Deliverable D7.8
Final Press Release

Document Summary Information

Grant Agreement No	871780	Acronym	MonB5G
Full Title	Distributed Management of Network Slices in beyond 5G		
Start Date	01/11/2019	**Duration**	42 months
Project URL	https://www.monb5g.eu/		
Deliverable	D7.8 – Final Press Release		
Work Package	WP7		
Contractual due date	M42	**Actual submission date**	05/05/2023
Nature	Report	**Dissemination Level**	Public
Lead Beneficiary	OTE		
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Revision history

Version	Issue Date	% Complete	Changes	Contributor(s)
V0.1	09/03/2023	0	Initial Deliverable Structure	Ioannis Chochliouros (OTE) George Lyberopoulos (COSMOTE) Thaleia Mouzaki (COSMOTE)
V0.2	28/04/2023	95	Conclusion of the document of the Final Press Release (in Greek and in English)	Ioannis Chochliouros (OTE) George Lyberopoulos (COSMOTE) Thaleia Mouzaki (COSMOTE)
Final	03/05/2023	100	Publication of the Final Press Release	Ioannis Chochliouros (OTE) George Lyberopoulos (COSMOTE) Thaleia Mouzaki (COSMOTE)

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1 Executive summary

The present deliverable D7.8 is part of the activities of Task 7.1 ("**Dissemination and Communication Activities**") of the MonB5G project. This task covers the full duration (M1-M42) of the MonB5G project.

According to the detailed description of Task 7.1 – as it is included in the respective Grant Agreement (GA) No.871780 – it is predicted that:

"*The dissemination plan of MonB5G expands along the following pillars:*

a) publication of the scientific findings at prestigious international journals and conferences;

b) organization of at least one workshop for the dissemination of the project results to all stakeholders, with MonB5G testbed demonstrations;

c) participation at targeted expos and exhibition conferences to showcase its proof-of-concept prototypes.

The communication and outreach activities will "target" all various stakeholders, e.g., the research community, business community, and the public at large, to ensure that the public will be aware of the MonB5G project. The necessary infrastructure will be set up, including a website, blogs, newsletters, news feeds, and social media (e.g., Twitter, LinkedIn). Further important communication channels will include public project summary, project factsheet, leaflets, posters, while two press releases will be issued in major magazines. An additional article oriented to business stakeholders will also be issued in a top-tier business magazine outlining the commercial prospects of the MonB5G technologies. A set of tailored presentation materials will also be issued for use by MonB5G experts in their keynote speeches, invited talks and panels at various events and forums. MonB5G will also liaise with other related EU and international research projects to accelerate the integration of MonB5G technologies into the overall 5G and beyond design framework".

Being conformant to the above description and according to the respective provisions of the GA, the present deliverable D7.8 includes the document of the "Final Press Release" of the MonB5G project. This has been published by OTE (Hellenic Telecommunications Organization S.A.) on *May 03, 2023,* and practically "concludes" the full set of the Dissemination and Communication activities simultaneously with the contractual termination of the MonB5G's effort.

The Final Press Release has been communicated so that to reach an extended variety of media and/or websites, aiming to support intended communication activities to a wider set of potential recipients (i.e. varying from legal entities - market "actors", academia, research organizations, associations and (State) Authorities up to the wider public), thus making known MonB5G's context, framework, expectations and achievements.

2 Press Release

The project partner OTE (Hellenic Telecommunications Organization S.A.) has prepared and published the Final Press Release for the research project MonB5G.

The press release has been published in great variety of media and/or websites of high visibility on *May 03, 2023*. The press release has been both in Greek and in English. In the electronic version there is direct link to the MonB5G's website so that to allow access to a wider set of the project material.

As of the Greek version, the original press release can be accessible at:

https://www.cosmote.gr/cs/otegroup/gr/artificial_intelligence.html

The English version can be found at:

https://www.cosmote.gr/cs/otegroup/en/artificial_intelligence.html

Screen shots of the aforementioned press release (both in Greek and in English) are as in the following Figures 1 and 2.

OTE ΟΜΙΛΟΣ ΕΤΑΙΡΕΙΩΝ

Δελτίο Τύπου

Τεχνητή νοημοσύνη στη διαχείριση δικτύων 5G και 6G με τη συμβολή του Ομίλου ΟΤΕ

- *Ευρωπαϊκό ερευνητικό έργο για χρήση Artificial Intelligence (AI) στις νέες γενιές δικτύων κινητών τηλεπικοινωνιών (5G and beyond)*

3 Μαΐου 2023

Στο ευρωπαϊκό ερευνητικό έργο **MonB5G**[1], που αξιοποιεί την **τεχνητή νοημοσύνη (AI)** για «έξυπνη», ευέλικτη και αυτοματοποιημένη διαχείριση των πόρων των δικτύων τεχνολογίας 5G και 6G, συμμετέχει ο Όμιλος ΟΤΕ.

Το έργο χρησιμοποιεί τεχνικές AI για την αυτόνομη λειτουργία (zero-touch management) και ενορχήστρωση ενός μεγάλου αριθμού «τεμαχίων» δικτυακής υποδομής (network slices). Με την εφαρμογή αλγορίθμων τεχνητής νοημοσύνης, τα δίκτυα αποκτούν δυνατότητες αυτο-διάρθρωσης (self-configuration), αυτο-παρακολούθησης (self-monitoring), αυτο-ίασης (self-healing) και αυτο-βελτίωσης (self-optimization), χωρίς την ανάγκη ανθρώπινης παρέμβασης.

Η έννοια «δικτυακός τεμαχισμός» (network slicing) αναφέρεται στον διαχωρισμό μιας εγκατάστασης εικονικού δικτύου σε πολλά παραμετροποιημένα και ανεξάρτητα μεταξύ τους τμήματα και την κατάλληλη, κατά περίπτωση, διάθεση δικτυακών πόρων για την αποτελεσματική εξυπηρέτηση υπηρεσιών διαφορετικών απαιτήσεων. Αυτό είναι πολύ σημαντικό για κάθετες αγορές (vertical markets), καθώς επιτρέπει τη δημιουργία ανεξάρτητων δικτύων, που υποστηρίζονται από κοινές υποδομές.

Το κάθε network slice, υποβοηθούμενο από την τεχνητή νοημοσύνη, εξασφαλίζει την απρόσκοπτη λειτουργία απαιτητικών εφαρμογών έξυπνων πόλεων, επαυξημένης πραγματικότητας, τηλεϊατρικής κ.ά., που απαιτούν υψηλή χωρητικότητα και μηδενική καθυστέρηση (latency). Επιπλέον της παροχής αξιόπιστων υπηρεσιών υψηλής ποιότητας, η χρήση AI ενισχύει τα επίπεδα ασφαλείας των υποδομών και επιτρέπει την καλύτερη ενεργειακή απόδοση των δικτύων, εξοικονομώντας ενέργεια.

Στο πλαίσιο του έργου, ο Όμιλος ΟΤΕ συμμετέχει στον καθορισμό των τεχνικών προδιαγραφών, στην περιγραφή της αρχιτεκτονικής, στην αξιολόγηση των απαιτήσεων των χρηστών και των επιχειρηματικών μοντέλων, καθώς και στην υλοποίηση δοκιμών για επιλεγμένες περιπτώσεις χρήσης. Παράλληλα, συμβάλλει στη διάδοση και αξιοποίηση των αποτελεσμάτων του έργου. Το MonB5G συγχρηματοδοτείται από την Ε.Ε. μέσω του πλαισίου Horizon 2020. Συμμετέχουν 12 φορείς από 8 ευρωπαϊκές χώρες (Ελλάδα, Ισπανία, Γαλλία, Ιρλανδία, Πολωνία, Γερμανία, Κύπρος και Φινλανδία) και έχει συνολική διάρκεια 42 μήνες.

Ο Όμιλος ΟΤΕ είναι πρωτοπόρος στις τεχνολογικές εξελίξεις και αποτελεί μακράν τον μεγαλύτερο επενδυτή σε υποδομές τηλεπικοινωνιών στην Ελλάδα. Αυτή τη στιγμή είναι σε εξέλιξη 32 πρωτοποριακά ερευνητικά επιδοτούμενα προγράμματα, ενώ συνολικά από το 2009 μέχρι σήμερα έχει λάβει μέρος σε περισσότερα από 100 ερευνητικά έργα. Παράλληλα, τα Εργαστήρια Νέων Τεχνολογιών του Ομίλου ΟΤΕ αξιολογούν τις νέες τεχνολογίες και τον εξοπλισμό των τηλεπικοινωνιών του μέλλοντος. Με όχημα την τεχνολογία και την καινοτομία, ο Όμιλος ΟΤΕ φτιάχνει έναν κόσμο καλύτερο για όλους.

Προτεινόμενα tags: *τεχνητή νοημοσύνη, artificial intelligence, δικτυακός φετοτεμαχισμός, MonB5G, zero-touch management, cosmote, όμιλος οτε*

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[1] **MonB5G** – *Distributed management of Network Slices in beyond 5G: https://www.monb5g.eu/*

Υποδιεύθυνση Σχέσεων με ΜΜΕ
Εταιρική Επικοινωνία και Βιώσιμη Ανάπτυξη Ομίλου ΟΤΕ
Τηλ. 210 6177566
Email: mediarelations@ote.gr

Figure 1: Final Press Release about MonB5G (in Greek) – published by OTE

OTE GROUP OF COMPANIES

Press Release

Artificial Intelligence enabling 5G and 6G networks management with OTE Group's contribution

- *A European research project on the use of Artificial Intelligence (AI) in new-generation mobile networks (5G and beyond)*

May 03, 2023

OTE Group is participating in the European **MonB5G** research project, which capitalises on **artificial intelligence (AI)** for smart, flexible and automated management of 5G and 6G network resources.

The project uses AI-based mechanisms for zero-touch management and orchestration of massive-scale network slices. With the application of artificial intelligence algorithms, networks acquire self-configuration, self-monitoring, self-healing and self-optimization capabilities, without the need for human intervention.

The concept of "network slicing" refers to the division of a virtual network infrastructure into multiple customised and independent segments and the suitable allocation, per case of use, of network resources to efficiently serve different requirements. This is very important for vertical markets, as it enables the creation of independent networks supported by shared infrastructure(s).

Each network slice, assisted by artificial intelligence, ensures the seamless operation of demanding smart-city, augmented-reality, telemedicine and other applications that require high capacity and zero latency. In addition to the provision of reliable and high-quality services, the use of AI enhances infrastructure security and improves energy efficiency of networks.

In the context of the project, OTE Group is involved in defining technical specifications, describing the fundamental architecture, evaluating user requirements and business models and implementing tests for selected use cases. At the same time, it is contributing to the dissemination and exploitation of the project's results. The MonB5G project is being co-funded by the EU through the Horizon 2020 framework. Twelve organizations from eight European countries (Greece, Spain, France, Ireland, Poland, Germany, Cyprus and Finland) are participating, and the total duration of the project is 42 months.

OTE Group is a pioneer in technological development and is by far the largest telecommunications infrastructure investor in Greece. There are currently 32 innovative funded research programmes under way, and since 2009 OTE Group has participated in over 100 research projects. In tandem, OTE Group's New Technologies Labs also assess the new technologies and equipment of future telecommunications. Through technology and innovation, OTE Group is creating a better world for all.

Recommended tags: *artificial intelligence, network slicing, MonB5G, zero-touch management, cosmote, ote group*

Media Relations
Corporate Communications OTE Group
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Figure 2: Final Press Release about MonB5G (in English) – published by OTE
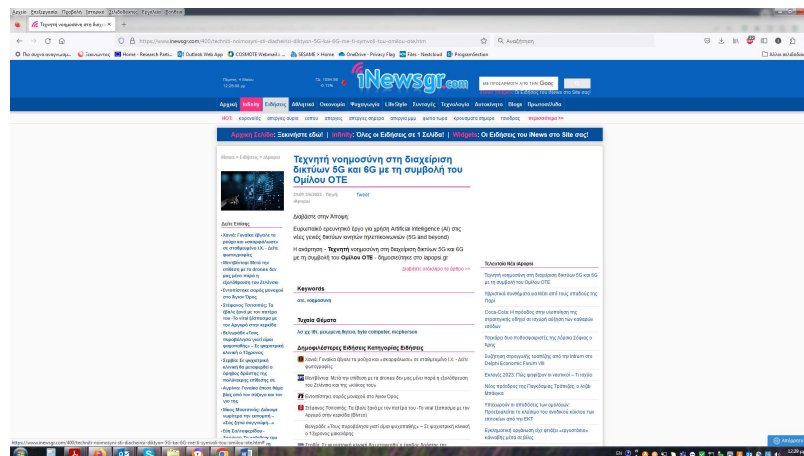
3   Last Press Release on Media

The following information relates to various websites where OTE's Final Press Release for the case of the MonB5G project has been published. An indicative screen-shot of the respective page together with the exact weblink is provided.
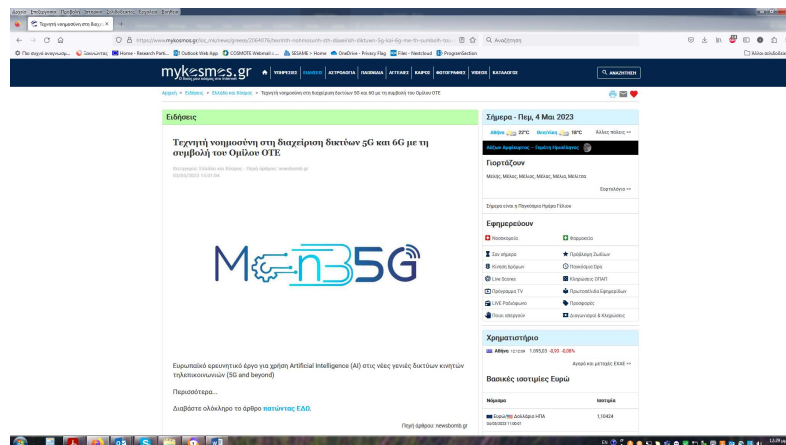
1

https://www.capital.gr/epixeiriseis/3713310/texniti-noimosuni-sti-diaxeirisi-diktuon-5g-kai-6g-me-ti-sumboli-tou-ote/

2

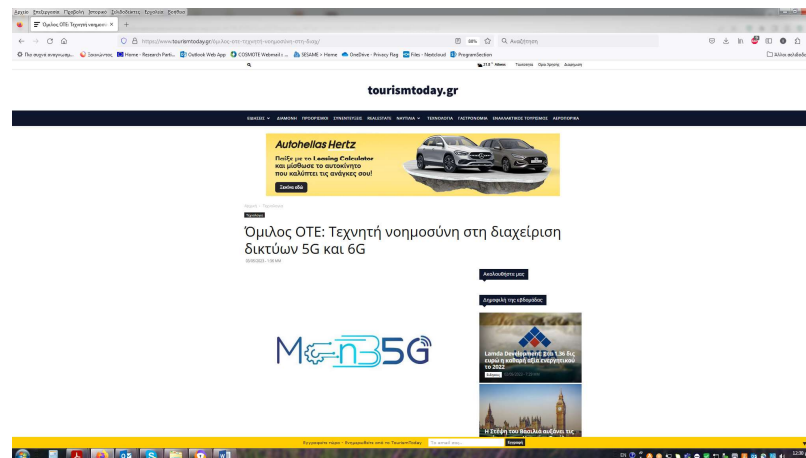https://www.inewsgr.com/400/techniti-noimosyni-sti-diacheirisi-diktyon-5G-kai-6G-me-ti-symvoli-tou-omilou-ote.htm

3

https://www.mykosmos.gr/loc_mk/news/greece/2064076/texnhth-nohmosunh-sth-diaxeirish-diktuwn-5g-kai-6g-me-th-sumbolh-tou-omilou-ote.htm
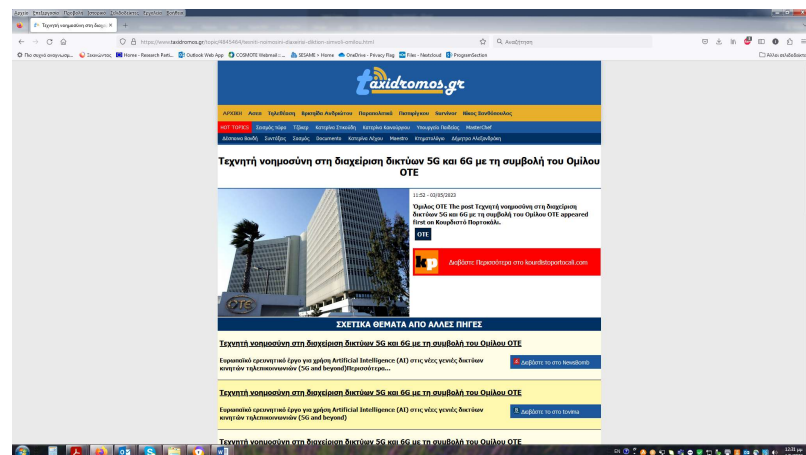
4

https://www.crisismonitor.gr/2023/05/03/ote-techniti-noimosyni-sti-diacheirisi-diktyon-5g-kai-6g/

5

https://www.tourismtoday.gr/%CF%8C%CE%BC%CE%B9%CE%BB%CE%BF%CF%82-%CE%BF%CF%84%CE%B5-%CF%84%CE%B5%CF%87%CE%BD%CE%B7%CF%84%CE%AE-%CE%BD%CE%BF%CE%B7%CE%BC%CE%BF%CF%83%CF%8D%CE%BD%CE%B7-%CF%83%CF%84%CE%B7-%CE%B4%CE%B9%CE%B1%CF%87/
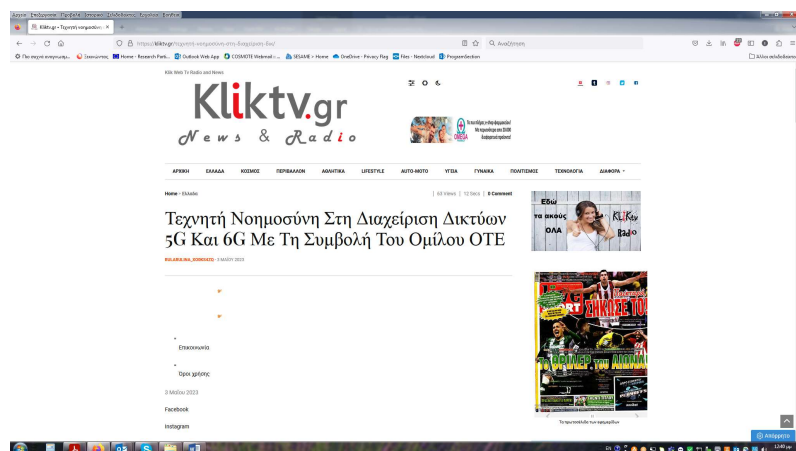
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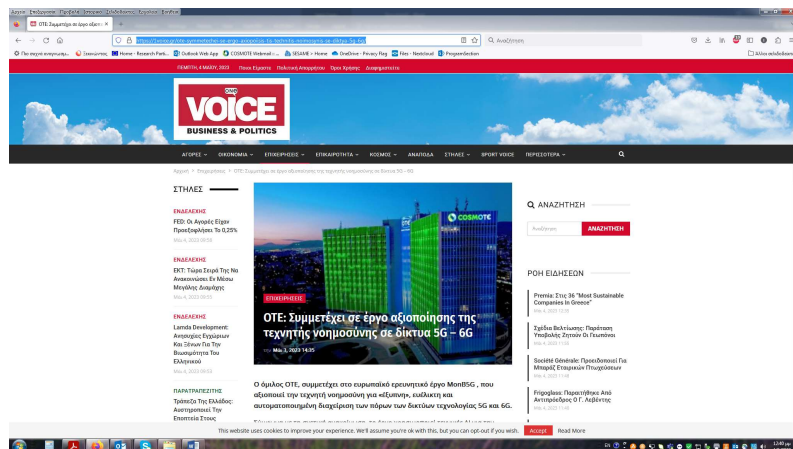https://www.taxidromos.gr/topic/4845464/texniti-noimosini-diaxeirisi-diktion-simvoli-omilou.html

7

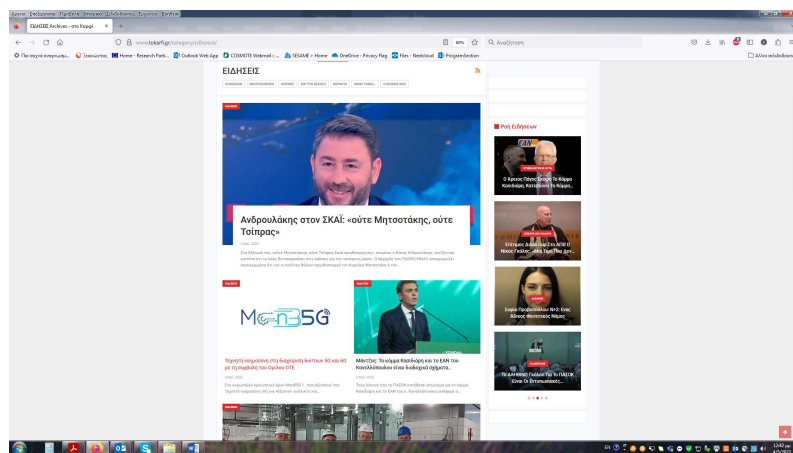https://www.palo.gr/business/omilos-ote-texniti-noimosyni-sti-diaxeirisi-diktywn-5g-kai-6g/1355952/

8

https://kliktv.gr/%CF%84%CE%B5%CF%87%CE%BD%CE%B7%CF%84%CE%AE-%CE%BD%CE%BF%CE%B7%CE%BC%CE%BF%CF%83%CF%8D%CE%BD%CE%B7-%CF%83%CF%84%CE%B7-%CE%B4%CE%B9%CE%B1%CF%87%CE%B5%CE%AF%CF%81%CE%B9%CF%83%CE%B7-%CE%B4%CE%B9%CE%BA/
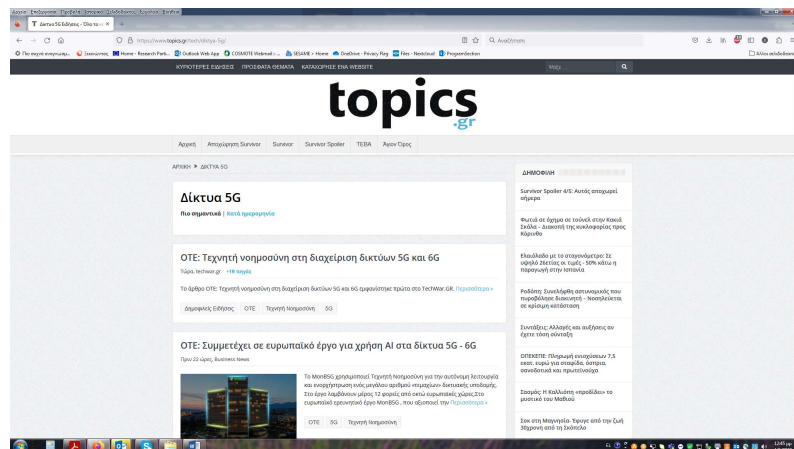
9

https://1voice.gr/ote-symmetechei-se-ergo-axiopoiisis-tis-technitis-noimosynis-se-diktya-5g-6g/

10

http://www.tokarfi.gr/category/%CE%B5%CE%B9%CE%B4%CE%B7%CF%83%CE%B5%CE%B9%CF%83/
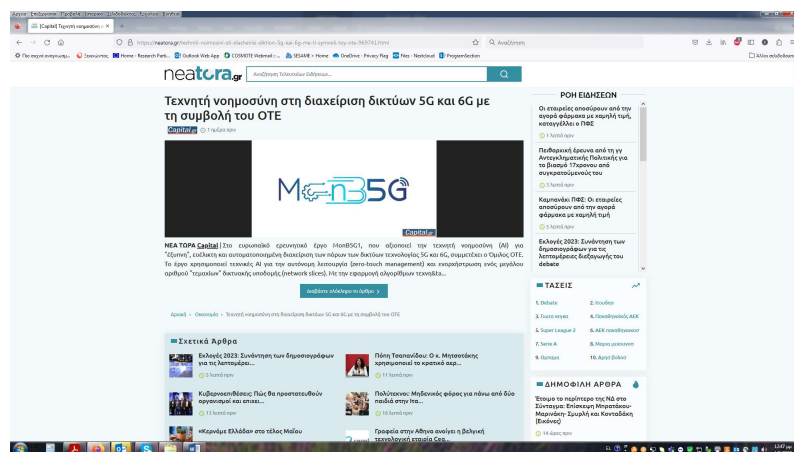
11

https://www.topics.gr/tech/diktya-5g/

12

https://neatora.gr/techniti-noimosini-sti-diacheirisi-diktion-5g-kai-6g-me-ti-symvoli-toy-ote-969741.html

4 Conclusions

In this deliverable, we presented the Final Press Release published for serving the dissemination and communication activities of the MonB5G project.

The document "delineates" MonB5G's context, mainly emphasizing upon the project's innovative aspects within the B5G (5G and beyond) era.