable (D7.4 Dissemination Report) is to report on the communication and dissemination activities undertaken by the Government 3.0 consortium during the period M1-M36 and to update the initial dissemination strategy and plan according to the project's progress and goals. It includes the data of the previous report and has been enriched with the data of the third year of the project. The document also takes into account suggestions made during the internal project review.

This document will provide a frame of reference for the planning of all Government 3.0 activities related to:

- Dissemination and Communication
- Stakeholder engagement
- Network enlargement

## 1.2 Approach for Work Package and Relation to other Work Packages and Deliverables

This work package (WP7) set out the plan to raise awareness, share knowledge, attract potential researchers and practitioners, through various means, including the website, the use of the social media, the publications in journals, the Massive Open Online Course (MOOC) that was created by the Gov3.0 Consortium, the participation in conferences, workshops, and other relevant events, as well as the presentations in public sector organizations. Dissemination activities (WP7) ensured the exploitation of the project's results.

The public sector bodies and officials, NGOs and citizens were engaged in enabling the partners' networks. These networks had been enabled through the above-mentioned dissemination activities showcasing the results and the potential opportunities.

During the first 6 months of the project, the dissemination and the exploitation plan was implemented and the website (<https://www.gov30.eu>) and social media pages were developed. Until the end of the M18, the website was constantly updated. The project website, as well as three newsletters, were used for raising awareness and sharing the knowledge (e.g. results based on the project, conferences were the results of the projects would be presented). Moreover, Google Analytics were used on the project website in order to provide valuable insights concerning the dissemination strategy. Also, at the end of the M24, the Dissemination Yearly Reports were conducted and they were presented in the deliverables (D7.2: Dissemination Report Y1, D7.3: Dissemination Report Y2) pinpointing all the information regarding the dissemination activities (e.g. scientific papers conducted during the first and the second year of the project, conferences and workshops). The website was updated during M18, based on the Evaluation Report (WP9, T9.2). Moreover, during the third year of the project, the Massive Open Online Course that was created by the Gov3.0 ERASMUS+ Knowledge Alliance was disseminated through an invitation that was completed for this purpose. Social media activities and the project website contributed to this goal, too. The MOOC was presented at Samos Summit in 2019, and emails informing about this were sent to students at the participant universities. Except for the emails, a newsletter was established and sent through the Gov3.0 mailing list. As dissemination activities will be taking place until (and after) the end of the project (M36) and since the evaluation of the project results was led to a few updates, it was important for social media to be worthy of attention. The use of social media has increased success in dissemination activities. These last three years of the project along with the social media, the consortium has kept making the project and its work widely known based on the dissemination and the exploitation plan (participating in conferences, updating the website, etc.).

The dissemination plan was adopted by all partners, laying down the dissemination strategy, activities and material planned to support the dissemination of the Gov 3.0 project. The project outcomes of work packages (WP1, WP2, WP3, WP4, WP5) were related to dissemination (WP7) activities, as project website and social media were based on content and results coming from all Government 3.0 WPs.



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## 1.3 Dissemination Activities and Structure of the Deliverable

The planned dissemination activities included publications, conferences, presentations, internal meetings, presence of Gov3.0 on the web, social media presence, project workshops, and international conferences.

The planned dissemination tools included a website, Search Engine Optimisation (SEO), social media, the project leaflet, electronic newsletters, press releases and invitations.

The structure of the dissemination report includes:

- Strategy (actions, aims and audience)
- Activity report (activities)
- References

## 2. Dissemination Strategy

### 2.1 Context of Dissemination Actions

The dissemination of results followed the underlying activities:

- Participation in leading conferences
- Publication in well-established journals
- The big entrepreneurship competition was expected to achieve great participation considering the high number of students of the HEIs involved in Government 3.0. It was shown by the number of students that had been exchanged through short-term visits between the project partners and had participated in the conferences, such as in Samos Summit during 2018, 2019 and 2020 (before the end of the competition). During the competition, great student achievements were showcased, attracting all interested and innovative stakeholders. To illustrate this point, more than 80 people took part in the competition. 16 teams were qualified in the competition to submit their final business plans. These teams originated from four different countries (Armenia, Greece, Germany, and Portugal). Towards the submission of the business plans, each team was supported by Gov3.0 mentoring team which included high caliber experts from the Digital Governance and Entrepreneurship domain. The outcome of the second evaluation procedure resulted in six teams, as final nominees, to pitch their idea in ICEGOV 2020 workshop "On a scientific base for Digital Governance and Transformation" on 22 September 2020.

The first place won a team with the idea "Dynamic load monitoring and control of public transport through artificial intelligence". The aim of this idea is to use artificial intelligence (AI) in order to better monitor and control the public transportation. This will lead to the following outcomes: increase the efficiency of public transportation, improve customer satisfaction and reduce the environmental impact. The presentation of the winning ideas took place on 25 September 2020 during the International Conference on Theory and Practice of Electronic Governance 2020.

The above-mentioned activities ensured all researchers, in compliance with their contractual arrangements, that the results of their research were disseminated and exploited, e.g., communicated, transferred into other research settings or, if appropriate, commercialised (i.e., through start-ups competition on eGovernment entrepreneurship). Senior researchers, in particular, were expected to take a lead in ensuring that research was fruitful and that results were either exploited commercially or made accessible to the public whenever the opportunity arose.

### 2.2 Aims, Objectives and Intended Audience

#### 2.2.1 Government 3.0 Dissemination Strategic Aims

The Gov 3.0 consortium aimed at disseminating the results from the project through scientific publications, (conference) presentations, research and workshops with governments, (online) courses, social media and other channels, utilizing the experience of the consortium in disseminating project results.

Dissemination was concerned with making the project visible, raising awareness, understanding and promoting participation in the project. Dissemination activities intended to disseminate the project results and to raise awareness in the scientific and entrepreneurial communities. The tasks to be carried out were the following:

- Dissemination and Exploitation Strategy (M1-M36). The specific task aimed at raising awareness and sharing knowledge as well as attracting researchers and practitioners through the development of the project website (M6), the use of the social media, the distribution of dissemination material, the publications in journals, the participation in conferences, workshops and other relevant events, and the presentations in public sector organisations.
- Project Website, social media presence (M1-M36). This task contained the strategy to fulfil the dissemination-related objectives set for the remainder of the project including a yearly report.

Therefore, a dissemination strategy needed to address the following elements:

- the aim of dissemination → objectives
- the intended audience → target groups
- the dissemination channels → dissemination tools and resources
- when dissemination will take place → timing
- what will be disseminated → anticipated project results
- anticipated dissemination results → outcomes

The aforementioned elements formed the dissemination strategy and will be outlined subsequently.

## 2.2.2 Specific Dissemination Objectives

In order to achieve the strategic aims outlined in the previous paragraph, the Government 3.0 consortium set concrete and verifiable objectives related to the dissemination and communication activities. All of the planned activities were undertaken with a view to reaching dissemination targets (see Table 1).

**Table 1: Government 3.0 Objectives**

Objective	Description	Target
Website	Gov 3.0 will create the project website, which will form the ICT-enabled governance hub, and will utilize Web 2.0 channels to announce on a regular basis the projects' updates.	15000 Number of unique visitors of the website
Publications	Publications submitted in relevant journals and conferences.	60 publications in esteemed journals and conferences
Conferences	Number of conferences co-organised by the project. Conferences are the organizing events by the Gov3.0 Consortium and the joint activities.	8 conferences
Conferences Participants	Number of participants reached by workshops and conferences organised by the projects.	1500 participants
Presentations	Presentations at national and international conferences and events.	30 Presentations in total
Project workshops	Project workshops will be organized serving also as important dissemination activities Gov 3.0.	15 workshops organised by the project
Electronic Newsletters	Electronic Newsletters will be prepared on a yearly basis, reporting the results of the project.	12 electronic newsletters to be published
Press releases	Press releases are produced upon project initiation and throughout the project.	3 press releases to be issued
International conference	An international conference will be co-organized on annual basis and promoted by all partners, three conferences in total.	1 international conference per year

## 2.2.3 Dissemination Target Audience

Government 3.0 did not target a single community of users or a particular type of stakeholders, but rather disparate groups who could benefit from the project's results in different ways. Finally, the Government 3.0 consortium developed a more fine-grained categorisation and description of its user base. The dissemination strategy was updated accordingly after the finalisation of the above-mentioned task. The target audience included people/groups that were of value to the project and increased its impact by contributing to the dissemination of information within their individual communities and thus the consortium focused on a target audience that could benefit from the project.

This section provides a brief description of the entities which constituted the Government 3.0 target audience. These descriptions will serve as a common point of reference for other parts of the project. There was a relationship between them and different phases described in the next section, and the dissemination media or tools used to reach the target audiences.

### 2.2.3.1 Target Groups

The target groups that has benefited from the project outcomes are:

1. The consortium (including beneficiaries and associated partners)
2. Public sector organizations in:
  - a. EU
  - b. US
  - c. Other (Asia, Australia, Africa, Latin America)
3. Industry sector
4. International Organizations (e.g., European Commission, United Nations, OECD, World Bank, W3C, Standardisation organization)
5. Academic and Research Organizations:
  - a. Researchers: They were the main targeted end users of the Government 3.0 project. They included scientists and scientific researchers, educators, who have a direct (professional) interest in eGovernment. They may be part of a public organization, Non-Governmental Organization (NGO), academic institution, etc. Dissemination to this target group is highly important for developing a critical mass of potential for platform users.
  - b. Businesses: This group included stakeholders, who have, also, a direct (professional) interest in eGovernment.
6. Professionals: This group included stakeholders who might perform research on behalf of other organizations. This target group may include, journalists, CIOs, developers, computer specialists, etc.
7. Citizens and NGO's: This target group involved the public at large, who may have an indirect, amateur interest in eGovernment for informative purposes. They included citizen scientists, software developers, computer specialists, etc. They formed an important stakeholder group, which the Government 3.0 dissemination strategy increasingly focused on.
8. Students.

Enterprises took advantage in various ways of the collaboration with universities through this alliance. According to the 2011 EU Communication on the Modernisation Agenda for Higher Education<sup>1</sup>, Europe needs more researchers in order to prepare the ground for the industries of tomorrow. Based on this statement, enterprises benefited from the project in the following ways:

- By having a direct linkage and cooperation with universities which are known for their expertise in the field of Digital Government.
- By having access to new training material, which will be adapted to their specific needs, since custom curriculum will be created for executives, consultants and companies.

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<sup>1</sup> <https://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=COM:2011:0567:FIN:EN:PDF> Communication from the Commission to the European Parliament, the Council, the European Economic and Social Committee and the Committee of the Regions – Supporting growth and jobs – an agenda for the modernisation of Europe's higher education systems, Brussels, 20.09.2011

- By being able to achieve exchanges, through the selection of the best students proven for a particular cooperation (through internship or complete training for future business collaboration), as well as through cooperation of employees with universities for continuous and life long learning.
- Through partnership innovations achieved in the level of products/services creation, as well as in the level of changing or creating new procedures concerning Digital Government.
- The developed knowledge base benefit private organisations due to enhancing their offered services and tools integrating beyond state-of-the-art research results. Finally, both HEIs and enterprises already benefited from the knowledge base development, since the latter maintained by the consortium maximizing their networks and applying individual and/or cooperative business models.

Participation of universities in this project was of high importance as the benefits of this alliance are very important. In the short term, higher education institutions were able to:

- Establish new curricula in the important area of Digital Government.
- Develop and maintain a research roadmap of this domain, so as to guide the joint efforts in PhD programmes and research projects. Researchers rely on this roadmap further widen their research horizons at the domain of Digital Government.
- Involve employers and labour market institutions in the design and delivery of programmes, supporting staff exchanges and including practical experience in courses that help attune curricula to current and emerging labour market needs, fostering employability and entrepreneurship.

In the long term:

- Research projects through the Joint research project opportunities have been developed.
- A network was created by the most appropriate and well-known experts at European and international level on Digital Government, enabling the creation of new research teams and publications that arose from various kinds of cooperation.
- The created network expanded on new fields, giving researchers the opportunity to further study of cases beyond the narrow limits of small alliances that have existed so far.

Higher education and training institutions were able to:

- Be informed about the existing eGovernment curricula and update or create their own ones aligned with the existing eGovernment research needs.
- New ways of collaboration among research institutions and universities arose through joint publications and project proposals.
- New material for updating native courses in the domain of Digital Government structured based on the three identified generations has been provided to all associate partners.
- New introduction material along with its references have been developed for any identified disruptive technology.

Enterprises, and the private sector in general, can identify how to address specific training needs for their employees.

All partner organisations and the wider Digital Government community could participate in the project either through joint events or through the Gov3.0 offered procedures integrated in the project website.

Any learning outcomes already identified that could improve the skills, competence and employability needed in their professional or educational environments.

- Material (documents and modules) developed in this project can be used from students/staff to improve their knowledge and skills.
- Native courses have been continuously updated and delivered to undergraduate students.

- Annual summer school was open for all interested public servants, researchers, and practitioners in the domain of Digital Government. Mobility budget had been used, occasionally, for the mobility of partners' students and employees.

Generally, the evolution of ICT-enabled governance has benefited all citizens.

## 2.3 Tools

The dissemination tools that were used are: mailing lists, website, blog, social media such as Twitter, Facebook, Researchgate, SlideShare, LinkedIn, web-based consultation meetings. The appropriate combination of such communication mechanisms were used for enhancing project visibility and for consultation purposes based on the stakeholders involved, the urgency for response, the sensitivity of the content, the impact and the permanency of the information. In addition, Google Drive was used as a communication tool. All the dissemination tools are described in detail in sections 2.3 and 3.2.4.

### 2.3.1 Website – Content

The website was always updated with all new content provided by all partners into the sections: 'The Project', 'Outcomes', 'Community', 'MOOC on Digital Government Transformation', 'iGOvDIGITAL Awards', 'Project Events' and 'News'. Any new content added into the website was posted on social media channels on a regular basis.

### 2.3.2 Website – Search Engine Optimisation (SEO)

SEO encompasses both the technical and creative elements required to improve rankings, drive traffic, and increase awareness in search engines. There are many aspects to SEO, from the words on your page to the way other sites link to you on the web. Sometimes SEO is simply a matter of making sure your site is structured in a way that search engines understand.

We checked the overall performance of the website as far as SEO was concerned twice a year. Online / open source tools were used for it. Precisely, these tools were the "[SEO Site Checkup](#)" and "[Seobility](#)". We needed to take into consideration: content optimization, images, search optimization and page speed.

### 2.3.3 Social Media

We have created accounts on the following social media channels: Twitter, Facebook, and Research Gate. A LinkedIn account was created during the second year of the project. In order to increase the number of the followers, we posted any new material related to Gov3.0 on social media regularly. Except for the above-mentioned channels, YouTube was used for our own purposes and not for disseminating information & results. Particularly, the YouTube channel was used only as a Storeroom for MOOCs videos.

Emphasis was given on Twitter, since the given social media channel is widely used by universities' academic staff (professors, lectures, researchers) and professionals in the technology field.

The social media links are provided below:

Twitter account: [https://twitter.com/Government\\_30](https://twitter.com/Government_30)

Facebook page: <https://www.facebook.com/Government30/>

LinkedIn Group: <https://www.linkedin.com/company/government30>

Research Gate: <https://www.researchgate.net/project/GOV-30-Scientific-Foundations-Training-and-Entrepreneurship-in-the-domain-of-ICT-enabled-Governance>

SlideShare was used to host presentations of the Gov3.0 project at the conferences Samos 2018 Summit & Samos 2019 Summit. (<https://www.slideshare.net/samossummit/presentations/2>,

<https://www.slideshare.net/Samos2019Summit/1st-session-opening-samos-2019-summit-on-ict-enabled-governance-government-30>)

#### **2.3.4 Newsletters**

The target number for the electronic newsletters that needed to be prepared and published in total was twelve (12). Newsletters were published per outcome and for events. The wider consortium network is structured in a mailing list. The tool for creating the newsletters was the American marketing automation platform and email marketing service Mailchimp. Each newsletter was sent directly from the project's website. The Mailchimp account was created by the UAegean, and twelve newsletters in total were sent, covering themes concerning the outcomes and the events of the project (e.g., roadmap, publications, MOOC, competition), as well as Information of general interest but only information concerning the Digital Governance domain (e.g., upcoming international conferences).

#### **2.3.5 Consortium Mailing Lists**

Mailing lists were used in order to promote the dissemination material across the Gov3.0 network.

The mailing lists are provided below:

[erasmus-gov3@googlegroups.com](mailto:erasmus-gov3@googlegroups.com)

[erasmusgov3.0@gr.pwc.com](mailto:erasmusgov3.0@gr.pwc.com)

#### **2.3.6 Web-based Consultation Meetings**

Online meetings were conducted once a month and whenever it was necessary in order the Consortium to organize actions and dissemination activities. The dissemination activities are presented in detail in section 3.2.

## 3. Activity Report

### 3.1 Introduction

This section details the dissemination activities developed within the Government 3.0 project from November 2017 to October 2020 (both included). These activities consist of:

- Scientific publications (journals and conferences) related to Government 3.0.
- Events where Government 3.0 was presented.
- Organization of/Participation in workshops and experiments.
- Other dissemination activities and material, such as project website, brochures, logo, dissemination on (online) media and press releases, award etc.

A brief description of the activities is presented below, based on the initial dissemination plan and their effectiveness for the purposes of Government 3.0.

### 3.2 Overview of Dissemination Activities

#### 3.2.1 Publications

Table 2 presents an overview of the publications which were made by the Government 3.0 partners and accepted until M36 and the events where those publications were presented. Gov3.0 results were arranged into key themes, to develop a minimum of 60 publications, peer-reviewed articles, book chapters and reports intended for scientific audiences. These scientific outputs covered theoretical issues, conceptual and methodological questions and key results and aimed at a high impact factor. During the first year of the project, 13 scientific publications were produced and published, one journal paper and 17 conference papers. During the second year of the project, 21 conference papers were produced and published while in the third year it were 27 conference papers. The APA-style reference, as well as more detailed information of each publication, can be found on the table below (Table 2).

**Table 2: Publications until M36**

Title	Authors	APA	PRESENTED AT	Type	Year
<b>Tracking the Evolution of OGD Portals: A Maturity Model</b>	Alexopoulos, C., Diamantopoulou, V., Charalabidis, Y.	Alexopoulos, C., Diamantopoulou, V., & Charalabidis, Y. (2017, September). Tracking the evolution of OGD portals: A maturity model. In International Conference on Electronic Government (pp. 287-300). Springer, Cham.	Hawaii International Conference on System Sciences - HICSS2018	Conference Paper	2017
<b>Organizational Learning to Leverage Benefits Realization Management; Evidence from a Municipal eHealth Effort</b>	Askedal Kirst, Flak Leif Skiftenes, æ Hans Solli-S, Straub Detmar W	Askedal, K., Flak, L. S., Solli-Sæther, H., & Straub, D. W. (2017, September). Organizational Learning to Leverage Benefits Realization Management; Evidence from a Municipal eHealth Effort. In International Conference on Electronic Government (pp. 142-153). Springer, Cham.	International Conference on Electronic Government EGOV 2017	Conference Paper	2017
<b>Promoting open innovation in the public sector through social media monitoring</b>	Loukis Euripidis, Charalabidis Yannis, Androutsopoulou Aggeliki	Loukis, E., Charalabidis, Y., & Androutsopoulou, A. (2017). Promoting open innovation in the public sector through social media monitoring. Government information quarterly, 34(1), 99-109.	Journal Article	Journal	2017



<b>A Taxonomy for Analysing Smart Cities Developments in Greece</b>	C. Alexopoulos, Y. Charalabidis, D. Kolokotronis, N. Vogiatzis	Alexopoulos, C., Charalabidis, Y., Vogiatzis, N., & Kolokotronis, D. E. (2018, April). A Taxonomy for Analysing Smart Cities Developments in Greece. In Proceedings of the 11th International Conference on Theory and Practice of Electronic Governance (pp. 537-549).	11th International Conference on Theory and Practice of Electronic Governance - ICEGOV2018	Conference Paper	2018
<b>Scientific foundations training and entrepreneurship activities in the domain of ICT-enabled Governance</b>	Gabriela Viale Pereira, Charalampos Alexopoulos, Yannis Charalabidis, Francesco Mureddu, Peter Parycek, Alexander Ronzhyn, Dimitris Sarantis, Leif Skiftenes Flak and Maria A. Wimmer	Pereira, G. V., Charalabidis, Y., Alexopoulos, C., Mureddu, F., Parycek, P., Ronzhyn, A., ... & Wimmer, M. A. (2018, May). Scientific foundations training and entrepreneurship activities in the domain of ICT-enabled Governance. In Proceedings of the 19th Annual International Conference on Digital Government Research: Governance in the Data Age (pp. 1-2).	The 19th Annual International Conference on Digital Government Research - DgO2018	Conference Paper	2018
<b>Workshop: Roadmapping Government 3.0</b>	Maria A. Wimmer, Alexander Ronzhyn, Gabriela Viale Pereira, Yannis Charalabidis and Harris Alexopoulos	Wimmer, M. A., Ronzhyn, A., & Viale, G. (2018). Workshop: Roadmapping Government 3.0. EGOV-CeDEM-ePart 2018, 325.	International Conference on Electronic Government - EGOV2018	Conference Paper	2018
<b>Blockchain Technologies in Government 3.0: A review</b>	Charalampos Alexopoulos, Aggeliki Androutsopoulou, Zoi Lachana, Michalis Avgerinos Loutsaris and Yannis Charalabidis	Alexopoulos, C., Androutsopoulou, A., Lachana, Z., Loutsaris, M. A., & Charalabidis, Y. (2018). Blockchain technologies in government 3.0: A review. EGOV-CeDEM-ePart 2018, 11.	International Conference on Electronic Government - EGOV2018	Conference Paper	2018
<b>Government 3.0 Roadmap</b>	Alexander Ronzhyn, Wimmer, Maria A	Ronzhyn, A., & Wimmer, M. A. (2018). Government 3.0 Roadmap.	The 12th Mediterranean Conference on Information Systems - MCIS2018	Conference Paper	2018
<b>Identifying the different generations of eGovernment: An analysis framework</b>	Zoi Lachana, Charalampos Alexopoulos, Euripidis Loukis and Yannis Charalabidis	Lachana, Z., Alexopoulos, C., Loukis, E., & Charalabidis, Y. (2018, September). Identifying the different generations of eGovernment: an analysis framework. In The 12th Mediterranean Conference on Information Systems (MCIS) (pp. 1-13).	The 12th Mediterranean Conference on Information Systems - MCIS2018	Conference Paper	2018
<b>"Peri Nomou" System: Automated Codification and Interrelation of legal elements based on text mining</b>	Zoi Lachana, Michalis Avgerinos Loutsaris, Charalampos Alexopoulos and Yannis Charalabidis	Lachana, Z., Loutsaris, M. A., Alexopoulos, C., & Charalabidis, Y. (2018). "Peri Nomou" System: Automated Codification and Interrelation of Legal Elements Based on Text Mining. In MCIS (p. 10).	The 12th Mediterranean Conference on Information Systems - MCIS2018	Conference Paper	2018
<b>Towards Health Sector Web Presence Assessment: Defining Criteria and Indicators</b>	Sarantis, D., Soares, D.S.	Sarantis, D., & Soares, D. (2018, April). Towards Health Sector Web Presence Assessment: Defining Criteria and Indicators. In Proceedings of the 11th International Conference on Theory and Practice of Electronic Governance (pp. 298-307).	11th International Conference on Theory and Practice of Electronic Governance - ICEGOV2018	Conference Paper	2018
<b>Exploring Open Data State-of-the-Art: A</b>	Shefali Virkar, Gabriela Viale Pereira	Virkar, S., & Pereira, G. V. (2018, September). Exploring open data	International Conference on	Conference Paper	2018

<b>Review of the Social, Economic and Political Impacts</b>		state-of-the-art: a review of the social, economic and political impacts. In International Conference on Electronic Government (pp. 196-207). Springer, Cham.	Electronic Government - EGOV2018		
<b>A methodology for economic crisis policy analytics</b>	Loukis Euripidis, Arvanitis Spyros	Loukis, E. N., Arvanitis, S., & Alexopoulos, C. (2018). A Methodology for Economic Crisis Policy Analytics. In MCIS (p. 42).	The 12th Mediterranean Conference on Information Systems - MCIS2018	Conference Paper	2018
<b>A 360-degree model for prioritizing Smart Cities initiatives, with the participation of municipality officials, citizens and experts</b>	Y. Charalabidis, C. Alexopoulos, N. Vogiatzis, D. Kolokotronis	Charalabidis, Y., Alexopoulos, C., Vogiatzis, N., & Kolokotronis, D. E. (2019). A 360-degree model for prioritizing smart cities initiatives, with the participation of municipality officials, citizens and experts. In E-Participation in Smart Cities: Technologies and Models of Governance for Citizen Engagement (pp. 123-153). Springer, Cham.	E-Participation in Smart Cities: Technologies and Models of Governance for Citizen Engagement (pp. 123-153). Springer, Cham	Journal	2018
<b>A framework for evidence based policy making combining big data, dynamic modelling and machine intelligence</b>	Aggeliki Androutsopoulou, Yannis Charalabidis	Androutsopoulou, A., & Charalabidis, Y. (2018, April). A framework for evidence based policy making combining big data, dynamic modelling and machine intelligence. In Proceedings of the 11th International Conference on Theory and Practice of Electronic Governance (pp. 575-583).	Proceedings of the 11th International Conference on Theory and Practice of Electronic Governance	Conference Paper	2018
<b>Transforming the communication between citizens and government through AI-guided chatbots journal</b>	Aggeliki Androutsopoulou Nikos Karacapilidis, Euripidis Loukis YannisCharalabidis	Androutsopoulou, A., Karacapilidis, N., Loukis, E., & Charalabidis, Y. (2019). Transforming the communication between citizens and government through AI-guided chatbots. Government Information Quarterly, 36(2), 358-367.	Government Information Quarterly	Journal	2018
<b>Assessment of Citizen Perception: A Case Study of Municipal Solid Waste Management System in Guimaraes</b>	Arfeen, M. I., Sarantis, D., and Pereira, A. F	Arfeen, M. I., Sarantis, D., & Pereira, A. F. (2018, March). Assessment of Citizen Perception: A Case Study of Municipal Solid Waste Management System in Guimaraes. In Proceedings of the International Conference on Innovation & Entrepreneurship (pp. 42-50).	6th International Conference on Innovation and Entrepreneurship	Conference Paper	2018
<b>Stakeholder theory for the E-government context: Framing a value-oriented normative core</b>	Rose, J., Flak, L. S., & Sæbø, Ø	Rose, J., Flak, L. S., & Sæbø, Ø. (2018). Stakeholder theory for the E-government context: Framing a value-oriented normative core. <i>Government Information Quarterly</i> , 35(3), 362-374.	Government Information Quarterly	Journal	2018
<b>Towards Health Sector Web Presence Assessment: Defining Criteria and Indicators</b>	Sarantis, Demetrios; Soares, Delfina	Sarantis, D., & Soares, D. (2018, April). Towards Health Sector Web Presence Assessment: Defining Criteria and Indicators. In Proceedings of the 11th International Conference on Theory and Practice of Electronic Governance (pp. 298-307).	11th International Conference on Theory and Practice of Electronic Governance,	Conference Paper	2018
<b>Bridging between Policy-Making and</b>	SB Dhaou, M Lameiras, D Soares, I Rohman	Dhaou, S. B., Lameiras, M., Soares, D., & Rohman, I. (2018). Bridging	EGOV-CeDEM-ePart	Conference Paper	2018

<b>Academic Research: A Within-Case Analysis of the International Rankings for Justice</b>		between Policy-Making and Academic Research: A Within-Case Analysis of the International Rankings for Justice. EGOV-CeDEM-ePart 2018, 243.			
<b>Global Challenge of Identity: Blockchain E-ID System for a Sustainable Development and Good Governance</b>	SIB Dhaou, IK Rohman	Dhaou, S. I. B., & Rohman, I. K. (2018). Global Challenge of Identity: Blockchain E-ID System for a Sustainable Development and Good Governance. EGOV-CeDEM-ePart 2018, 199.	EGOV-CeDEM-ePart	Conference Paper	2018
<b>Analysing the transformational effects of emerging technologies on smart cities: Blockchain and IoT</b>	S Ben Dhaou, N Lopes	Ben Dhaou, S., & Lopes, N. (2018, August). Analysing the transformational effects of emerging technologies on smart cities: Blockchain and IoT. In 3rd International Conference on Smart and Sustainable Technologies (SpliTech 2018). Institute of Electrical and Electronics Engineers.	3rd International Conference on Smart and Sustainable Technologies	Conference Paper	2018
<b>Everything and its opposite: Socio-economic implications of Blockchain technology: Case of monetary policy</b>	SI Ben Dhaou, IK Rohman	Ben Dhaou, S. I., & Rohman, I. K. (2018, April). Everything and its opposite: Socio-economic implications of Blockchain technology: Case of monetary policy. In Proceedings of the 11th International Conference on Theory and Practice of Electronic Governance (pp. 631-639).	11th International Conference on Theory and Practice of Electronic Governance	Conference Paper	2018
<b>Public Service Delivery Framework: Case of Canada, China and Estonia</b>	NV Lopes, SB Dhaou	Lopes, N. V., & Dhaou, S. B. (2018, April). Public Service Delivery Framework: Case of Canada, China and Estonia. In Proceedings of the 11th International Conference on Theory and Practice of Electronic Governance (pp. 101-110).	11th International Conference on Theory and Practice of Electronic Governance	Conference Paper	2018
<b>Introduction to the Minitrack on Towards Government 3.0: Disruptive ICTs, Advanced Policy Informatics/Analytics and Government as a Platform</b>	Euripidis Loukis, Yannis Charalabidis, Leif Skiftenes Flak	Loukis, E., Charalabidis, Y., & Flak, L. S. (2019). Introduction to the Minitrack on Towards Government 3.0: Disruptive ICTs, Advanced Policy Informatics/Analytics and Government as a Platform.	52nd Hawaii International Conference on System Sciences	Conference Paper	2019
<b>Recommendations for M-Government Implementation in Developing Countries: Lessons Learned from the Practitioners</b>	Tupokigwe Isagah, Maria A Wimmer	Isagah, T., & Wimmer, M. A. (2019, May). Recommendations for M-Government Implementation in Developing Countries: Lessons Learned from the Practitioners. In International Conference on Social Implications of Computers in Developing Countries (pp. 544-555). Springer, Cham.	Conference on Social Implications of Computers in Developing Countries	Conference Paper	2019
<b>Benefits and Obstacles of Blockchain Applications in eGovernment</b>	Charalampos Alexopoulos, Yannis Charalabidis, Aggeliki Androutsopoulou, Michalis Avgerinos Loutsaris, Zoi Lachana	Alexopoulos, C., Charalabidis, Y., Androutsopoulou, A., Loutsaris, M. A., & Lachana, Z. (2019, January). Benefits and obstacles of blockchain applications in eGovernment. In Proceedings of the 52nd Hawaii International Conference on System Sciences.	Hawaii International Conference on System Sciences - HICSS2019	Conference Paper	2019

<b>A Taxonomy of Smart Cities Initiatives</b>	Charalampos Alexopoulos, Gabriela Viale Pereira, Yannis Charalabidis	Alexopoulos, C., Pereira, G. V., Charalabidis, Y., & Madrid, L. (2019, April). A Taxonomy of Smart Cities Initiatives. In Proceedings of the 12th International Conference on Theory and Practice of Electronic Governance (pp. 281-290).	12th International Conference on Theory and Practice of Electronic Governance - ICEGOV2019	Conference Paper	2019
<b>Literature Review of Ethical Concerns in the Use of Disruptive Technologies in Government 3.0</b>	Alexander Ronzhyn, Maria A. Wimmer	Ronzhyn, A., & Wimmer, M. A. (2019). Literature review of ethical concerns in the use of disruptive technologies in government 3.0. In The Thirteenth International Conference on Digital Society and eGovernments, ICDS (pp. 85-92).	The 13th Conference on Digital Society and eGovernments – ICDS2019	Conference Paper	2019
<b>Cloud Computing in eGovernment: Benefits and Challenges</b>	Frank Danielsen, Leif S. Flak, Alexander Ronzhyn	Danielsen, F., Flak, L. S., & Ronzhyn, A. Cloud Computing in eGovernment.	The 13th Conference on Digital Society and eGovernments – ICDS2019	Conference Paper	2019
<b>The Evolving eGovernance Curriculum: A Worldwide mapping of Education Programs</b>	Demetrios Sarantis, Soumaya Ben Dhaou, Charalampos Alexopoulos, Alexander Ronzhyn, Gabriela Viale Pereira, Yannis Charalabidis	Sarantis, D., Ben Dhaou, S., Alexopoulos, C., Ronzhyn, A., Pereira, G. V., & Charalabidis, Y. (2019, April). The Evolving eGovernance Curriculum: A Worldwide mapping of Education Programs. In Proceedings of the 12th International Conference on Theory and Practice of Electronic Governance (pp. 378-386).	12th International Conference on Theory and Practice of Electronic Governance - ICEGOV2019	Conference Paper	2019
<b>Scenario technique to elicit research and training needs in Digital Government employing disruptive technologies</b>	Alexander Ronzhyn, Vera Spitzer, Maria A. Wimmer	Ronzhyn, A., Spitzer, V., & Wimmer, M. (2019, June). Scenario technique to elicit research and training needs in Digital Government employing disruptive technologies. In Proceedings of the 20th Annual International Conference on Digital Government Research (pp. 41-47).	The 20th Annual International Conference on Digital Government Research - DgO2019	Conference Paper	2019
<b>Using Disruptive Technologies in eGovernment: Identification of Research and Training Needs</b>	Alexander Ronzhyn, Maria A. Wimmer, Vera Spitzer, Gabriela Viale Pereira and Charalampos Alexopoulos	Ronzhyn, A., Wimmer, M. A., Spitzer, V., Pereira, G. V., & Alexopoulos, C. (2019, September). Using Disruptive Technologies in eGovernment: Identification of Research and Training Needs. In International Conference on Electronic Government (pp. 276-287). Springer, Cham.	The IFIP WG 8.5 Electronic Government (EGOV), the IFIP WG 8.5 IFIP Electronic Participation (ePart) and the Conference for E-Democracy and Open Government Conference (CeDEM) - EGOV-CeDEM-ePart 2019	Conference Paper	2019
<b>Challenges and Opportunities in eGovernment Education</b>	Demetrios Sarantis, Soumaya Ben Dhaou, Charalampos Alexopoulos, Euripidis Loukis	Sarantis, D., Ben Dhaou, S., Alexopoulos, C., & Loukis, E. (2019, February). Challenges and Opportunities in eGovernment Education: eGovernment Programs Curriculum. In 13th International Conference on Digital Society and eGovernments (ICDS 2019). IARIA.	The 13th Conference on Digital Society and eGovernments – ICDS2019	Conference Paper	2019

<b>Developing Health Sector Website Assessment Instrument: Outcomes from Portuguese Hospitals</b>	Sarantis, D., Soares, D.S.	Sarantis, D., & Soares, D. (2019, April). Developing Health Sector Website Assessment Instrument: Outcomes from Portuguese Hospitals. In 2019 Sixth International Conference on eDemocracy & eGovernment (ICEDEG) (pp. 120-127). IEEE.	6th International Conference on eDemocracy & eGovernment – ICEDEG 2019	Conference Paper	2019
<b>Investigating the Social, Political, Economic and Cultural Implications of Data Trading</b>	Shefali Virkar, Gabriela Viale Pereira, Michela Vignoli	Virkar, S., Pereira, G. V., & Vignoli, M. (2019, September). Investigating the Social, Political, Economic and Cultural Implications of Data Trading. In International Conference on Electronic Government (pp. 215-229). Springer, Cham.	International Conference on Electronic Government	Conference Paper	2019
<b>Innovation Policy Analytics for Economic Crisis</b>	Loukis, E., Arvanitis, S., Alexopoulos, C.	Loukis, E., Arvanitis, S., & Alexopoulos, C. Innovation Policy Analytics for Economic Crisis.	The 13th Conference on Digital Society and eGovernments – ICDS2019	Conference Paper	2019
<b>How Machine Learning is Changing eGovernment</b>	Alexopoulos Charalampos, Lachana Zoi, Androutsopoulou Aggeliki, Diamantopoulou Vasiliki, Charalabidis Yannis, Loutsaris Michalis Avgerinos	Alexopoulos, C., Lachana, Z., Androutsopoulou, A., Diamantopoulou, V., Charalabidis, Y., & Loutsaris, M. A. (2019, April). How machine learning is changing eGovernment. In Proceedings of the 12th International Conference on Theory and Practice of Electronic Governance (pp. 354-363).	12th International Conference on Theory and Practice of Electronic Governance - ICEGOV2019	Conference Paper	2019
<b>A Participative Method for Prioritizing Smart City Interventions in Medium-Sized Municipalities</b>	Yannis Charalabidis, Christina Theocharopoulou	Charalabidis, Y., & Theocharopoulou, C. (2019). A Participative Method for Prioritizing Smart City Interventions in Medium-Sized Municipalities. International Journal of Public Administration in the Digital Age (IJPADA), 6(1), 41-63.	Journal Article	Journal	2019
<b>The European Union Landscape on Interoperability Standardisation: Status of European and National Interoperability Frameworks</b>	V. Kalogirou, Charalabidis Y.	Kalogirou, V., & Charalabidis, Y. (2019). The European union landscape on interoperability standardisation: status of European and national interoperability frameworks. In Enterprise Interoperability VIII (pp. 359-368). Springer, Cham.	I-ESA Conference, 10th International Conference on Interoperability for enterprise systems and applications	Journal	2019
<b>IoT and AI for Smart Government: A Research Agenda</b>	Atreyi Kankanhalli, Yannis Charalabidis and Sehl Mellouli	Kankanhalli, A., Charalabidis, Y., & Mellouli, S. (2019). IoT and AI for smart government: A research agenda.	Scientific paper, Government Information Quarterly Volume 36, Issue 2, April 2019, Pages 304-309	Conference Paper	2019
<b>A Taxonomy of Smart Cities Initiatives</b>	Alexopoulos Charalampos, Pereira Gabriela Viale, Charalabidis Yannis, Madrid Lorenzo	Alexopoulos, C., Pereira, G. V., Charalabidis, Y., & Madrid, L. (2019, April). A Taxonomy of Smart Cities Initiatives. In Proceedings of the 12th International Conference on Theory and Practice of Electronic Governance (pp. 281-290).	12th International Conference on Theory and Practice of Electronic Governance, ACM 2019	Conference Paper	2019

<b>From start-ups to governments: challenges and opportunities of blockchain adoption in the MENA ecosystem</b>	E Toufaily, T Zalan, SB Dhaou	Toufaily, E., Zalan, T., & Dhaou, S. B. (2019, December). From start-ups to governments: challenges and opportunities of blockchain adoption in the MENA ecosystem. In Proceedings of the Second International Conference on Data Science, E-Learning and Information Systems (pp. 1-2).	Second International Conference on Data Science, E-Learning and Information Systems	Conference Paper	2019
<b>Blockchain Technology and Value Creation for Government and Public Services</b>	K Pires, SB Dhaou	Pires, K., & Dhaou, S. B. (2019). Blockchain Technology and Value Creation for Government and Public Services. EGOV-CeDEM-ePart 2019, 129.	EGOV-CeDEM-ePart	Conference Paper	2019
<b>Future Research Directions on the Science Base and the Evolution of the Digital Governance Domain</b>	Yannis Charalabidis, Euripidis Loukis, Zoi Lachana, Charalampos Alexopoulos	Charalabidis, Y., Loukis, E., Lachana, Z., & Alexopoulos, C. Future Research Directions on the Science Base and the Evolution of the Digital Governance Domain.	ICIS 2019: International Conference on Information Systems	Conference Paper	2019
<b>Key indicators for justice: evidence-based research for policy-making</b>	Mariana Lameiras, Maria João Costa, Soumaya Ben Dhaou, Delfina Soares	Lameiras, M., Costa, M. J., Soares, D., & Dhaou, S. B. (2020, September). Key indicators for justice: evidence-based research for policy-making. In Proceedings of the 13th International Conference on Theory and Practice of Electronic Governance (pp. 827-830).	13th International Conference on Theory and Practice of Electronic Governance	Conference Paper	2020
<b>Municipalities e-Participation initiatives through Facebook: citizens perspective</b>	Ayman Alarabiat, Delfina Soares, Elsa Estevez	Alarabiat, A., Soares, D., & Estevez, E. (2020, September). Municipalities e-Participation initiatives through Facebook: citizens perspective. In Proceedings of the 13th International Conference on Theory and Practice of Electronic Governance (pp. 551-559).	13th International Conference on Theory and Practice of Electronic Governance	Conference Paper	2020
<b>HSWAI: a health sector website assessment instrument</b>	Demetrios Sarantis, Delfina Soares, Joana Carvalho	Sarantis, D., Soares, D., & Carvalho, J. (2020, September). HSWAI: a health sector website assessment instrument. In Proceedings of the 13th International Conference on Theory and Practice of Electronic Governance (pp. 359-368).	13th International Conference on Theory and Practice of Electronic Governance	Conference Paper	2020
<b>Better access to law by codification and consolidation of legal acts: the case of the Hellenic Law Codification Portal</b>	Antonios Stasis, Vassiliki Dalakou, Ilias Karakatsanis, Loukia Demiri, Georgia Valatsou, Demetrios Sarantis	Stasis, A., Dalakou, V., Karakatsanis, I., Demiri, L., Valatsou, G., & Sarantis, D. (2020, September). Better access to law by codification and consolidation of legal acts: the case of the Hellenic Law Codification Portal. In Proceedings of the 13th International Conference on Theory and Practice of Electronic Governance (pp. 696-704).	13th International Conference on Theory and Practice of Electronic Governance	Conference Paper	2020
<b>Evidence-based research for Intelligent Governments: Lessons learned from the Justice system</b>	M Lameiras, S Ben-Dhaou, D Sá Soares	Lameiras, M., Ben-Dhaou, S., & Sá Soares, D. (2020, June). Evidence-based research for Intelligent Governments: Lessons learned from the Justice system. In The 21st Annual International Conference on Digital Government Research (pp. 367-368).	The 21st Annual International Conference on Digital Government Research	Conference Paper	2020



<b>Gamification in Public Service Provisioning: Investigation of Research Needs</b>	Alexander Ronzhyn, Maria A. Wimmer, Gabriela Viale Pereira, and Charalampos Alexopoulos	Ronzhyn, A., Wimmer, M. A., Viale Pereira, G., & Alexopoulos, C. (2020, June). Gamification in Public Service Provisioning: Investigation of Research Needs. In The 21st Annual International Conference on Digital Government Research (pp. 294-300).	21st Annual International Conference on Digital Government Research, , 294-300 – DGO.2020	Conference Paper	2020
<b>Towards a Science Base for Digital Governance</b>	Yannis Charalabidis, Zoi Lachana	Charalabidis, Y., & Lachana, Z. (2020, June). Towards a Science Base for Digital Governance. In The 21st Annual International Conference on Digital Government Research (pp. 383-389).	21st Annual International Conference on Digital Government Research – DGO.2020	Conference Paper	2020
<b>Legal informatics from the aspect of interoperability: a review of systems, tools and ontologies</b>	Michalis Avgerinos Loutsaris, Yannis Charalabidis	Loutsaris, M. A., & Charalabidis, Y. (2020, September). Legal informatics from the aspect of interoperability: a review of systems, tools and ontologies. In Proceedings of the 13th International Conference on Theory and Practice of Electronic Governance (pp. 731-737).	Proceedings of the 13th International Conference on Theory and Practice of Electronic Governance	Conference Paper	2020
<b>Transforming Government by Leveraging Disruptive Technologies: Identification of Research and Training Needs</b>	Maria A. Wimmer, Gabriela Viale Pereira, Alexander Ronzhyn, Vera Spitzer	Wimmer, M. A., Pereira, G. V., Ronzhyn, A., & Spitzer, V. (2020). Transforming Government by Leveraging Disruptive Technologies: Identification of Research and Training Needs. JeDEM-eJournal of eDemocracy and Open Government, 12(1), 87-114.	JeDEM - eJournal of eDemocracy and Open Government 12 (1), 87-114	Conference Paper	2020
<b>Research Needs for Disruptive Technologies in Smart Cities</b>	Gabriela Viale Pereira, Maria A. Wimmer, Alexander Ronzhyn	Pereira, G. V., Wimmer, M., & Ronzhyn, A. (2020, September). Research needs for disruptive technologies in smart cities. In Proceedings of the 13th International Conference on Theory and Practice of Electronic Governance (pp. 620-627).	13th International Conference on Theory and Practice of Electronic Governance - ICEGOV2020	Conference Paper	2020
<b>Blockchain in Digital Government: Research Needs Identification</b>	D Sarantis, C Alexopoulos, Y Charalabidis, Z Lachana, M Loutsaris	Sarantis, D., Alexopoulos, C., Charalabidis, Y., Lachana, Z., & Loutsaris, M. (2020, November). Blockchain in Digital Government: Research Needs Identification. In European, Mediterranean, and Middle Eastern Conference on Information Systems (pp. 188-204). Springer, Cham.	European, Mediterranean, and Middle Eastern Conference on Information Systems	Conference Paper	2020
<b>On the science foundation of Digital Governance and transformation</b>	Y Charalabidis, Z Lachana	Charalabidis, Y., & Lachana, Z. (2020, September). On the science foundation of Digital Governance and transformation. In Proceedings of the 13th International Conference on Theory and Practice of Electronic Governance (pp. 214-221).	Proceedings of the 13th International Conference on Theory and Practice of Electronic Governance	Conference Paper	2020
<b>What do governments plan in the field of artificial intelligence? Analysing national AI strategies using NLP</b>	Theodoros Papadopoulos, Yannis Charalabidis	Papadopoulos, T., & Charalabidis, Y. (2020, September). What do governments plan in the field of artificial intelligence? Analysing national AI strategies using NLP. In Proceedings of the 13th	Proceedings of the 13th International Conference on Theory and Practice of	Conference Paper	2020

		International Conference on Theory and Practice of Electronic Governance (pp. 100-111).	Electronic Governance		
<b>Convergence and Divergence Between Municipalities and Citizens about Smart City Actions' Priorities</b>	Yannis Charalabidis, Euripidis Loukis, Charalampos Alexopoulos, Nikolaos Vogiatzis, Dimitrios Kolokotronis	Charalabidis, Y., Loukis, E., Alexopoulos, C., Vogiatzis, N., & Kolokotronis, D. (2020, June). Convergence and Divergence Between Municipalities and Citizens about Smart City Actions' Priorities. In The 21st Annual International Conference on Digital Government Research (pp. 97-108).	The 21st Annual International Conference on Digital Government Research	Conference Paper	2020
<b>A development framework for blockchain technologies in Digital Government</b>	Ioannis Koulizakis, Euripides Loukis	Koulizakis, I., & Loukis, E. (2020, September). A development framework for blockchain technologies in Digital Government. In Proceedings of the 13th International Conference on Theory and Practice of Electronic Governance (pp. 129-136).	Proceedings of the 13th International Conference on Theory and Practice of Electronic Governance	Conference Paper	2020
<b>Analysing eGovernment Research: Current Areas and Dimensions</b>	Demetrios Sarantis	Sarantis, D. (2020, January). Analysing eGovernment Research: Current Areas and Dimensions. In 18th International Conference on WWW/Internet. International Association for the Development of the Information Society (IADIS).	18th International Conference on WWW/Internet	Conference Paper	2020
<b>Identification of Competencies and Teaching Models for the Governance of Smart Sustainable Cities in the South American Context</b>	Gabriela Viale-Pereira	Sanchez-Ortiz, A., Solar, M., Estevez, E., & Viale-Pereira, G. (2020, August). Identification of Competencies and Teaching Models for the Governance of Smart Sustainable Cities in the South American Context. In International Conference on Electronic Government (pp. 400-411). Springer, Cham.	Electronic Government: 19th IFIP WG 8.5 International Conference, EGOV 2020, Linköping, Sweden, August 31-September 2, 2020, Proceedings	Conference Paper	2020
<b>Research challenges for the use of big data in policy-making</b>	F Mureddu, J Schmeling, E Kanellou	Mureddu, F., Schmeling, J., & Kanellou, E. (2020). Research challenges for the use of big data in policy-making. Transforming Government: People, Process and Policy.	Transforming Government: People, Process and Policy	Journal	2020
<b>The Impact of Smart City Initiatives on Human Rights</b>	Flak, L. S., & Hofmann, S.	Flak, L. S., & Hofmann, S. The Impact of Smart City Initiatives on Human Rights. EGOV-CeDEM-ePart 2020, 165	EGOV-CeDEM-ePart 2020	Conference Paper	2020
<b>Data-driven government and Artificial Intelligence Track: eGovernment</b>	Charalampos Alexopoulos, Erwin Folmer, Thomas Lampoltshammer	Alexopoulos, C., Folmer, E., & Lampoltshammer, T. (2020, January). Data-driven Government and Artificial Intelligence. In 53rd Hawaii International Conference on System Sciences, HICSS 2020.	Proceeding of the 53rd Hawaii International Conference on System Sciences (HICSS)	Conference Paper	2020
<b>Artificial intelligence-based public sector data analytics for economic crisis policymaking</b>	Euripidis N Loukis, Manolis Maragoudakis, Niki Kyriakou	Loukis, E. N., Maragoudakis, M., & Kyriakou, N. (2020). Artificial intelligence-based public sector data analytics for economic crisis policymaking. Transforming Government: People, Process and Policy.	Transforming Government: People, Process and Policy, Emerald Publishing Limited	Journal	2020



## 3.2.2 Participation in Events

### 3.2.2.1 Internal Meetings

Internal project meetings presented opportunities for internal dissemination within the Government 3.0 consortium. They ensured that all partners were aware of the project's dissemination strategy and activities and they could contribute with ideas and resources. Except for the above-presented consortium's meetings, meetings were held once per month throughout the project (see Table 3).

**Table 3: Consortium Meetings**

Date	Location	Type	Partners
<b>2 - 3 November 2018</b>	Athens, Greece	Kick-off Meeting	All
<b>2 July 2018</b>	Samos, Greece	WP10: Management Meeting	UAEGEAN, DUK, NEGZ, AGDER, Lisbon Council, UNU, SILO
<b>9 January 2019</b>	Hawaii, USA	Track on Electronic Government	UAEGEAN, UiA
<b>28 February 2019</b>	Athens, Greece	Track on Digital Government Evolution / Towards the Next Generation	UAEGEAN, UNU-EGOV, UiA, DUK, NEGZ, Lisbon Council, SILO
<b>30 June 2019 - 1 July 2019</b>	Samos, Greece	WP10 Management Meeting	All
<b>2-3 July 2019</b>	Samos, Greece	Recording MOOC Modules	UNU, Lisbon Council, NEGZ, DUK, UiA
<b>30 September-2 October 2019</b>	Krems, Austria	Recording MOOC Modules	DUK, NEGZ, UAEGEAN, UNU
<b>15-16 January 2020</b>	Koblenz, Germany	Project meeting with focus on the Entrepreneurship contest	DUK, NEGZ, UAEGEAN, UNU, PWC

### 3.2.2.2 Workshops

Table 4 presents information about the workshops organised by the Government 3.0 consortium.

**Table 4: Workshops**

Workshop	Event	Date of Event	Location	No of Participants	Partners
<b>Framing Government 3.0: Concepts and Research Objectives</b>	ICEGOV2018	03/04/2018	Galway, Ireland	19	UAEGEAN, DUK, UNU, NEGZ
<b>Gov 3.0 Areas</b>	Samos Summit 2018	02/07/2018	Samos, Greece	26	All
<b>Gov 3.0 Curriculum Development</b>	Samos Summit 2018	03/07/2018	Samos, Greece	22	All
<b>Gov3.0 Publication Planning</b>	Samos Summit 2018	02/07/2018	Samos, Greece	21	All
<b>Gov3.0 New Project Proposals</b>	Samos Summit 2018	04/07/2018	Samos, Greece	19	All
<b>Gov 3.0 Roadmap on Science Base Creation and Training Needs in Digital Government</b>	Samos Summit 2018	04/07/2018		20	All

Roadmapping Government 3.0	EGOV-CeDEM-ePart 2018	03/09/2018	Austria	26	UAEGEAN, DUK, NEGZ
Workshop on WP2	NEGZ Herbsttagung	22/11/2018	Berlin, Germany	20	NEGZ, DUK
On Digital Government Master's Curriculum development	ICEGOV2019	04/04/2019	Melbourne, Australia		UAEGEAN, UNU-EGOV, Uia, DUK
On a Roadmap to Future Government	Samos Summit 2019	03/07/2019	Samos, Greece	62	All
On New Project Proposals	Samos Summit 2019	03/07/2019	Samos, Greece	57	All
On a Science Base Creation in Digital	Samos Summit 2019	04/07/2019	Samos, Greece	57	All
On Science Base – Roadmapping Policy Canvas/GOV3.0		01/10/2019	Krems, Austria	10	All
3Day Startup	Kristiansand, Norway	17/11/2019	Kristiansand, Norway	40	
Pre-ICIS Workshop	ICIS2019	12/01/2019	Munich, Germany	26	UAEGEAN
Joint Master Project Workshop	Koblenz, Germany	15-16 January 2020	Koblenz, Germany	5	UAEGEAN, UNU-EGOV, NEGZ, DUK
Student workshop – Validation of the Gov 3.0 Research Roadmap	Koblenz, Germany	27/02/2020	Koblenz, Germany	14	NEGZ
Student Workshop – 1st Validation of the MOOC Platform	UAEGEAN	14/05/2020	Online	46	UAEGEAN
Student Workshop – 2nd Validation of the MOOC Platform	UAEGEAN	15/07/2020	Online	16	UAEGEAN
The Structure and Concepts of Digital Governance Domain Workshop: Give your Input on Areas of Digital Governance	Samos Summit 2020	14/07/2020	Online	57	All
On a Science Base for Digital Government/Transformation	DGO2020	19/06/2020	Online	27	All
On a Science Base for Digital Government/Transformation	ICEGOV2020	22/09/2020	Online	32	UAEGEAN, NEGZ

### 3.2.2.3 Events with Government 3.0 Participation

The Government 3.0 consortium, through careful planning, the timely production of the necessary promotional material and the development of scientific publications, ensured the project's presence in a substantial number of key events. Table 5 below outlines the events with the participation of the Government 3.0 partners.

**Table 5: Events with Government 3.0 Participation**

Event	Date of Event	Location	Partners Participating	Dissemination Tools Used
7th International Conference on eDemocracy	14-15 December 2017	Athens, Greece	UAegean	Social Media, Newsletter
11th International Conference on Theory and Practice of Electronic Governance	4-6 April 2018	Galway, Ireland	UAegean, Krems, UNU, NEGZ	Social Media, Website, Newsletter
19th Annual International Conference on Digital Government Research	30 May – 1 Jun 2018	The Netherlands	UAegean	Social Media, Website, Newsletter
8th Samos Summit 2018	2-7 July 2018	Samos, Greece	UAegean, PwC, UNU, Krems, NEGZ	Project Presentation, Social Media, Website, Newsletter
51st Hawaii International Conference on System Sciences	3-6 January 2018	Hawaii, USA	NEGZ, DUK, UAegean, Uia	Social Media, Website, Newsletter
EGOV-CeDEM-ePart 2018	3-5 September 2018	Austria	UAegean, Krems, NEGZ	Social Media, Website, Newsletter

12th Mediterranean Conference on Information Systems	29-30 September 2018	Corfu, Greece	UAegean	Social Media, Website, Newsletter
ECDG: 18th European Conference on Digital Government	25-26 October 2018	Spain	Lisbon Council	Social Media, Website, Newsletter
European Big Data Value Forum	22-23 November 2018	Austria	Lisbon Council	Social Media, Website, Newsletter
ISA <sup>2</sup> Mid-Term Conference	29 November 2018	Brussels	UAegean	Social Media, Website, Newsletter
52nd Hawaii International Conference on System Sciences	8-11 January 2019	Hawaii, USA	UAegean, UiA, DUK	Social Media, Website, Newsletter
13th International Conference on Digital Society and eGovernments	24-28 February 2019	Athens, Greece	NEGZ, UiA, UAegean, UNU	Social Media, Website, Newsletter
12th International Conference on Theory and Practice of Electronic Governance	3-5 April 2019	Melbourne, Australia	UNU, NEGZ, UAegean, DUK	Social Media, Website, Newsletter
6th International Conference on eDemocracy & eGovernment	24-26 April 2019	Quito, Ecuador	UNU, NEGZ, UAegean, DUK	Social Media, Website, Newsletter
27th European Conference on Information Systems	8-14 June 2019	Stockholm and Uppsala, Sweden	UiA	Social Media, Website, Newsletter
20th Annual International Conference on Digital Government Research	18-20 June 2019	Dubai, UAE	NEGZ	Social Media, Website, Newsletter
9th Samos Summit 2019 & OpenGOV 2019 Summer School	1-5 July 2019	Samos, Greece	NEGZ, DUK, UAegean, UiA, UNU, SILO, Lisbon Council, PWC	Social Media, Website, Newsletter
EGOV-CeDEM-ePart 2019	2-4 September 2019	Italy	DUK, NEGZ, UAegean	Social Media, Website, Newsletter
European Group For Public Administration EGPA Annual Conference	11-13 September 2019	Belfast, United Kingdom	DUK	Social Media, Website, Newsletter
21st Annual International Conference on Digital Government Research	15-19 June, 2020	Seoul, South Korea	DUK, NEGZ, UAegean	Social Media, Website, Newsletter
10th Samos 2020 Summit on ICT-Enabled Governance Samos Summit & The 7th International Summer School On Open and Collaborative Governance	13-17 July 2020	Samos, Greece	NEGZ, DUK, UAegean, UiA, UNU, SILO, Lisbon Council, PWC	Project Presentation, Social Media, Website, Newsletter
IFIP EGOV-CeDEM-ePART 2020	31 August - 2 September 2020	Linköping, Sweden	DUK, NEGZ, UAegean	Social Media, Website, Newsletter
13th International Conference on Theory and Practice of Electronic Governance	23-25 September 2020	Athens, Greece	DUK, NEGZ, UAegean	Social Media, Website, Newsletter
17th European Mediterranean & Middle Eastern Conference on Information Systems	25-26 November 2020	Dubai, UAE	UAEGEAN	Social Media, Website, Newsletter

### 3.2.3 Presence of Government 3.0 on the Web

#### 3.2.3.1 Project Website

The Government 3.0 website was one of the project's main dissemination tools which was updated on a regular basis. The current version of the Government 3.0 website follows the project's graphic identity and presents a project overview, including objectives, project partners, and the activities proposed within the project. The beta version of the website was launched in November 2017 and has been subjected to constant improvement and enhancement such as news, links etc.

The website has followed the EU recommendation regarding usability and accessibility and it also features the EU flag.

The address of the official project webpage is: <https://www.gov30.eu/>

The results achieved are available via the project website. Particularly, the deliverables were separated in three dissemination levels:

- PU = Public - The deliverables which are public are available through website without registration.
- PP = Restricting to other programme participants (including the Commission Services) – These deliverables require registration and submission to the calls for affiliate organizations or affiliate experts form.
- CO = Confidential, only for members of the consortium (including the Commission Services) – These deliverables are restricted only for consortium members and requires login.

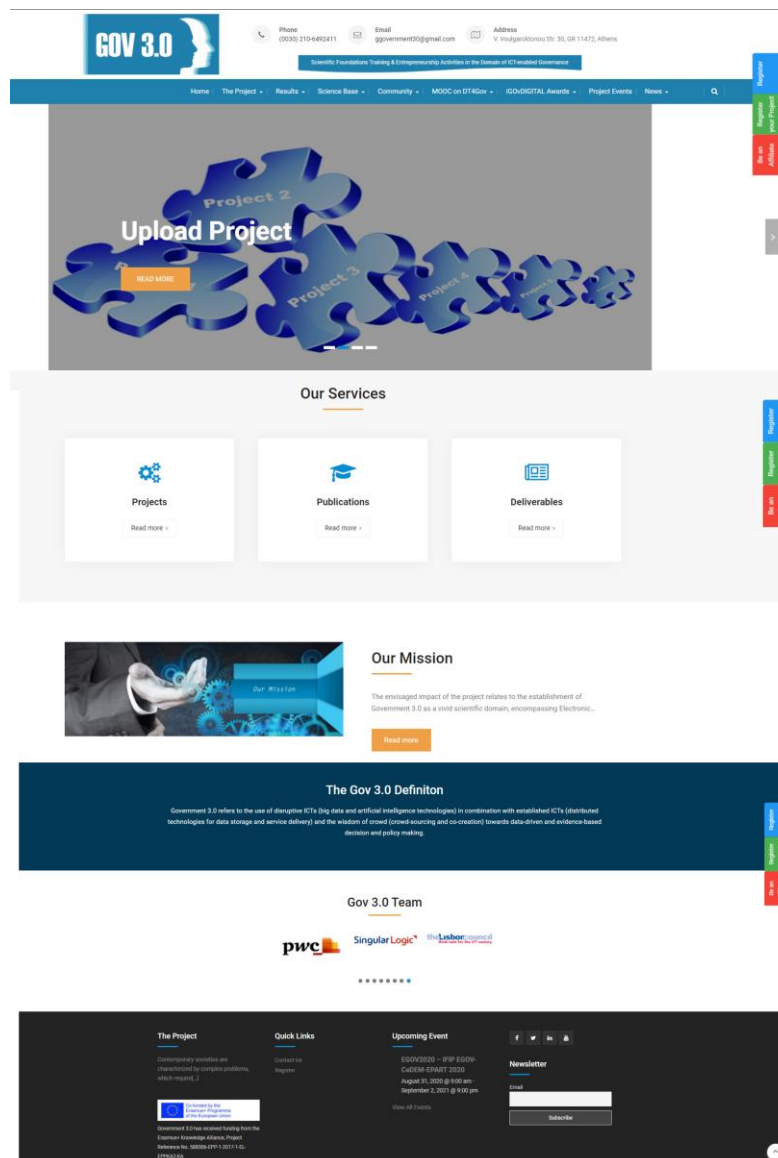
During the course of the project, the structure and especially the content of the Government 3.0 website was subjected to modifications, updates with news, diagrams, graphic material, tech info, downloads, links, etc. During the second year of the project, the website was modified as follows: publications, deliverables and newsletters are shown as subsections of 'The Project' section, not as separate sections. In addition, 'Technological Areas', 'eGovernment Generations' and 'iGovDigital' sections were added. The content of each part of the website was updated, too. During the third and last year of the project, the section 'Outcomes' was added and includes 'Technological Areas', 'eGovernment Generations', 'References' and 'Relative Projects'. The subsection 'Partner Experts' was added to the section 'Community', too. In addition, the sections 'MOOC on Digital Government Transformation', 'iGOvDIGITAL Awards' and 'News' were added. The current structure is presented in the following subsection.

The Top menu of the Government 3.0 website carries the following items that will be outlined in more details subsequently:

- Home
- The Project
  - Our Mission
  - Project Leaflet
  - Publications
  - Deliverables
  - Newsletters
  - Training Needs Questionnaire
- Outcomes
  - Technological Areas
  - eGovernment Generations
  - References
  - Relative Projects
- Community
  - Partners
  - Affiliate Organizations
  - Partner Experts
  - Affiliate Experts
  - Call for Collaboration
- MOOC on Digital Government Transformation
- iGOvDIGITAL Awards

- Introduction
- Entrepreneurial Guidance
- Technological Guidance
- iGOV DIGITAL Awards Results
- Mentors
- Project Events
- News

Figure 1 depicts the current graphism and impression of the Government 3.0 homepage:



**Figure 1: Government 3.0 – Website Home Page**

The project website has been maintained by the University of the Aegean and is based on content and results coming from all Government 3.0 WPs.

The website was used for all dissemination phases. As the project progressed, the published items raised awareness. This was achieved while the website was constantly updated. The website is a tool oriented to all aspects identified for the project, as shown below.

### Home Section

This is the first view of the Government 3.0 website for the user. It has been designed to highlight the importance of the project concerning the use of disruptive ICTs. For this purpose, the Landing page (Figure 2) of the Government 3.0 website presents the provided outputs of our services, the project's mission, the Government 3.0 definition, and the logos of the consortium members. In order to make this section more appealing to visitors and quickly identify the field of research, it has included a slideshow with quick access to the most important pages.



**Figure 2: Government 3.0– LandingPage**

As the entry point to the website, the 'Home' section also includes links to the social network channels to be used in Government 3.0 in order to maximize the impact of project dissemination.

### The Project Section

This area of the Government 3.0 website is divided into six parts or subsections. Each one can be accessed through the pop-up submenus that appear when selecting "The Project" at the menu bar.

In particular, 'the Project' section (Figure 3) presents an overall project description with the definition of the project framework.





Figure 3: Government 3.0 – The Project

## Our Mission Subsection

It defines the project mission and the expected results of Government 3.0 project (Figure 4).

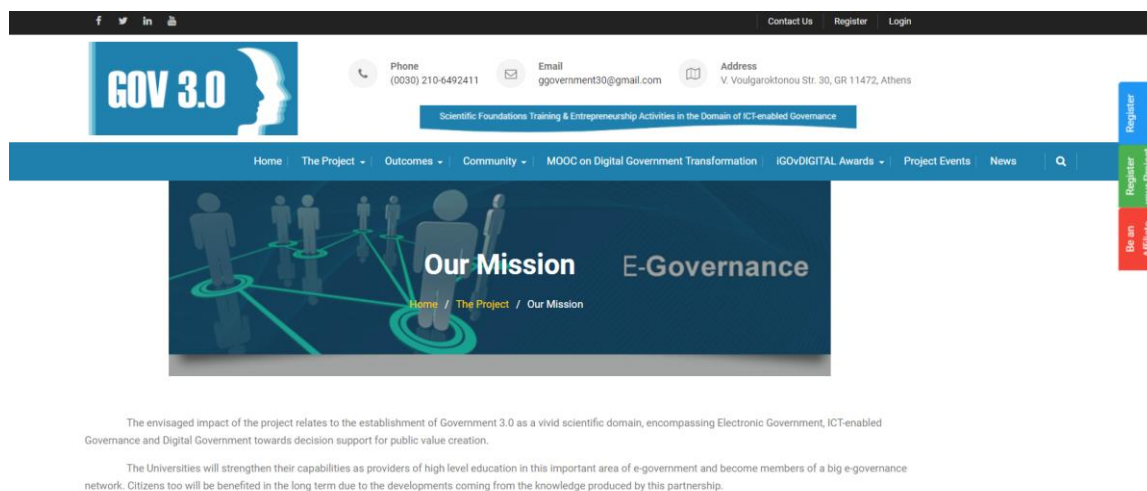


Figure 4: Government 3.0 – Our Mission

## Project Leaflet Subsection

This section presents the project leaflet (Figure 5) in a pdf viewer. The project leaflet was created as a tool to be distributed during conferences, workshops and during general project events. The main objective of the leaflet is to provide a broad base of project audiences with an attractive project overview and a summary of the main project objectives and characteristics.



Figure 5: Government 3.0 – Brochure, front (left) and back (right)

## Publications Subsection

This section of the project website presents different outcomes of the Government 3.0 project (Figure 6). They were updated as new public results were produced.

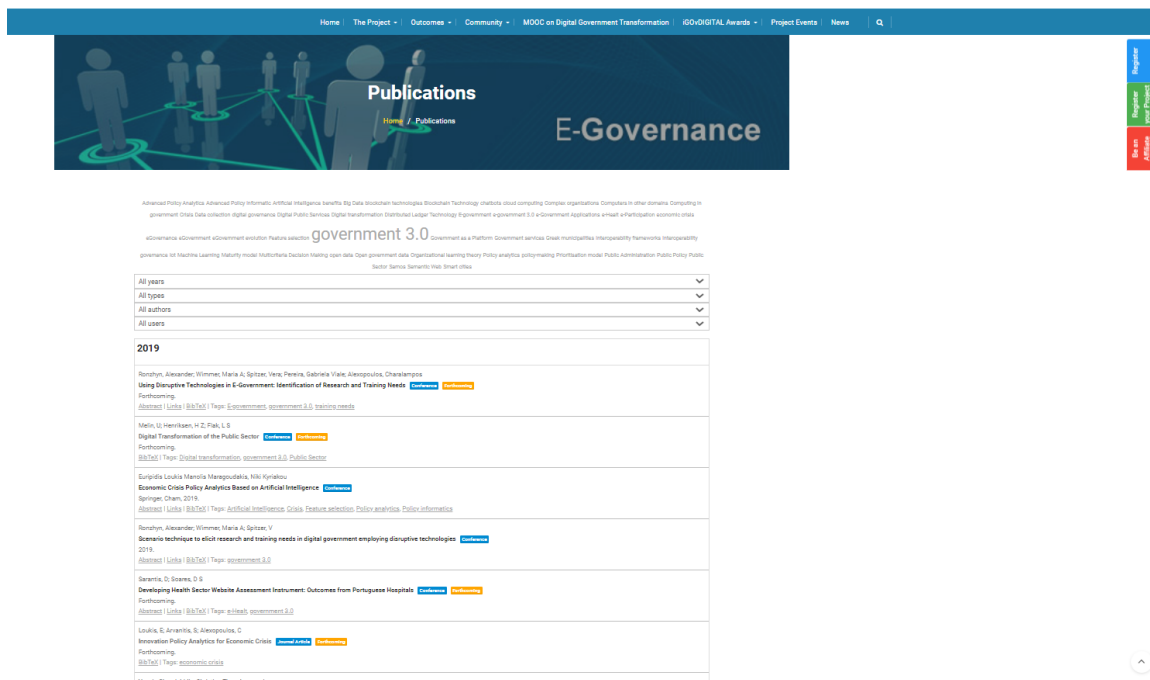



Figure 6: Government 3.0 – Publications



## Deliverables Subsection

This section of the project website presents list of deliverables of the Government 3.0 project, as well as list of supporting document (Figure 7).



**Deliverables**

Home / The Project / Deliverables

**List of Deliverables**

Deliverable	Download/ Visit Link
D1.1: Electronic Governance research and practice worldwide	Download
D1.2: Worldwide training needs on Electronic Governance	Download
D2.1: Government 3.0 roadmap 1st version	Download
D3.1: Pre-graduate programme modules	
D4.1: MOOC for Gov 3.0 1st version	Visit
D7.2: Dissemination Report Y1	Download
D8.1: Quality Assurance Plan	
D9.1: Evaluation Framework	
D9.2: Evaluation Report 1	
D10.1: Project Plan	


**List of Supporting Documents**

Supporting Document	Download/ Visit Link
WP1: Work Plan	
WP1: Gov 3.0 References	
WP1: Workshop Report ICEGOV 2018	
WP1: Training Programs	

Figure 7: Government 3.0 – Deliverables

## Newsletters Subsection

Newsletters (Figure 8) were developed to share updates about the Government 3.0 project and highlight milestones, outcomes, and upcoming events. The newsletters were issued as described in section 3.2.4.6.



**Newsletters**

Home / The Project / Newsletters

**2020**

- May 2020
- June 2020
- July 2020
- August 2020
- September 2020
- October 2020

Figure 8: Government 3.0 – Newsletter

## Training Needs Questionnaire Subsection

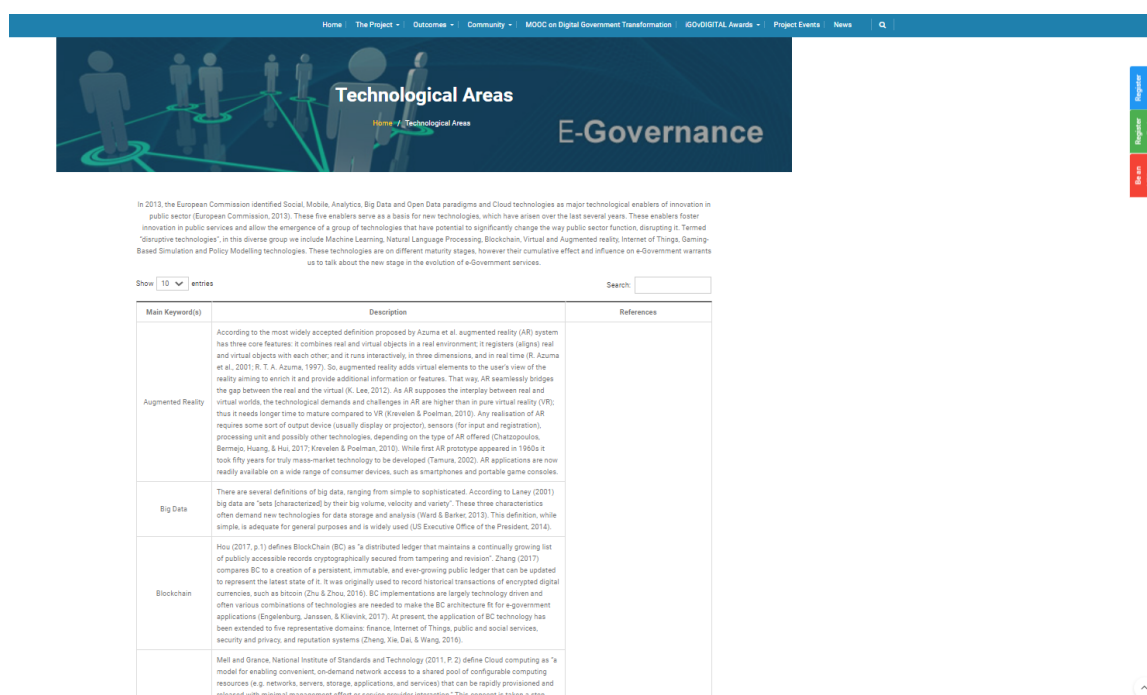
This section redirects users to the Government 3.0 questionnaire which has been provided by the QuestionPro (questionpro.com). The questionnaire was conducted in order to identify the most relevant and innovative content for a master degree based on the needs and requirements in eGovernance field and the results will draw a general portrait of the current eGovernance training needs.

## Outcomes Section

This area of the Government 3.0 website is divided in four parts or subsections. Each one could be accessible through the pop-up submenus that appear when selecting “Outcomes” at the menu bar.

## Technological Areas Subsection

This section describes the technological areas, such as Augmented Reality, Big Data, Blockchain, Cloud Computing, Community Awareness Platforms etc., which allow the public sector to change the way it functions, as well as promoting innovations (Figure 9).



In 2013, the European Commission identified Social, Mobile, Analytics, Big Data and Open Data paradigms and Cloud technologies as major technological enablers of innovation in public sector (European Commission, 2013). These five enablers serve as a basis for new technologies, which have arisen over the last several years. These enablers foster innovation in public services and allow the emergence of a group of technologies that have potential to significantly change the way public sector function, disrupting it. Titled “disruptive technologies”, in this diverse group we include Machine Learning, Natural Language Processing, Blockchain, Virtual and Augmented reality, Internet of Things, Gaming-Based Simulation and Policy Modeling technologies. These technologies are on different maturity stages, however their cumulative effect and influence on e-Government warrants us to talk about the new stage in the evolution of e-Government services.

Main Keyword(s)	Description	References
Augmented Reality	According to the most widely accepted definition proposed by Azuma et al., augmented reality (AR) system has three core features: it combines real and virtual objects in a real environment; it registers (aligns) real and virtual objects with each other; and it runs interactively, in three dimensions, and in real time (R. Azuma et al., 2001; R. T. A. Azuma, 1997). So, augmented reality adds virtual elements to the user's view of the reality aiming to enrich it and provide additional information or features. That way, AR seamlessly bridges the gap between the real and the virtual (K. Lee, 2012). As AR supposes the interplay between real and virtual worlds, the technological demands and challenges in AR are higher than in pure virtual reality (VR); thus it needs longer time to mature compared to VR (Krevelen & Poelman, 2010). Any realization of AR requires some sort of output device (usually display or projector), sensors (for input and registration), processing unit and possibly other technologies, depending on the type of AR offered (Chatzopoulos, Bermajo, Huang, & Hui, 2017; Krevelen & Poelman, 2010). While first AR prototype appeared in 1960s it took fifty years for truly mass-market technology to be developed (Tamura, 2002). AR applications are now readily available on a wide range of consumer devices, such as smartphones and portable game consoles.	
Big Data	There are several definitions of big data, ranging from simple to sophisticated. According to Laney (2001) big data are “sets (characterized by their big volume, velocity and variety)”. These three characteristics often demand new technologies for data storage and analysis (Ward & Barker, 2013). This definition, while simple, is adequate for general purposes and is widely used (US Executive Office of the President, 2014).	
Blockchain	Hou (2017, p. 1) defines Blockchain (BC) as “a distributed ledger that maintains a continually growing list of publicly accessible records cryptographically secured from tampering and revision”. Zhang (2017) compares BC to a creation of a persistent, immutable, and ever-growing public ledger that can be updated to represent the latest state of it. It was originally used to record historical transactions of encrypted digital currencies, such as bitcoin (Zhu & Zhou, 2016). BC implementations are largely technology driven and often various combinations of technologies are needed to make the BC architecture fit for e-government applications (Engelenburg, Janssen, & Kriwink, 2017). At present, the application of BC technology has been extended to five representative domains: finance, Internet of Things, public and social services, security and privacy, and reputation systems (Zhang, Xia, Dai, & Wang, 2016).	
	Mail and Grace, National Institute of Standards and Technology (2011, P.2) define Cloud computing as “a model for enabling convenient, on-demand network access to a shared pool of configurable computing resources (e.g. networks, servers, storage, applications, and services) that can be rapidly provisioned and released with minimal management effort or service provider interaction.” This concept is taken a step	

Figure 9: Government 3.0– Technological Areas

## eGovernment Generations Subsection

This section characterizes and describes the three generations of Digital Government (Figure 10).

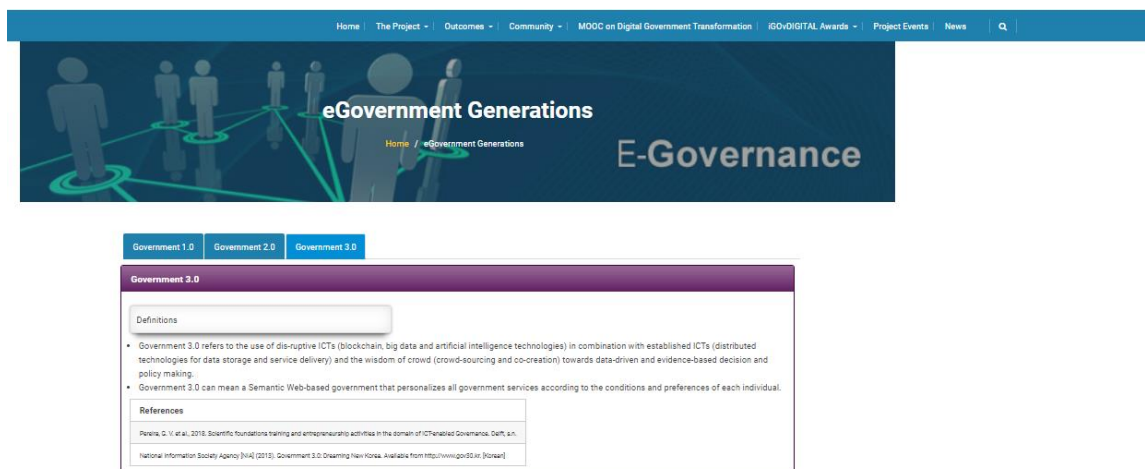


Figure 10: Government 3.0 – eGovernment Generations

## References Subsection

References related to Technological Areas are indicated according to the Figure 11.

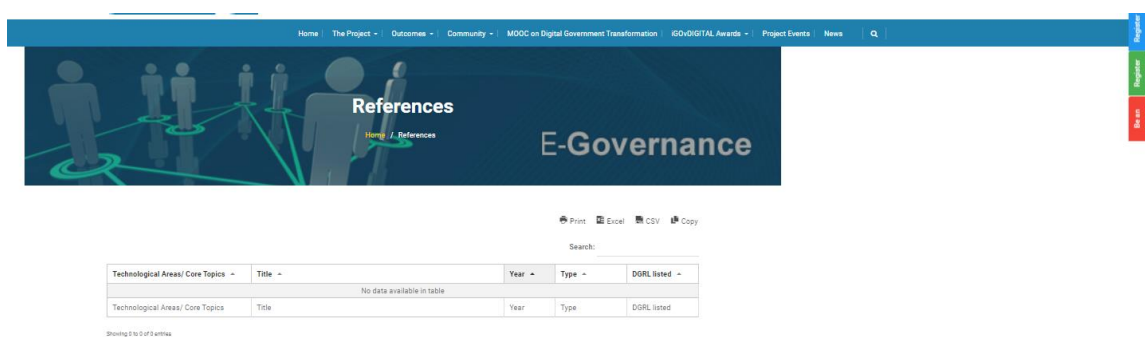


Figure 11: Government 3.0 – References

## Relative Projects Section

This section presents the affiliate projects which responded to the call of the subsection “Call for Collaboration” (Figure 12).

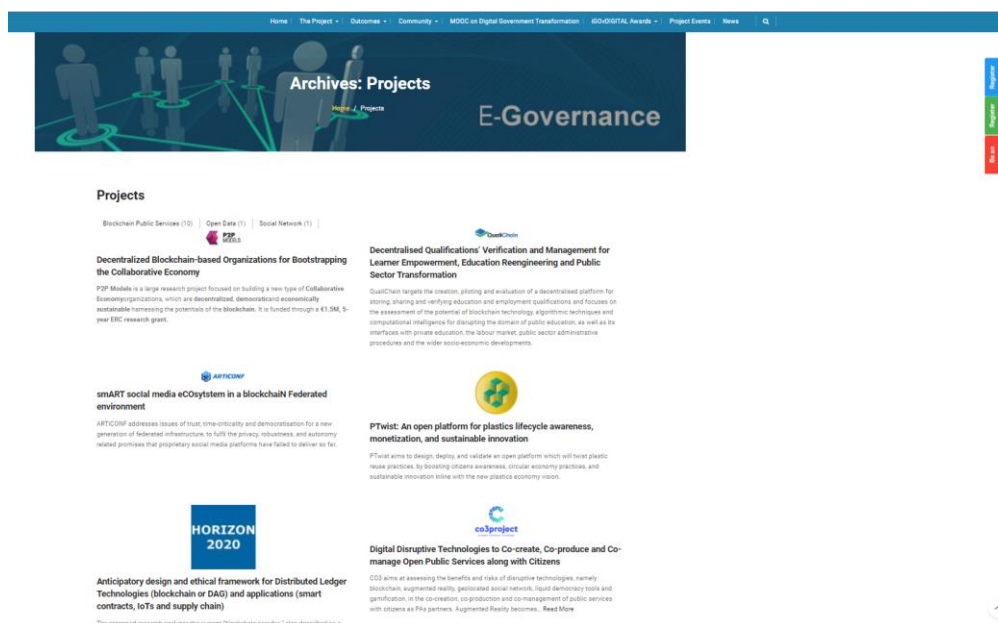


Figure 12: Government 3.0– Relative Projects

## Community Section

This area of the Government 3.0 website is divided in five parts or subsections. Each one could be accessible through the pop-up submenus that appear when selecting “Community” at the menu bar.

In particular, in this section users can view all Government 3.0 website members and a map which represents the city of all members (Figure 13).

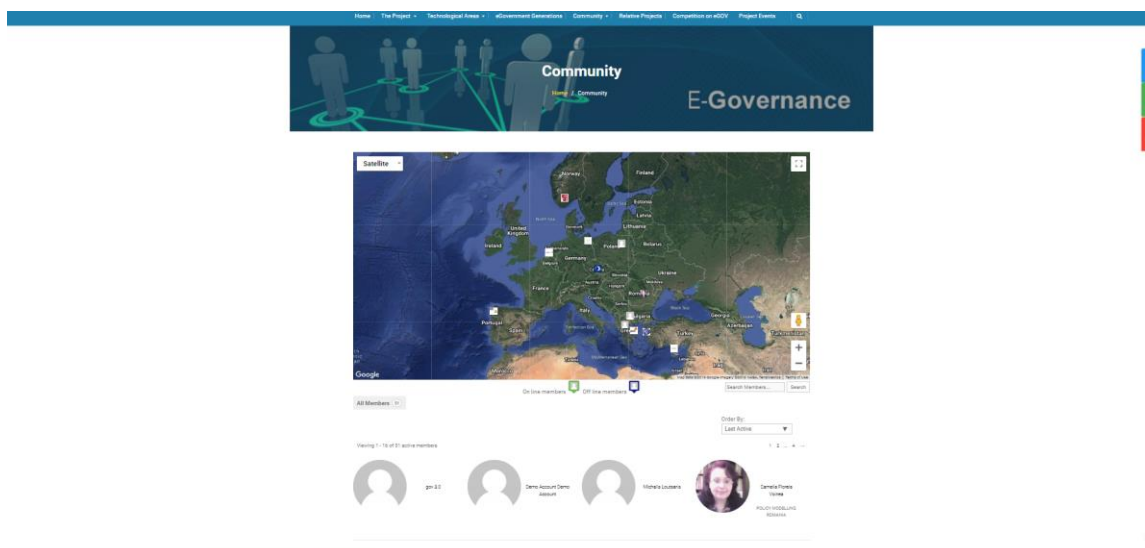


Figure 13: Government 3.0– Community

## Partners Subsection

This section presents only the partners of Government 3.0 projects in the same output as the previous section.

## Affiliate Organizations Subsection

This section presents the affiliate organizations of Government 3.0 projects in the same output as the previous section.

## Partners Experts Subsection

This section presents the partners experts of Government 3.0 projects in the same output as the previous section.

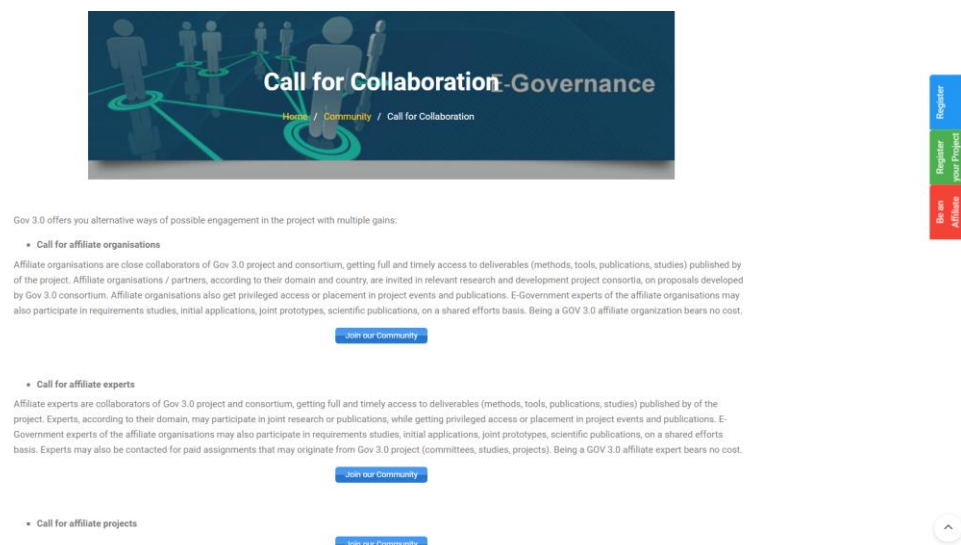
## Affiliate Experts Subsection

This section presents the affiliate experts of Government 3.0 projects in the same output as the previous section.

## Call for Collaboration Subsection

This section provides three alternatives ways of possible engagement in the Government 3.0 project with multiple gains (Figure 14).

- Call for affiliate organizations
- Call for affiliate experts
- Call for affiliate projects



**Figure 14: Government 3.0 – Call for Collaboration**

## MOOC on Digital Government Transformation Section

In this subsection there are the details of the MOOC on Digital Government Transformation. The Digital Government Transformation MOOC was created by the Gov3.0 ERASMUS+ Knowledge Alliance project and incorporates open lessons both on pre- and post- graduate level that offer to participants the opportunity to study high quality courses online.

The Digital Government Transformation MOOC runs on Moodle Platform and there is a link on the website <https://moodle.gov30.eu/> that connects you directly to the Course. (Figure 15)

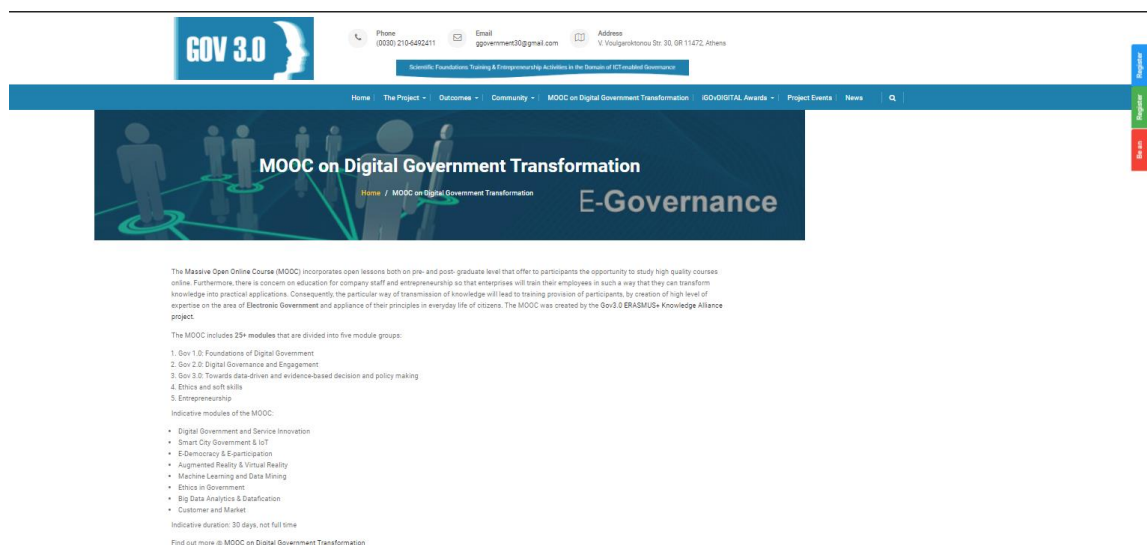


Figure 15: Government 3.0– MOOC on Digital Government Transformation

## iGOvDIGITAL Awards Section

During the competition, the site was updated in such a way to provide all the necessary information to participants. After the competition ends the site was updated for second time, this time, to provide all the information for the ideas of the winning teams. Since the D7.3 Dissemination Report Y2 presents the first update of the website, on this deliverable the final update is presented.

## Introduction Subsection

In this subsection there are the details of the competition on eGov ideas whose aim was to find the best new apps or technological ideas that we could help scale into businesses (Figure 16). The competition leaflet is provided at ANNEX B.

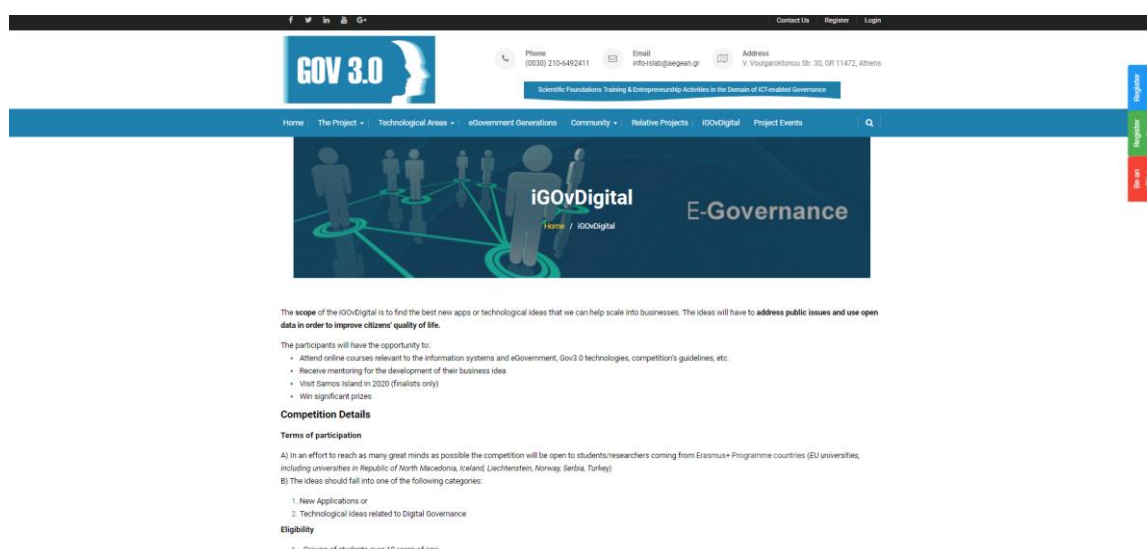


Figure 16 Government 3.0– iGOvDIGITAL Awards

## Entrepreneurial Guidance Subsection

Entrepreneurial guidance in the form of informative videos is provided to the participants in this subsection. The material has been created by the Gov3.0 project experts and could be accessed after registration. (Figure17)

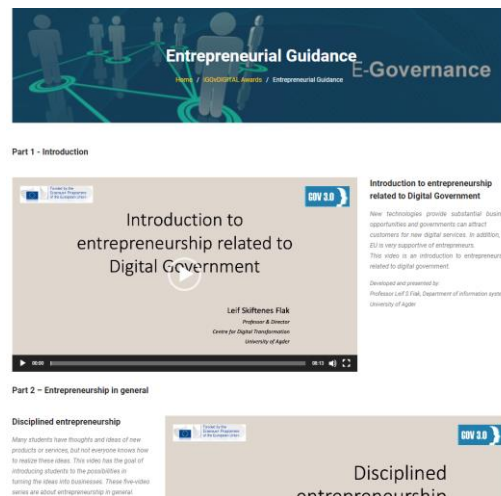


Figure 17: Government 3.0– iGOvDIGITAL Awards Entrepreneurial Guidance

### Technological Guidance Subsection

Training material in the form of informative videos is provided in this subsection explaining the technological advancements of the domain to the participants. The material has been created by the Gov3.0 project experts and could be accessed after registration. (Figure 18)

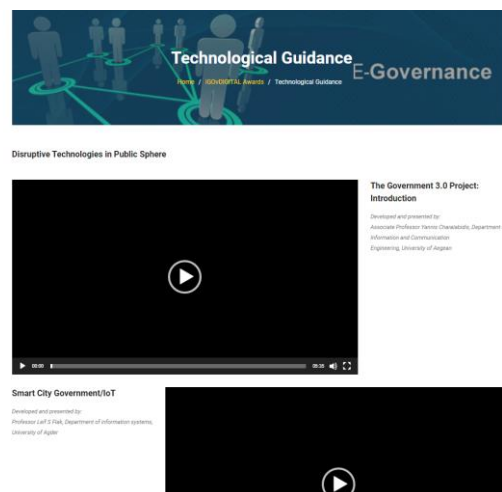


Figure 18: Government 3.0– iGOvDIGITAL Awards Technological Guidance

### iGOv DIGITAL Awards Results Subsection

The winning teams are presented in this section. Information concerning the winning ideas is presented, including the ideas' titles, abstracts along with the members of the winning teams (Figure 19).



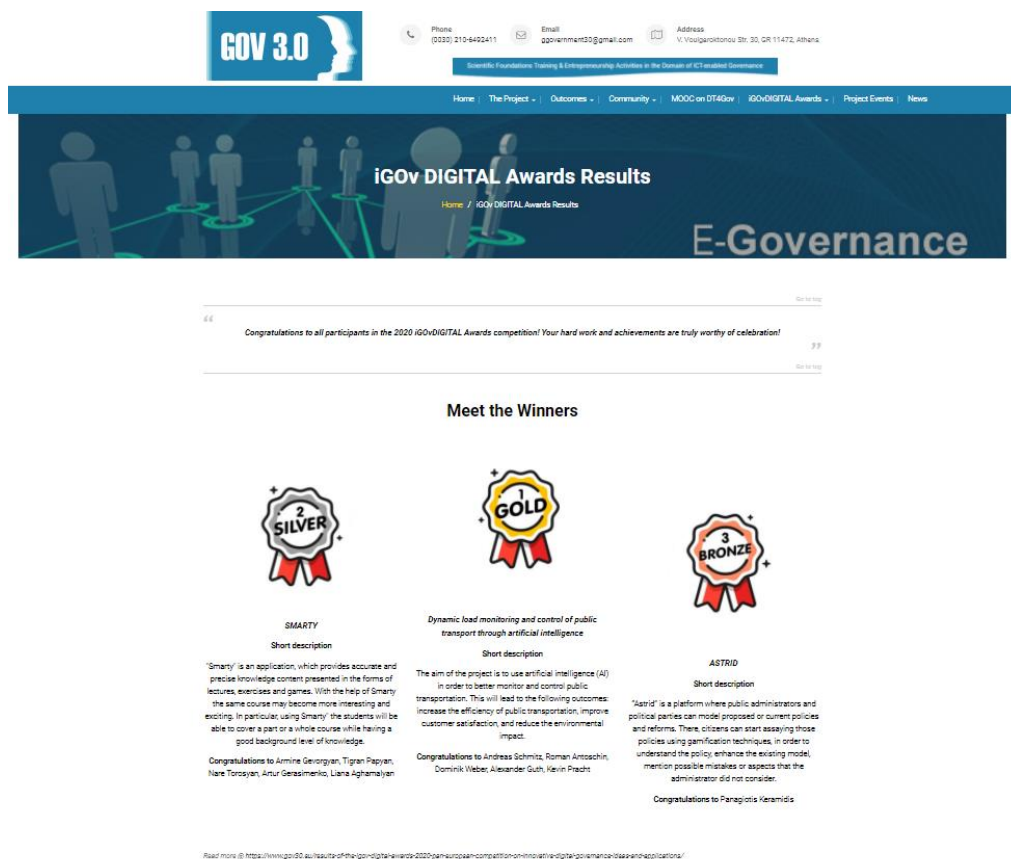


Figure 19: Government 3.0 – iGovDIGITAL Awards Winners

## Mentors Subsection

In this subsection anyone can meet the mentors of the competition, their golden paragraphs, and their LinkedIn account (Figure 20).

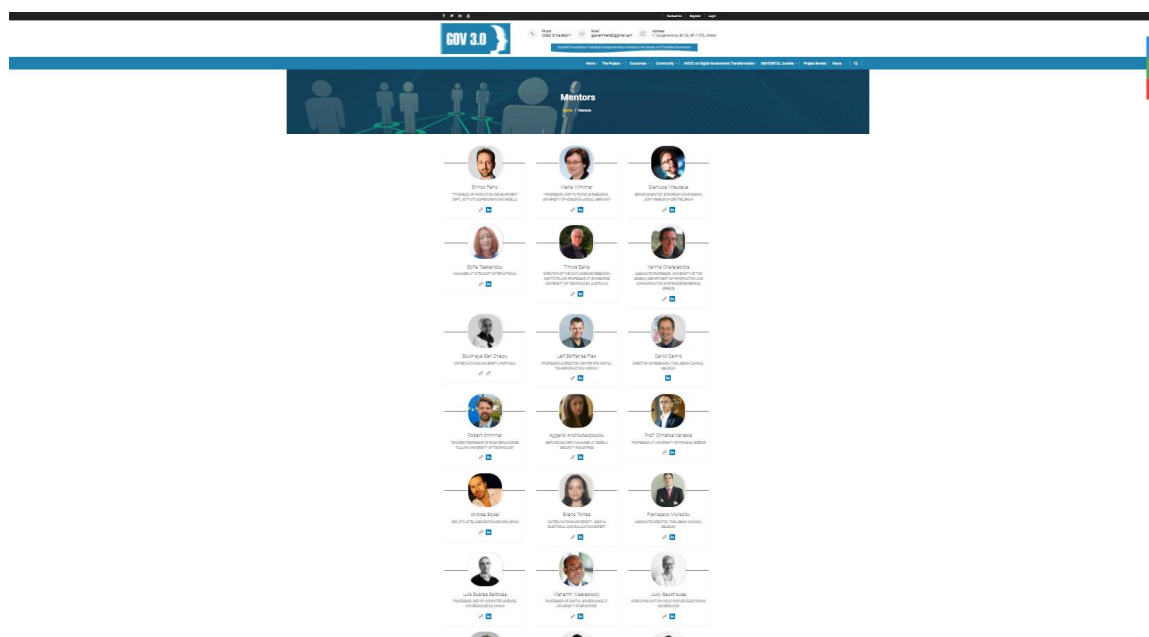


Figure 20: Government 3.0 – iGovDIGITAL Awards Mentors



## Project Events Section

This section provides information about the events related to eGovernment, especially those events in which Government 3.0 participated (Figure 21). Each of the events included its title, date, place and a brief description. A link to the event is also provided and links to any download material has been also included. This was constantly updated in accordance with the events shown in Table 5: Events with Government 3.0 Participation.

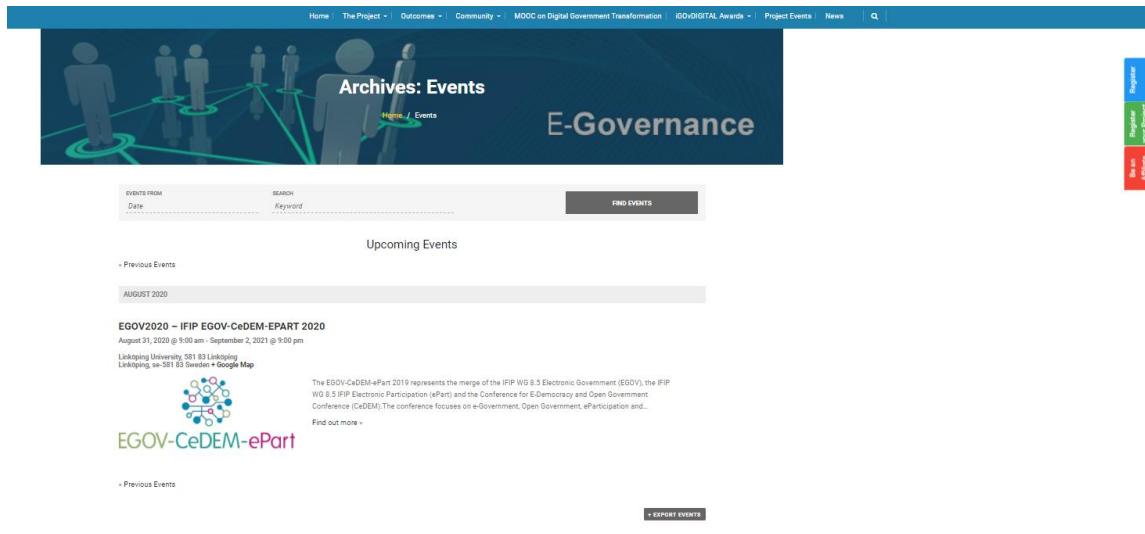


Figure 21: Government 3.0– Project Events

## News Section

This section keeps you updated with regard to all the latest news for the projects (such as invitation, press releases, call for participation etc.) as depicted in Figure 22.

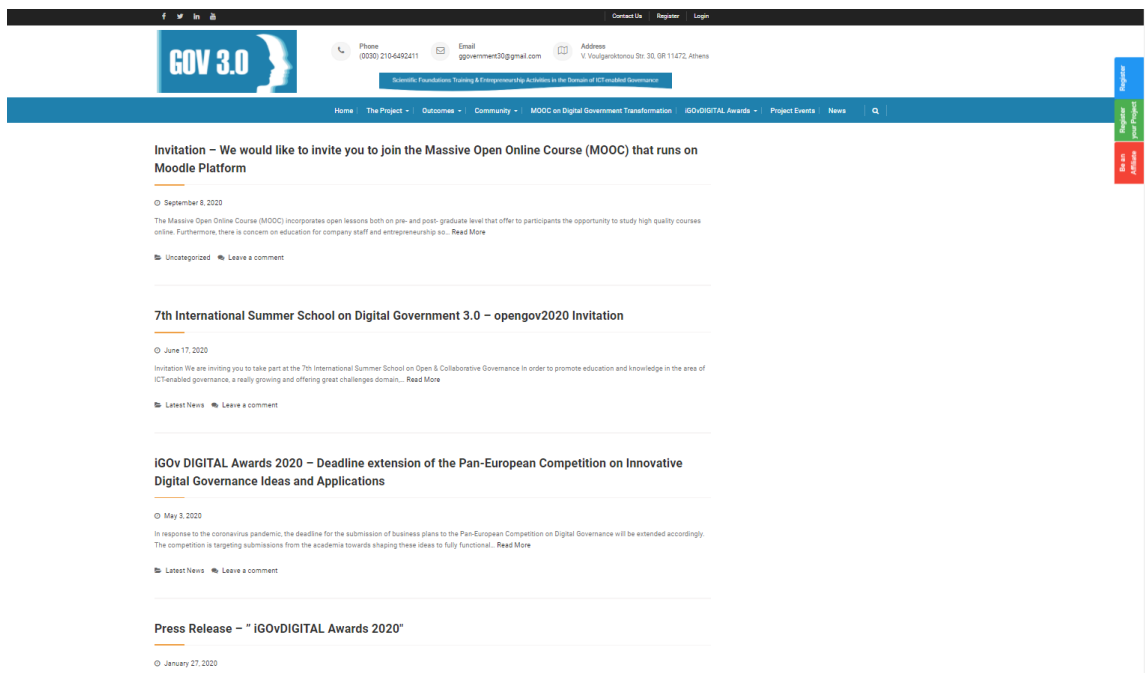


Figure 22: Government 3.0– News

### 3.2.3.2 Social Media Presence

Facebook, Twitter, and LinkedIn groups were established by the University of the Aegean-Research Unit and PwC has handled them. Content creation on the Government 3.0 social media groups are open to all project partners, but also to the Government 3.0 Group members. Membership in the group is open to individuals who request from the owner to join the group. The intention is to make this group as open as possible.

The Government 3.0 Facebook and Twitter group is named: "Gov3.0" while LinkedIn's group "Government 3.0". The number for the total followers on all the social media channels is 1.107. The Twitter account has 761 followers, the Facebook account has 115 followers, the LinkedIn account has 231 followers and on Researchgate 39 followers.

The social media links are provided below:

Twitter account: [https://twitter.com/Government\\_30](https://twitter.com/Government_30)

Facebook page: <https://www.facebook.com/Government30/>

LinkedIn Group: <https://www.linkedin.com/company/government30>

Research Gate: <https://www.researchgate.net/project/GOV-30-Scientific-Foundations-Training-and-Entrepreneurship-in-the-domain-of-ICT-enabled-Governance>

Facebook, Twitter, and LinkedIn were used in all phases of project dissemination. At the outset were used for awareness-raising. But as the project moved forward this platform was used for improving understanding. The interested parties were informed about the project results.

One of the core objectives of using social media was to interact with researchers practitioners in the field of eGovernment. Government 3.0 planned to use social media to reach all identified channels, but in particular with the academic and practitioners channels.

### 3.2.4 Other Dissemination Activities and Communication Tools

#### 3.2.4.1 Google Drive

The document repository (Google Drive) was established in October 2017 at: <https://drive.google.com/drive/u/1/folders/0B3y4zVogK3zVZTd4dIFhaU8tVTQ>

The Government 3.0 repository is structured according to:

- 01 Templates/Logos
- 02 Administration
  - Consortium Agreement
    - CA- Signed
    - Track Files
  - Description of Work
  - Grant Agreement
  - Guides
  - Interim Report
  - Project Expenses (proof)
- 03 Deliverables
  - 00. Work Plans
    - WP2 scenario templates
  - 01. Initial Deliverables

- Workshop reports
  - WP1\_TrainingPrograms
  - WP2\_FinalforReview
  - WP3\_D3.1\_Final
  - WP4 MOOC
  - WP5 Contest
  - WP5.1 Entrepreneurship courses
- 02. Peer Reviews
  - Deliverable 1.x
  - Deliverable 2.x
  - Deliverable 3.x
  - Deliverable 7.x
  - Deliverable 9.x
  - Deliverable 10.x
- 03. Final Deliverables
- 04 Meetings
  - 2<sup>nd</sup> Project Meeting – Samos.2018.07
  - Kick off
    - Agenda
    - Pictures
    - Presentations
  - Project Meeting Krems 2019
    - Presentations
- 05 Events
  - 2018-Dgo-Poster
  - 2018-EGOV-CeDEM-ePart-Workshop
  - 2018-NEGZ-Herbsttaggung-Workshop
  - 2018-Samos-Summit-Workshops(5)
  - 2018-Summer-School
  - 2019-HICSS-Minitrack
  - 2019-ICEGOV-Workshop
- 06 Dissemination Material
  - Community
  - Competition
  - Logos
  - Presentations
  - Publications
- iGovDigital
- Library

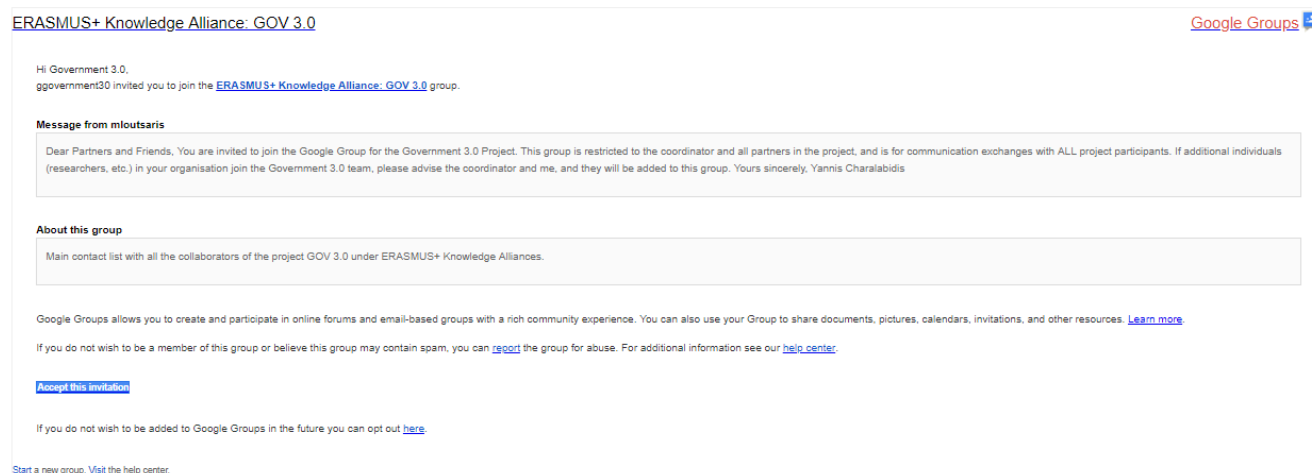
Of particular relevance for dissemination purposes were photos, presentations, and material content (meeting minutes, deliverables, etc.)

### 3.2.4.2 Government 3.0 Google Group

A Google Group called “ERASMUS+ Knowledge Alliance: GOV 3.0” was set up at: <https://groups.google.com/forum/#!forum/erasmus-gov3>

This Google Group enables the posting of emails and saving of messages in one shared location. The group was set up by the University of the Aegean. It has been administered by the University of the Aegean, and all individuals participating in the project received all emails sent to this group (Figure 23).

From: ERASMUS+ Knowledge Alliance: GOV 3.0 <erasmus-gov3+noreply@googlegroups.com>  
Sent: Tuesday, December 4, 2018 11:49 PM  
To: ggovernment30@gmail.com  
Subject: Invitation to join ERASMUS+ Knowledge Alliance: GOV 3.0



ERASMUS+ Knowledge Alliance: GOV 3.0

Hi Government 3.0,  
ggovernment30 invited you to join the [ERASMUS+ Knowledge Alliance: GOV 3.0](#) group.

**Message from mloutsaris**

Dear Partners and Friends, You are invited to join the Google Group for the Government 3.0 Project. This group is restricted to the coordinator and all partners in the project, and is for communication exchanges with ALL project participants. If additional individuals (researchers, etc.) in your organisation join the Government 3.0 team, please advise the coordinator and me, and they will be added to this group. Yours sincerely, Yannis Charalabidis

**About this group**

Main contact list with all the collaborators of the project GOV 3.0 under ERASMUS+ Knowledge Alliances.

Google Groups allows you to create and participate in online forums and email-based groups with a rich community experience. You can also use your Group to share documents, pictures, calendars, invitations, and other resources. [Learn more](#).

If you do not wish to be a member of this group or believe this group may contain spam, you can [report](#) the group for abuse. For additional information see our [help center](#).

[Accept this invitation](#)

If you do not wish to be added to Google Groups in the future you can opt out [here](#).

[Start](#) a new group. [Visit](#) the help center.

**Figure 23: Government 3.0 – Google Group Invitation**

### 3.2.4.3 Government 3.0 Google Spreadsheet

A Google spreadsheet was set up to allow all partners to see and contribute in real time to the process of planning and tracking WP activities and was established in November 2017 at: <https://docs.google.com/spreadsheets/d/1RiN7WwZiBZEO2G1ACELhHPBIHuKYuNziVJtWPE08lmc/edit#gid=26>

The Government 3.0 Spreadsheet is structured according to:

- Files
- Partners
- MOOC Specifications
- Members
- Workpackages
- Tasks
- Indicators
- Deliverables
- GOV 3.0 References
- GOV 3.0 Connected Projects
- Targeted Conferences
- Mailing List
- Project Publications

- Milestones
- Samos 2018
- GOV3.0 Representati
- Keywords/ Hashtags
- Total effort (WP/Partner)
- Training Programs
- GOV3.0 Representatives
- Publications Plan
- Proposals
- Gov 3.0 Affiliate Experts
- Gov 3.0 Affiliate Organisations
- Evaluation Comments
- MOOC Videos
- Opengov2019-Student projects
- Training Programs
- Keywords/Hashtags
- Logs

Of particular relevance for dissemination purposes were Targeted Conferences, Project Publications, Keywords/Hashtags, etc. All partners could see the planning: all partners could add dissemination activities (events, presentation or publications) to the planning. This Google spreadsheet was being updated regularly and also reflected the state of planned dissemination activities.

#### 3.2.4.4 Project Logo

**The Project Logo** is the main graphic identity element and the key to build a successful graphic identity as well as an effective logotype. It was used in all graphic material and documents related to the project. The logo has been designed as a part of WP7, considering three main aspects:

- **Symbol:** The logo should be clear, capture the attention and should communicate the main concepts of Government 3.0.
  - A shape representing people that express participation, collaboration, in order to visualise strong connection with the aim of the project.
- **Colour:** Colours have been used to get a professional image. Main colours used are: blue and white. Blue communicates: calmness, friendliness, and is considered as a corporate colour. White communicates: calmness, balance, harmony.
- **Font:** The font communicates the idea of proximity to people.

Three different versions of the Government 3.0 logo were designed by the University of the Aegean (Table 6):

- One comprising of only the graphic representation of the project.
- One in portrait layout containing the graphic representation with the full project title below the portrait.
- One in curved portrait layout containing the graphic representation and the full project title on the top of the portrait.

**Table 6: Government 3.0 Logo Versions**

	<p>Scientific foundations training and entrepreneurship activities in the domain of ICT-enabled Governance</p> 
<p>Scientific foundations training and entrepreneurship activities in the domain of ICT-enabled Governance</p> 	

The **iGovDigital Logo** was created for the competition for entrepreneurship in the domain of Digital Government which was held during the project (see Table 7). The purpose of the competition was to find the best new apps or technological ideas that we could help scale into viable businesses and address public services issues improving the citizens' quality of life.

**Table 7: iGovDigital Logo**


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### 3.2.4.5 Project Presentation

A Government 3.0 Project Presentation was an integral part of the different dissemination tools designed to support the project's dissemination efforts. This task included the production/design of the project's presentation template and a project presentation. The template was used in all events and meetings where Government 3.0 results and activities are presented. It has been designed following the graphic identity guidelines to facilitate the recognition of the project.

The Government 3.0 project power point presentation provides a general project overview, background information, objectives, rationale, partners and first results. This presentation (Figure 24) was updated during the course of the project.

The Government 3.0 presentation was produced at the outset of the project, primarily as a dissemination phase tool, and was updated throughout the project lifetime. It was appropriate for use with all target channels. It was produced in an electronic format only.

The master project presentation was created by the University of the Aegean. Updates for dissemination purpose were needed, so we proceeded on necessary modifications and amendments during the first year. The relevant presentation is shown in Figure 25.

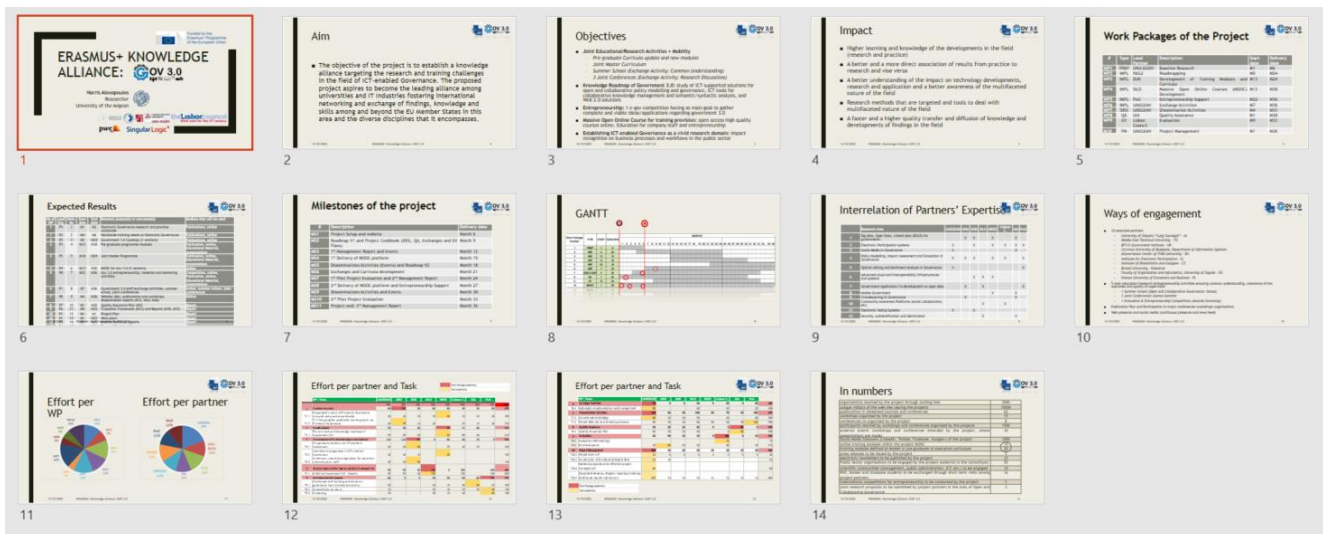


Figure 24: Government 3.0 – Presentation Template



Figure 25: Government 3.0 – Presentation Template Updated



### 3.2.4.6 Project Newsletter

The Government 3.0 newsletter offered an appropriate means to carry out direct proactive communications to the targeted stakeholders, the European Commission, researchers in eGovernment matters, potential interested investors, Governmental authorities and the wide range of citizenship.

The first Government 3.0 newsletter was issued in March 2018. It informed about:

- Dates, details, comments on project, related conferences, meetings, events and publications
- Call for collaboration
- Upcoming events
- Government 3.0 highlights

The second newsletter was issued in December 2018. It informed about:

- Government 3.0 achievements
- Related projects
- Call for collaboration
- Upcoming events
- Government 3.0 highlights

The third newsletter was issued in April 2019. It provided information about:

- The Samos Summit “Government 3.0”
- OpenGOV2019: Summer School on Government 3.0

The fourth newsletter was issued in May 2019. It provided information about:

- The 9th Samos 2019 summit On ICT-enabled Governance
- The 6th International Summer School on Government 3.0
- Upcoming events
- Call for collaboration

The fifth newsletter was issued in October 2019. It provided information about:

- iGovDigital - Competition on eGOV Ideas
- Competition Details
- Criteria for the evaluation of proposals
- Awards

The sixth newsletter was issued in December 2019. It provided information about:

- Pan-European Competition on Digital Governance Ideas
- Idea Submission Deadline: 6<sup>th</sup> of January 2020
- Competition Details
- Criteria for the evaluation of proposals
- Awards

The seventh newsletter was issued in May 2020. It provided information about:

- Pan-European Competition on eGovernment Ideas
- iGOvDIGITAL Awards 2020, Deadline extension due to Coronavirus Pandemic
- What is new
- New Prizes
- OpenGOV Summer School on Government 3.0, opengov2020, 13-17 July
- The 10th Samos 2020 Summit On ICT-enabled Governance

The eighth newsletter was issued in December 2018. It informed about:

- Government 3.0 achievements
- Related projects
- Call for collaboration
- Upcoming events
- Government 3.0 highlights

The ninth newsletter was issued in April 2019. It provided information about:

- The 10th Samos 2020 Summit on “on ICT-Enabled Governance”
- OpenGOV2020: Summer School on Government 3.0
- iGovDigital - Competition on eGOV Ideas
- On the scientific foundations of Digital Governance and Transformation Book Call for proposals

The tenth newsletter was issued in May 2019. It provided information about:

- The 10th Samos 2020 Summit on “on ICT-Enabled Governance”
- OpenGOV2020: Summer School on Government 3.0
- Upcoming events
- Call for collaboration

The eleventh newsletter was issued in October 2019. It provided information about:

- iGovDigital – Results
- On the scientific foundations of Digital Governance and Transformation Book Call for proposals
- News

The twelfth newsletter was issued in December 2019. It provided information about:

- The end of the Government 3.0 project – Outcomes
- Government 3.0 Publications
- Upcoming events

#### **3.2.4.7 Project Brochure**

The first version of the brochure was completed during the month 3 of the project and can be seen in Annex A in higher resolution than in Figure 5. The brochure was prepared in an electronic format. The relevant link is the following: <https://www.gov30.eu/theproject/project-leaflet/>. For some events it was produced in a printed format. The Government 3.0 leaflet was prepared within WP7 activities. The initial brochure was primarily a tool for phase 1 (raising awareness) that could be used during all phases of the project.

#### **3.2.4.8 iGOvDIGITAL Awards**

The aim of the competition on eGov ideas was to find the best new apps or technological ideas that we could help scale into businesses. The ideas had to address public issues and use new and disruptive technologies, such as Artificial Intelligent or Blockchain combined with big, open and linked data in order to improve public sector efficiency and citizen's quality of life. Further information about the competition, such as competition prizes, is provided at: <https://www.gov30.eu/entrepreneurshipcompetition/introduction/>. The competition leaflet is provided at ANNEX B as well.

### 3.2.4.9 Project Press Releases

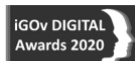
During the Government 3.0 project, five press releases were issued. The first (Figure 26) concerned the Summer School 2019. The second, third, and forth informed about iGov DIGITAL Awards 2020 (Figure 27), its deadline extension (Figure 28) and the results of the competition (Figure 29).

Finally, the last presented Press Release concerned the development MOOC (Figure 30).



Figure 26: Government 3.0 – Press Release of our Summer School on Digital Government 3.0

All the above-mentioned Press Releases were disseminated through the Gov3.0 project's website. In addition to these Press Releases, each University partner issued its 3 more concerning the Samos Summit and the Summer School. The template used for all of them can be found in the Figure 31.



## Press Release

### Pan-European Competition on Innovative Digital Governance Ideas and Applications → iGOV DIGITAL Awards 2020 ←

We are happy to announce the [Pan-European Competition on Digital Governance](#) Innovative Ideas and Applications in the domain of ICT-enabled Governance. The competition is targeting submissions from both the public and the private sector towards altering the ideas to fully functional products at entrepreneurial level. The awards ceremony will be held in Samos, during 29 June – 03 July 2020, in conjunction with the [7th International Summer School on Digital Government 3.0 - opengov2020](#). The Pan-European Competition on Digital Governance Ideas is organized by the [Gov3.0 ERASMUS+ Knowledge Alliance project](#).

#### Scope

The scope of the competition is to find the best new applications or technological ideas that we can help scale into businesses.



The ideas will have to address public sector challenges & issues utilizing new and disruptive technologies, such as Artificial Intelligent or Blockchain combined with big, open and linked data in order to improve public sector efficiency and citizen's quality of life in general.

Specifically, the ideas should fall into one of the following categories:

- new applications or
- technological ideas related to Digital Governance that can be scaled into businesses

The competition refers to students/researchers over 18. The [submission period is now open](#) for all participants.

#### Terms of Participation & Eligibility

[In an effort](#) to reach as many great minds as possible the competition will be open to students/researchers coming from Erasmus+ Programme countries<sup>1</sup>. Eligible are:

1. Groups of students and researcher over 18 years of age
2. Proposal submitted in the English language

<sup>1</sup>EU universities, including universities in Republic of North Macedonia, Iceland, Liechtenstein, Norway, Serbia, Turkey

Funded by the ERASMUS+ Knowledge Alliance



#### Criteria for the evaluation of proposals

The proposals will be evaluated based on a set of 5 criteria that will assess the proposed idea based on (a) Innovation: the degree of new and original Digital Governance idea/ application creation, (b) The accessibility of the outcome of the proposal either by citizens or/and public sector users, (c) Economic viability, (d) Impact and scalability and (e) Team capacity: How well suited is the team to make it happen.

#### Timeline and Important Dates

- Preliminary Application – Round A: Deadline 6 January 2020
- Notification of acceptance – Round A: 31 January 2020
- Preliminary Application – Round B: Deadline 15 March 2020
- Notification of acceptance – Round B: 31 March 2020
- Mentoring Phase – Round A: 01 February 2020 until 20 April 2020
- Mentoring Phase – Round B: 01 April 2020 until 20 April 2020
- Final Submission: 20 April 2020
- Notification of final nominees: 30 April 2020
- Awards Ceremony: July 2020 during opengov2020 summer school

In its current state the competition is at the Preliminary Application of Round B stage. According to the timeline the participants should upload their initial proposal (500 – 1,000 words) by 15/03/2020 and the eligible participants will be informed by 31/03/2020. The eligible participants will receive mentoring [so as to resubmit their final proposals \(10 paper based on a template\)](#) until 20/04/2020. The nominees will be revealed & informed by 30/04/2020.

#### iGOV DIGITAL Prizes

1. Free participation in the opengov2020 summer school.
2. Travel costs, food, and accommodation will be covered by the project.
3. Further coaching by world-leading experts from both the Digital Governance and the Entrepreneurship domains towards the enhancement of the original ideas.
4. Contact with possible customers from the Government 3.0 project wider network of public sector organizations in the whole EU.
5. Dissemination from the European Commission services.
6. Contract development with interested public sector organizations.

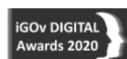
#### For more information please visit:

Project Website: <http://www.gov30.eu>

Follow us on:

Link for submission: <https://www.gov30.eu/submission/>

Figure 27: Press Release of the iGOV DIGITAL Awards 2020 (the Pan-European Competition on Innovative Digital Governance Ideas and Applications)



## Press Release

### Deadline extension of the Pan-European Competition on Innovative Digital Governance Ideas and Applications iGOV DIGITAL Awards 2020

In response to the coronavirus pandemic, the deadline for the submission of business plans to the [Pan-European Competition on Digital Governance](#) will be extended accordingly. The competition is targeting submissions from the academia towards shaping these ideas to fully functional products at entrepreneurial level through a comprehensive mentoring phase with world leading experts. The Pan-European Competition on Digital Governance Ideas is organized by the [Gov3.0 ERASMUS+ Knowledge Alliance project](#). The awards ceremony will be held in Athens, during 22 September – 25 September 2020, in conjunction with the [ICEGOV 2020 Conference](#).

#### Scope

The scope of the competition is to find the best new applications or technological ideas that we can help scale into businesses.



The ideas will have to utilise new and disruptive technologies, such as Artificial Intelligent or Blockchain combined with big, open and linked data in order to improve public sector efficiency and citizen's quality of life in general. Specifically, the ideas should fall into one of the following categories: (a) new applications or (b) technological ideas related to Digital Governance that can be scaled into businesses.

Special focus will be given to ideas that address public sector challenges & issues or provide solutions in order to address the impact of the pandemic (i.e. development of mechanisms and platforms using data for the provision of accurate information, forecasting and early warning, development of patients service applications before, during and after admission to hospital etc.).

**Training material** in the form of informative videos is provided explaining the [technological advancements](#) of the domain as well as the providing [entrepreneurial guidance](#) to the participants. The material has been created by the Gov3.0 project experts and could be accessed after registration.

The competition refers to students/researchers over 18. The [submission period is now open](#) for all participants.

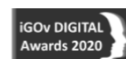
#### Terms of Participation & Eligibility

In an effort to reach as many great minds as possible the competition will be open to students/researchers coming from Erasmus+ Programme countries<sup>1</sup>. Eligible are:

1. Groups of students and researchers over 18 years of age
2. Proposal submitted in the English language

<sup>1</sup>EU universities, including universities in Republic of North Macedonia, Iceland, Liechtenstein, Norway, Serbia, Turkey

Funded by the ERASMUS+ Knowledge Alliance



#### Criteria for the evaluation of proposals

The proposals will be evaluated based on a set of 5 criteria that will assess the proposed idea based on:

- (a) Innovation: the degree of new and original Digital Governance idea/ application creation,
- (b) The accessibility of the outcome of the proposal either by citizens or/and public sector users,
- (c) Economic viability,
- (d) Impact and scalability and
- (e) Team capacity: How well suited is the team to make it happen.

#### Timeline and Important Dates

- Preliminary Application – Round A: Deadline 6 January 2020
- Notification of acceptance – Round A: 31 January 2020
- Preliminary Application – Round B: Deadline 15 March 2020
- Notification of acceptance – Round B: 31 March 2020
- Preliminary Application – Round C: Deadline 29 May 2020
- Notification of acceptance – Round C: 31 May 2020
- Mentoring Phase – Round A: 01 February 2020 until 22 June 2020
- Mentoring Phase – Round B: 01 April 2020 until 22 June 2020
- Mentoring Phase – Round C: 01 June 2020 until 22 June 2020
- Final Submission: Deadline 26 June 2020
- Notification of final nominees: Deadline 31 July 2020
- Awards Ceremony: September 2020 during ICEGOV 2020 Conference

In its current state the competition is at the Preliminary Application of Round C stage. According to the timeline the participants should upload their initial proposal (500 – 1,000 words) by 29/05/2020 and the eligible participants will be informed by 31/05/2020. The eligible participants will receive mentoring so as they resubmit their [final proposals \(10 paper based on a template that will be provided during the mentoring phase\)](#) until 26/06/2020. The nominees will be revealed & informed by 31/07/2020.

#### iGOV DIGITAL Prizes

1. First place: 5000 euros will be awarded by PwC + 3 free registrations for next year's ICEGOV2021 conference on Digital Government
2. Second place: 2000 euros will be awarded by Lisbon Council Think Tank
3. Third place: 1000 euros will be awarded by University of Agder
4. All the finalists will receive:
  - a. Registration, travel, accommodation and food costs would be awarded for the final event (ICEGOV2020)
  - b. Registration fees will be awarded (since they will be applied)
  - c. Further coaching by world-leading experts from both the Digital Governance and the Entrepreneurship domains towards the enhancement of the original ideas.
  - d. Contact with possible customers from the Government 3.0 project wider network of public sector organizations in the whole EU.
  - e. Dissemination from the European Commission services.
  - f. Contract development with interested public sector organizations.

Funded by the ERASMUS+ Knowledge Alliance



Figure 28: Government 3.0 – Press Release of the deadline extension of the iGOV DIGITAL Awards 2020 (the Pan-European Competition on Innovative Digital Governance Ideas and Applications)



Figure 29: Government 3.0 – Press Release, Results of the iGOv DIGITAL Awards 2020 (the Pan-European Competition on Innovative Digital Governance Ideas and Applications)



Figure 30: Massive Open Online Course (MOOC) Press Release



PRESS RELEASE  
Mytilene, 03/07/2020



**Samos 2020 Summit Online**  
International Summit on ICT-enabled Governance  
Organized by the University of the Aegean, online

The Information Systems Laboratory, of the Department of Information and Communication Systems Engineering, School of Engineering, University of the Aegean, in collaboration with the Digital Governance Research Centre and the European Projects "Government 3.0", and "ManyLaws", organize the 10<sup>th</sup> International Samos Summit on ICT-enabled Governance, "Samos 2020 Summit", for the first time online.

The activities of the Samos 2020 Summit will take place from 13 to 15 July 2020, focusing on the latest developments in the field of ICT applications for the Digital Governance Transformation on a global scale. Important topics include:

- Lectures by experts from the Netherlands, Italy, Slovenia, Germany, Austria, Norway, Belgium, Denmark, Luxembourg, Cyprus and Greece on the latest developments in the field, internationally.
- The special session "The Future of Digital Public Services in Europe" where representatives of the European Commission present Europe's plan for the Digital Services of the future.
- The special session "Greece Goes Digital" with presentations of new actions and plans by the Government Presidency, the Hellenic Ministry of Digital Governance and the Hellenic Ministry of the Interior.
- The European Interoperability Academy, Artificial Intelligence developments and the European Regulatory Framework, the role of Blockchain in modern Governance, latest Legal Informatics approaches presented by the "ManyLaws" project, special workshops on the Digital Governance Science Base,

The Samos 2020 Summit supporters include the European Commission, the United Nations University, Greek Government Agencies, international Universities, research centers and businesses. Greek Huffington Post is Samos 2020 Summit media partner.

Alongside the summit, the 7th Summer School on Open and Collaborative Governance "Opengov 2020" will take place, where selected students from around the world will attend the experts' lectures, participating in discussions and workshops.

Registration for Samos 2020 Summit (online) is free of charge, but the number of participants is limited. Registration applications will be confirmed prior to the event.

**More information**

Samos 2020 Summit ONLINE: <https://www.samos-summit.com/>

"Opengov 2020" Summer School: <https://summer-schools.aegean.gr/opengov2020>

Figure 31: Template of the additional Press Releases of our Summer School on Digital Government 3.0

### 3.2.4.10 Digital Government Transformation Massive Open Online Course (MOOC)

The Digital Government Transformation Massive Open Online Course (MOOC) incorporates open lessons both on pre- and post- graduate level that offer to participants the opportunity to study high quality courses online. Furthermore, there is concern on education for company staff and entrepreneurship so that enterprises will train their employees in such a way that they can transform knowledge into practical applications. Consequently, the particular way of transmission of knowledge will lead to training provision of participants, by creation of high level of expertise on the area of Electronic Government and appliance of their principles in everyday life of citizens.

The changes in the way public services are provided indicate distinct stages of the Digital Government evolution. The Digital Government Transformation MOOC cover these stages from the basics of information systems (IS), through Government 1.0 (Digital Transformation foundations) and Government 2.0 (collaborative government) to Government 3.0 (disruptive technologies in data-driven policy- making and public service).

The Digital Government Transformation MOOC includes 25+ modules that are divided into five module groups:



1. Gov 1.0: Foundations of Digital Government
2. Gov 2.0: Digital Governance and Engagement
3. Gov 3.0: Towards data-driven and evidence-based decision and policy making
4. Ethics and soft skills
5. Entrepreneurship

Indicative duration: 30 days, not full time

Further information about Digital Government Transformation Massive Open Online Course (MOOC), such as competition prizes, is provided at: <https://www.gov30.eu/mooc-on-digital-government-transformation/>

Website, newsletters, and social media were conducive to the dissemination of the MOOC. Another tool toward this purpose was a presentation at Samos Summit 2019, and informing emails were sent to students from the consortium. Along with the previously mentioned and after the MOOC's first release, 3 workshops were held (see Table 4 Workshops, Section 3.2.2.2) for its first evaluation. For these workshops, another dissemination of the MOOC was conducted among the universities' students of the consortium, using their mailing lists.

### 3.2.5 Results of the Project

The focus on the planned activities varied based on the results of the project (e.g., it was planned that the consortium would focus on the unique visitors after the first year of the project when it was expected that the results would have raised awareness). The targets for various actions are outlined in Tables 1 and 8, which show a high-level representation of the dissemination goals relative to the project timing and development progress. 1<sup>st</sup> Year, 2<sup>nd</sup> Year, and 3<sup>rd</sup> Year columns indicate the achievements of the 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> Year of the project in total. The 3<sup>rd</sup> Year column indicates the total results of the project (Table 8).

**Table 8: Government 3.0 Results**

Objective	Description	Target	1 <sup>st</sup> Year	Cumulative 2 <sup>nd</sup> Year	Cumulative 3 <sup>rd</sup> Year
<b>Website</b>	Gov 3.0 will create the project website, which will form the ICT-enabled governance hub, and will utilize Web 2.0 channels to announce on a regular basis the projects' updates.	15000 Number of unique visitors of the website	549	1058	8756
<b>Publications</b>	Publications submitted in relevant journals and conferences.	60 publications in esteemed journals and conferences	13	27	66
<b>Conferences</b>	Number of conferences co-organised by the project. Conferences are the organizing events by the Gov3.0 Consortium and the joint activities.	8 conferences	4	7	8
<b>Conferences Participants</b>	Number of participants reached by workshops and conferences organised by the projects.	1500 participants	149	256	814
<b>Presentations</b>	Presentations at national and international conferences and events.	30 Presentations in total	10	29	42
<b>Project workshops</b>	Project workshops will be organized serving also as important dissemination activities Gov 3.0.	15 workshops organised by the project	7	14	22
<b>Electronic Newsletters</b>	Electronic Newsletters will be prepared on a yearly basis, reporting the results of the project.	12 electronic newsletters to be published	1	8	12
<b>Press releases</b>	Press releases are produced upon project initiation and throughout the project.	3 press releases to be issued	0	1	3



<b>International conference</b>	An international conference will be co-organized on annual basis and promoted by all partners, three conferences in total.	1 international conference per year	1	2	3
---------------------------------	--	-------------------------------------	---	---	---

**Table 9: Citation per Publication**

Title	APA	Citation
Tracking the Evolution of OGD Portals: A Maturity Model	Alexopoulos, C., Diamantopoulou, V., & Charalabidis, Y. (2017, September). Tracking the evolution of OGD portals: A maturity model. In International Conference on Electronic Government (pp. 287-300). Springer, Cham.	5
Organizational Learning to Leverage Benefits Realization Management; Evidence from a Municipal eHealth Effort	Askedal, K., Flak, L. S., Solli-Sæther, H., & Straub, D. W. (2017, September). Organizational Learning to Leverage Benefits Realization Management; Evidence from a Municipal eHealth Effort. In International Conference on Electronic Government (pp. 142-153). Springer, Cham.	2
Promoting open innovation in the public sector through social media monitoring	Loukis, E., Charalabidis, Y., & Androutsopoulou, A. (2017). Promoting open innovation in the public sector through social media monitoring. Government information quarterly, 34(1), 99-109.	76
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## ANNEX A: Project Leaflet



### Scientific foundations, training and entrepreneurship activities in the domain of ICT-enabled Governance




Universities will strengthen their capabilities as providers of high level education in this important area of governance and become members of a large scientific network. Companies will develop new solutions for public administration. Citizens will be benefited in the long term by the developments coming from the knowledge produced by this partnership.

Contemporary societies are characterized by complex problems, which require synergies across multiple disciplines and stakeholders, in order to be tackled.

GOV 3.0 explores the opportunity of harnessing the recent ICT developments, to confront the challenges contemporary governments face, through utilisation of advanced technologies and citizen collaboration.

The project aims at setting the scientific foundations for "Government 3.0", as the most progressed form of electronic governance, developing activities in both academic and entrepreneurship level.

The project is formed through the cooperation of universities, companies and research centers, and has a duration of three years. The core consortium will engage a network of affiliate partners and experts from all over the world.

Outcomes will be achieved through new methods for roadmapping research priorities and technology trends, new curricula for teaching at pre-graduate, post-graduate and company executive levels, new approaches for fostering entrepreneurship attempts (e.g. startup companies based on open data) and a novel Massive Online Open Course (MOOC) system that will be available and maintained during and after the implementation of the project.

**Erasmus+**  
Field: Higher Education  
Action: Knowledge Alliances

**Key facts and figures**

Partners:	8	Countries:	7
EU grant:	€ 786,140	Project duration:	2017 - 2020

**Scientific foundations training and entrepreneurship activities in the domain of ICT-enabled Governance (GOV 3.0)**



**More information**

Project website  
<http://gov30.eu>

The Erasmus+ Project Results Platform  
<https://ec.europa.eu/programmes/erasmus-plus/projects/plus-project-details/#project/9e800cc6-71ec-4bbe-b92b-27271885d608>

**Lead organisation**  
PANEPISTIMIO AIGAIU  
Location: Greece

**Project countries**  
Austria, Belgium, Cyprus, Germany, Greece, Norway & Portugal



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#### Sustainability

The Gov 3.0 project aims at establishing ICT-enabled Governance as a vivid research domain, by providing universities, private firms and government agencies with cutting-edge knowledge on emerging technologies and policy support methods and tools. This establishment is more crucial than ever, as its potential impact on services, processes and policies of the public sector is now widely recognized. Public sector bodies and officials, NGOs and citizens will be engaged at a global scale, through digital means, summer schools, startup competitions, conferences and workshops, showcasing results and potential opportunities of Governance 3.0.



#### Social Media

The links of social media platforms will be available soon!



#### Dissemination

The developed curricula, the knowledge base and the MOOC will be constantly updated by the consortium, while the material will continue to be open for all audiences.

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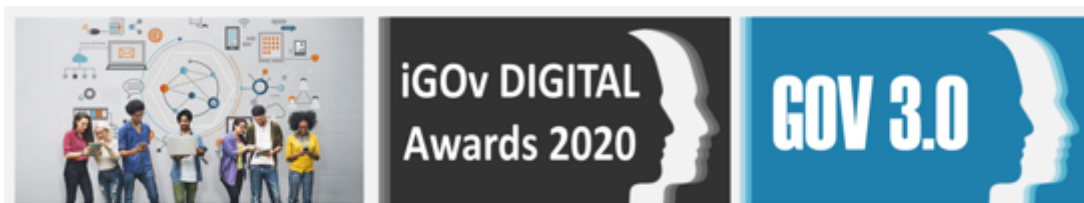


## ANNEX B: Competition Leaflet



### Competition on eGOV ideas

*Scientific foundations training and entrepreneurship activities in the domain of ICT-enabled Governance*



The scope of the competition is to find the best new apps or technological ideas that we can help scale into businesses. The ideas will have to address public issues and use open data in order to improve citizen's quality of life.

**Submissions for 2019 are now open!** Our evaluation committee is responsible for the winners' selection. The award ceremony will take place in Samos island during the next summer school in 2020.

### Competition details

#### Terms of participation

A) In an effort to reach as many great minds as possible the competition will be open to students coming from Erasmus+ Programme Countries

B) The ideas should fall into one of the following categories:

- new apps or
- technological ideas related to e-governance

For more information please visit:

Project Website:

<http://www.gov30.eu>

Pre-registration form:

<http://www.gov30.eu/preregistration/>

Subscribe to our newsletter to keep up to date

<https://www.gov30.eu/register/>

#### Eligibility

- A) Groups of students over 18 years of age
- B) Proposal submitted in english language


#### Criteria for the evaluation of proposals

- Innovation: the degree of new and original eGovernment idea/ application creation
- The outcome of the proposal will have to be accessible either by citizens or/and public sector users
- Economical viability
- Impact and scalability
- Team capacity: How well suited is the team to make it happen

More information of what is being done in the e-government domain could be found at the Gov3.0 inquiries and deliverables as well as the Gov3.0 Open Online Courses available through the Gov3.0 website.

Gov3.0 Partners:







European Commission


The participants will have the opportunity to:

- Attend online courses relevant to the information systems and eGovernment, Gov3.0 technologies, competition's guidelines, etc.
- Receive mentoring for the development of their business idea
- Visit Samos Island in 2020 (finalists only)
- Win significant prizes



Follow us on:



Gov3.0 Partners:

