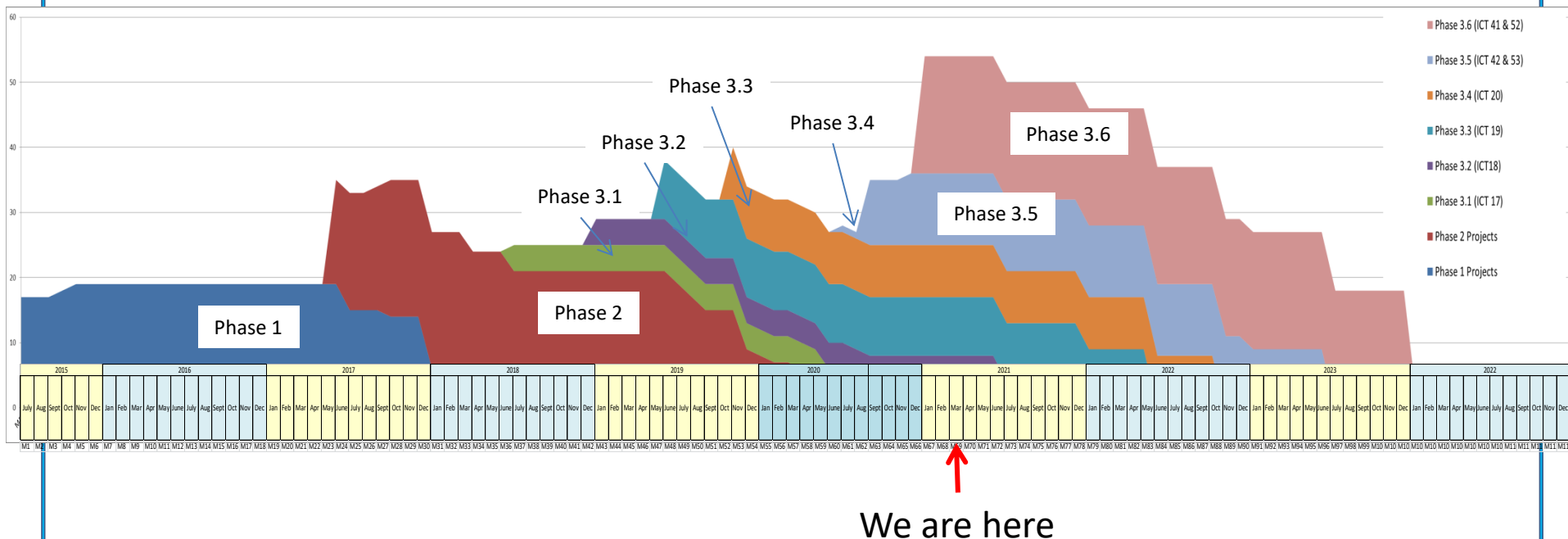


Full5G

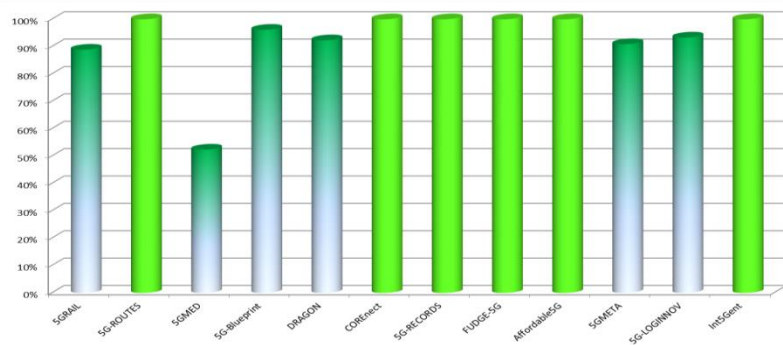
- Support action for the 5G PPP
- Support the high level goals:
 - “Help the Vertical Industry sectors to realise the value of the 5G in order to accelerate 5G uptake in Europe.”
 - “Improve the Vertical sector stakeholder involvement in the validation of 5G services.”
 - “Promote the 5G PPP high level goal of enhancing the competitiveness of European ICT industries.”
 - “Assert European leadership in the 5G domain – across research, development and uptake.”
- Support the operations and communications
 - “Organise and manage the inter-project collaborative infrastructure for 40 (or possibly more) concurrent 5G PPP projects during phase 3 of the 5G PPP.”
 - “Stimulate, organise and implement strategic events and activities both in the inter-5G PPP project domain and in the public domain for the promotion of 5G PPP activities.”
 - “Provide an efficient infrastructure for the communications services, shared workspaces, repositories, websites and social media of the 5G PPP community at large.”
 - “Provide an online repository for public results of the 5G PPP so that they may be found and accessed even after individual projects have closed.”

Overview of the 5G PPP

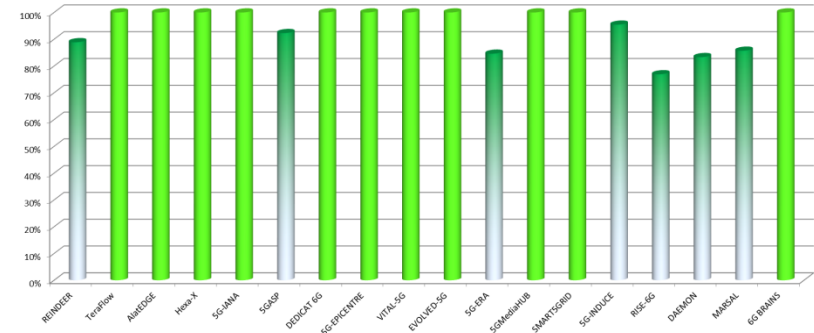


Full5G

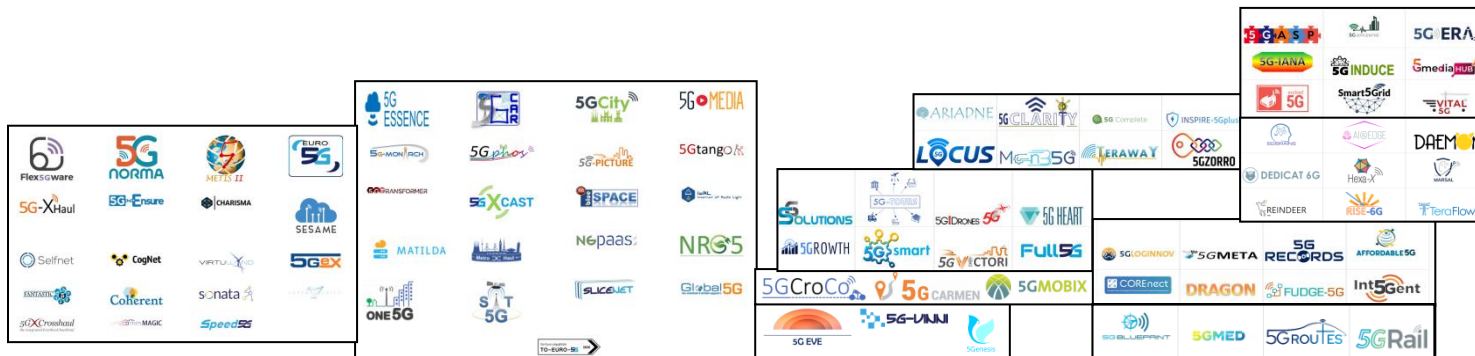




Phase 3-5,
ICT 42 & ICT 53



Phase 3-6,
ICT 41 & ICT 52



5G PPP and 5G IA work groups

| |
|--|
| Pre-Standardization WG |
| Spectrum WG |
| 5G Architecture WG |
| Software Networks WG |
| Network Management & QoS WG |
| Vision and Societal Challenges WG |
| Security WG |
| SME WG |
| Trials WG |
| 5G Automotive WG |
| <i>IMT-2020 Evaluation Group</i> |
| Test, Measurement and KPIs Validation |

Technology Board

Steering Board

5G PPP and
5G IA
related
events

5G PPP Webinar: New 5G Core Technologies Innovation

Projects

Online Event, WEBINAR

INTRODUCTION: The registration form is at the foot of this page This webinar is to present the 8 new 5G Core Technologies projects joining the 5G PPP to accelerate innovation in the development and take up...

The European 5G Conference 2021

February 23 - February 25

Online event



Taking place virtually, the 2021 edition of The European 5G Conference will be held on 23-25 February. Now in its 5th year, the European 5G Conference has an established reputation as Brussels' leading meeting place...

Mobile World Congress Shanghai 2021

February 23 @ 8:00 - February 25 @ 17:00



The next MWC is scheduled between February 23 and February 25, 2021. 5G PPP projects will participate in the event which will bring significant opportunities. Additional information on 5G PPP presence will come soon.

Find out more >

CELTIC Online Proposers Day

February 23 @ 9:00 - 16:00

Online event



CELTIC-NEXT is pleased to announce this Online Proposers Day in February to foster new project ideas for the upcoming CELTIC-NEXT Spring Call. The next Call for Project Proposals is open until the 12th of April.

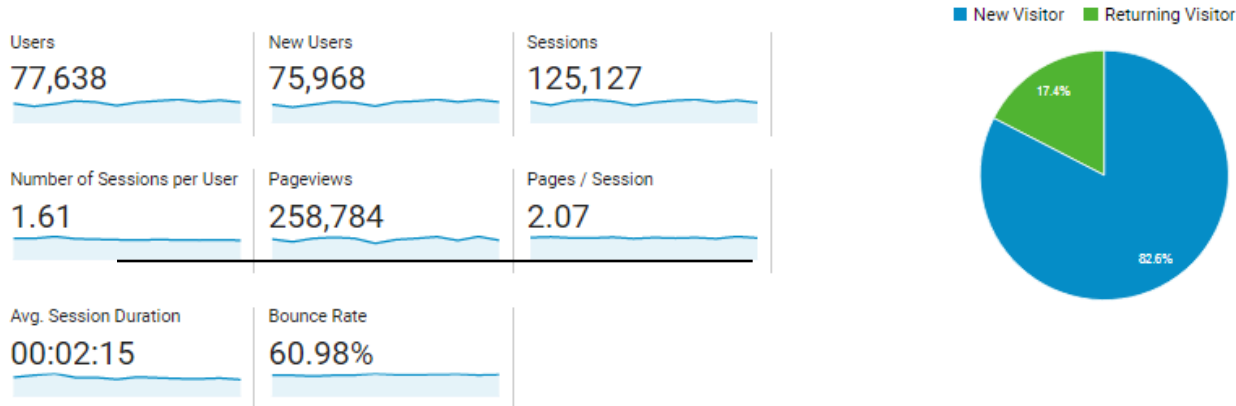
- Joint papers
- Interconnected projects
- Common positions
- Collective submissions
- .../

Issued Papers and Views from the 5G-PPP:

- **5G Trials for Cooperative, Connected and Automated Mobility (CCAM) along European Cross-Border Corridors – (October 2020)**
This white paper introduces the scope, use cases, trial sites and particularities of each of the three H2020-ICT-18-2018 5G PPP corridor projects: 5G-CRoCo, 5G-CARMEN and 5G-MOBIX. These projects address a number of technical, organizational, business and administrative challenges that the provision of CCAM functionality over 5G connectivity poses in highway and national border (corridors) environments. The projects are performing 5G-enabled Autonomous Driving AD trials at national border conditions and are drawing useful insights regarding the challenges and opportunities of provisioning 5G-enabled CCAM services in cross-border conditions. This white paper, a joint effort by the three projects, presents their preliminary results, based on currently available technological enablers, with the capacity to mitigate and/or resolve the above mentioned challenges. It also identifies and elaborates on the main concerns and challenges arising from deploying advanced CCAM use cases at regional borders.
- **5G Strategic Deployment Agenda for Connected and Automated Mobility in Europe – (October 2020)**
The 5G Public Private Partnership, a joint Commission and European ICT industry initiative, has now published the Strategic Deployment Agenda for the roll-out of “5G corridors”. As part of Europe’s 5G Action Plan for pan-European deployment of 5G connectivity infrastructure along major transport paths by 2025, these “5G corridors” are expected to be a key enabler for connected and automated mobility and for the development of innovative ecosystems around cars and other means of transport. Connected vehicles will be able to access mission-critical information in real time. This will contribute to road safety, to a lower carbon footprint, and to a broad range of digital services for drivers and passengers.
- **Empowering Vertical Industries through 5G Networks – (September 2020)**
Prepared by the 5G PPP Technology Board and the 5G IA Verticals Task Force, this white paper summarizes the progress and results produced by 5G PPP projects, while developing some innovative 5G network services for vertical industries. It provides information about requirements and addressed business cases. It also discusses in detail several exemplary use cases from eleven different vertical sectors and identifies key 5G features that have been used to meet the specified requirements.
- **Business Validation in 5G PPP Vertical Use Cases – (June 2020)**
This white paper, prepared by the Vision and Societal Challenges Working Group – Business Validation, Models, and Ecosystems Sub-Group (BVME-SG) describes how the BVME-SG carried out an initial survey of various 5G PPP projects with the objective of finding common approaches and processes to business validation. A great deal of business validation work here is to understand what enables verticals, and how this is articulated through market expansion models, business and society benefits. The BVME-SG established an understanding regarding how vertical value propositions and business models could be enabled and how, as a consequence, a secondary supply side beneficiary in terms of the designing, building, maintaining and operation of a network may be apparent and could be identified.
- **On Board Procedure to 5G PPP Infrastructure Projects – (April 2020)**
This white paper describes the basic procedures that must be followed when vertical sector oriented projects of the 5G PPP plan to use the 5G PPP infrastructure project services. For each of the infrastructure projects this paper informs – among others – about how to interact with the infrastructure, what information is needed for running experiments, what output and how is provided, as well as what are the future plans of each infrastructure project for the longer term support of vertical applications.
- **5G PPP 5G Architecture White Paper – Consolidated Version – (February 2020)**
The consolidated European view on 5G architecture design by the 5G-PPP 5G Architecture Working Group, including the inputs from the Public Consultation phase, are now presented in this Final Version 3.0.
- **5G-PPP Software Network WG Paper: “Cloud-Native and 5G Verticals’ services” February 2020.**
To highlight the value and challenges of becoming Cloud-Native, the 5G-PPP Software Network WG prepared this publication titled, Cloud Native and 5G Verticals’ services, depicting the three phases to evolve from Virtual Network Functions (VNFs) to Cloud-Native Functions (CNFs).
- **5G network support of vertical industries in the 5G PPP ecosystem. February 2020**
The 5G PPP Verticals task force has prepared an overview of the extended pilot trials that are being executed to validate 5G for vertical use cases using the three research infrastructure projects 5G-EVE, 5G-GENESIS and 5G-VINCI. These trials are being performed in the context of the 5G Public-Private Partnership (5G PPP) programme and cover multiple domains, like autonomous driving, smart factories, healthcare, media, energy, etc.

Who is listening to us.

www.5g-ppp.eu



77,638 visits (including returning visits of the same user)

2:15 min average visit duration

61% visits have bounced (left the website after one page)

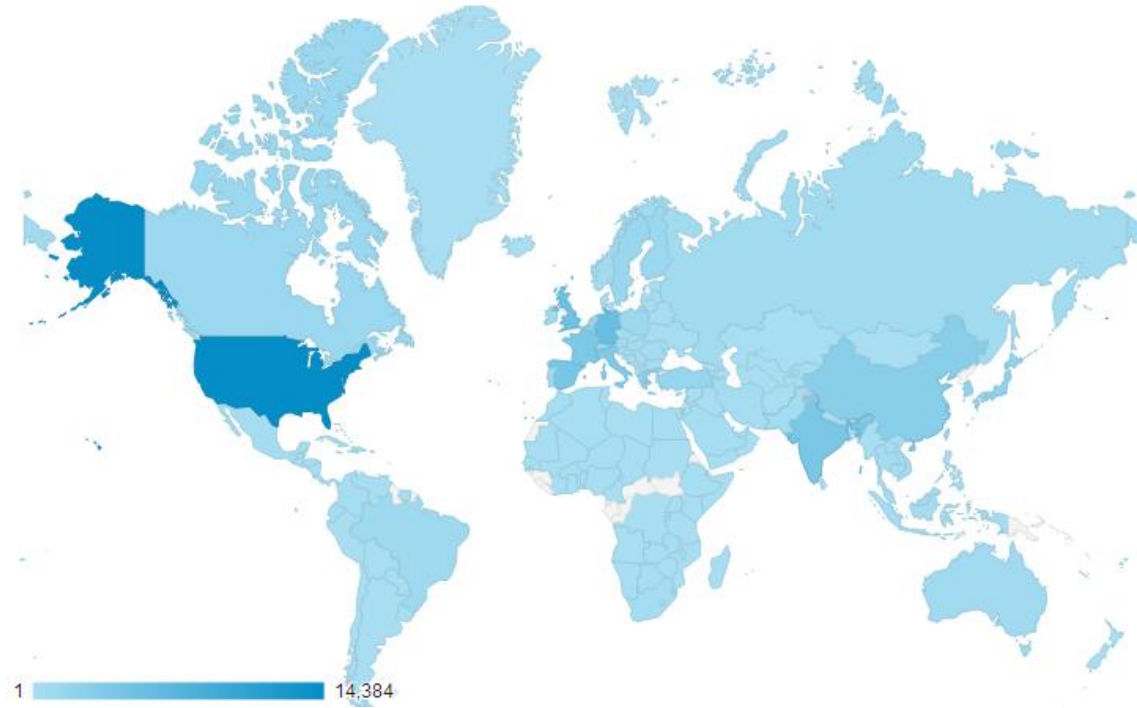
2.07 actions (page views, downloads, outlinks and internal site searches) per visit

258,784 page views

22,960 outbound downloads

^[1] "Outbound Downloads" shows the list of external URLs that were clicked by our visitors from our website pages. All clicks on URLs that are not the same domain as the website (5g-ppp.eu) being tracked are counted as "Outbound Downloads".

Where the interest in 5G-PPP coming from



| Country | Acquisition | |
|-------------------|-------------|------------------------------|
| | Users | |
| | 77,638 | % of Total: 100.00% (77,638) |
| 1. United States | 14,384 | (18.08%) |
| 2. Germany | 5,626 | (7.07%) |
| 3. United Kingdom | 5,174 | (6.50%) |
| 4. Spain | 4,231 | (5.32%) |
| 5. India | 4,154 | (5.22%) |
| 6. France | 3,899 | (4.90%) |
| 7. Italy | 3,586 | (4.51%) |
| 8. China | 2,895 | (3.64%) |
| 9. Greece | 2,320 | (2.92%) |
| 10. Belgium | 2,239 | (2.81%) |
| 11. Japan | 2,094 | (2.63%) |
| 12. South Korea | 1,981 | (2.49%) |
| 13. Turkey | 1,646 | (2.07%) |
| 14. Taiwan | 1,511 | (1.90%) |
| 15. Netherlands | 1,330 | (1.67%) |
| 16. Sweden | 1,268 | (1.59%) |
| 17. Finland | 1,227 | (1.54%) |
| 18. Canada | 1,190 | (1.50%) |
| 19. Poland | 1,043 | (1.31%) |
| 20. Portugal | 961 | (1.21%) |
| 21. Brazil | 862 | (1.08%) |
| 22. Australia | 818 | (1.03%) |
| 23. Singapore | 794 | (1.00%) |
| 24. Switzerland | 650 | (0.82%) |
| 25. Austria | 617 | (0.78%) |

| Page | Pageviews | Unique Pageviews | Avg. Time on Page | Entrances | Bounce Rate | % Exit |
|--------------------------------------|---|---|--|---|--|--|
| | 258,784 % of Total: 100.00% (258,784) | 207,204 % of Total: 100.00% (207,204) | 00:02:05 Avg for View: 00:02:05 (0.00%) | 124,574 % of Total: 100.00% (124,574) | 60.98% Avg for View: 60.98% (0.00%) | 48.14% Avg for View: 48.14% (0.00%) |
| 1. / | 45,434 (17.56%) | 37,113 (17.91%) | 00:01:51 | 32,222 (25.87%) | 56.18% | 51.16% |
| 2. /white-papers/ | 18,665 (7.21%) | 13,085 (6.32%) | 00:02:57 | 6,888 (5.53%) | 53.70% | 51.89% |
| 3. /5g-ppp-phase-3-projects/ | 7,660 (2.96%) | 4,098 (1.98%) | 00:00:58 | 1,335 (1.07%) | 47.05% | 20.21% |
| 4. /5g-trials-roadmap/ | 6,956 (2.69%) | 5,394 (2.60%) | 00:02:15 | 2,651 (2.13%) | 57.93% | 45.64% |
| 5. /5g-ppp-phase-2-projects/ | 6,525 (2.52%) | 3,526 (1.70%) | 00:00:59 | 1,297 (1.04%) | 43.56% | 17.64% |
| 6. /5g-vinni/ | 4,435 (1.71%) | 3,801 (1.83%) | 00:03:17 | 2,776 (2.23%) | 60.51% | 59.77% |
| 7. /roadmaps/ | 4,312 (1.67%) | 3,210 (1.55%) | 00:02:09 | 1,208 (0.97%) | 55.32% | 40.12% |
| 8. /5g-trials-2/ | 4,247 (1.64%) | 3,168 (1.53%) | 00:03:21 | 1,927 (1.55%) | 68.33% | 52.70% |
| 9. /event-calendar/ | 4,188 (1.62%) | 3,430 (1.66%) | 00:01:20 | 1,331 (1.07%) | 64.31% | 40.11% |
| 10. /verticals/ | 3,933 (1.52%) | 2,830 (1.37%) | 00:01:25 | 1,301 (1.04%) | 56.15% | 32.21% |
| 11. /5g-ppp-phase-1-projects/ | 3,902 (1.51%) | 2,983 (1.44%) | 00:01:18 | 914 (0.73%) | 46.56% | 21.86% |
| 12. /5g-infrastructure-association/ | 3,732 (1.44%) | 3,106 (1.50%) | 00:01:54 | 2,235 (1.79%) | 53.15% | 48.10% |
| 13. /european-5g-actions/ | 3,493 (1.35%) | 2,823 (1.36%) | 00:01:09 | 897 (0.72%) | 53.63% | 28.31% |
| 14. /5g-ppp-phase-3-information-day/ | 3,432 (1.33%) | 2,867 (1.38%) | 00:07:26 | 2,095 (1.68%) | 63.14% | 70.10% |
| 15. /5g-ppp-work-groups/ | 3,243 (1.25%) | 2,752 (1.33%) | 00:02:22 | 1,327 (1.07%) | 60.59% | 44.65% |
| 16. /annual-journal/ | 2,978 (1.15%) | 2,275 (1.10%) | 00:02:29 | 833 (0.67%) | 42.89% | 39.79% |
| 17. /5g-eve/ | 2,864 (1.11%) | 2,399 (1.16%) | 00:02:35 | 1,390 (1.12%) | 51.15% | 47.80% |
| 18. /our-members/ | 2,681 (1.04%) | 2,312 (1.12%) | 00:02:35 | 1,531 (1.23%) | 62.66% | 57.07% |
| 19. /kpis/ | 2,646 (1.02%) | 2,409 (1.16%) | 00:02:54 | 2,013 (1.62%) | 81.68% | 73.58% |
| 20. /projects/ | 2,528 (0.98%) | 1,861 (0.90%) | 00:01:32 | 1,070 (0.86%) | 56.30% | 38.57% |
| 21. /5genesis/ | 2,506 (0.97%) | 2,153 (1.04%) | 00:03:15 | 1,197 (0.96%) | 51.16% | 54.59% |
| 22. /metis-ii/ | 2,300 (0.89%) | 1,978 (0.95%) | 00:03:21 | 1,615 (1.30%) | 59.57% | 61.17% |
| 23. /5g-mobix/ | 2,294 (0.89%) | 1,937 (0.93%) | 00:03:07 | 1,482 (1.19%) | 69.26% | 65.61% |
| 24. /news/ | 1,879 (0.73%) | 1,536 (0.74%) | 00:00:40 | 238 (0.19%) | 43.70% | 24.91% |
| 25. /5gcar/ | 1,633 (0.63%) | 1,357 (0.65%) | 00:02:29 | 976 (0.78%) | 55.41% | 56.52% |

Top 25 web pages

| Event Label | Total Events | Unique Events | Event Value |
|---|--|--|-------------------------------|
| | 20,329 % of Total: 33.41% (60,842) | 18,772 % of Total: 33.58% (55,895) | 0 % of Total: 0.00% (0) |
| 1. https://5g-ppp.eu/wp-content/uploads/2018/01/5g-ppp-5g-architecture-white-paper-jan-2018-v2.0.pdf | 1,675 (8.24%) | 1,541 (8.21%) | 0 (0.00%) |
| 2. https://5g-ppp.eu/wp-content/uploads/2018/07/5gppp-software-network-wg-white-paper-july-2018.pdf | 1,344 (6.61%) | 1,258 (6.70%) | 0 (0.00%) |
| 3. https://5g-ppp.eu/wp-content/uploads/2018/11/5ginfrapp-trialswg_roadmap_version4.0.pdf | 924 (4.55%) | 859 (4.58%) | 0 (0.00%) |
| 4. https://bscw.5g-ppp.eu/pub/bscw.cgi/d257916/euro%205g%20annual%20journal%202018-v1.1.pdf | 862 (4.24%) | 799 (4.26%) | 0 (0.00%) |
| 5. https://5g-ppp.eu/wp-content/uploads/2018/02/5g-ppp-automotive-wg-white-paper_feb.2018.pdf | 849 (4.18%) | 775 (4.13%) | 0 (0.00%) |
| 6. https://5g-ppp.eu/wp-content/uploads/2014/02/5g-ppp-5g-architecture-wp-july-2016.pdf | 833 (4.10%) | 783 (4.17%) | 0 (0.00%) |
| 7. https://5g-ppp.eu/wp-content/uploads/2018/05/5ginfrapp-trialswg_roadmap_version3.0.pdf | 605 (2.98%) | 584 (3.11%) | 0 (0.00%) |
| 8. https://bscw.5g-ppp.eu/pub/bscw.cgi/d293672/5g%20ppp%20automotive%20wg_white%20paper_feb2019.pdf | 485 (2.39%) | 428 (2.28%) | 0 (0.00%) |
| 9. https://5g-ppp.eu/wp-content/uploads/2014/02/5g-ppp-white-paper-phase-1-security-landscape_june-2017.pdf | 454 (2.23%) | 424 (2.26%) | 0 (0.00%) |
| 10. https://5g-ppp.eu/wp-content/uploads/2015/10/5gppp-brochure-final-web.pdf | 362 (1.78%) | 333 (1.77%) | 0 (0.00%) |
| 11. https://5g-ppp.eu/wp-content/uploads/2014/02/5g-ppp-use-cases-and-performance-evaluation-modeling_v1.0.pdf | 358 (1.76%) | 337 (1.80%) | 0 (0.00%) |
| 12. https://5g-ppp.eu/wp-content/uploads/2017/11/5gppp-brochure-phase2-final-web.pdf | 341 (1.68%) | 305 (1.62%) | 0 (0.00%) |
| 13. https://5g-ppp.eu/wp-content/uploads/2016/04/5g-col-agrmnt-after-consultation-july2-2015-final-version.pdf | 305 (1.50%) | 271 (1.44%) | 0 (0.00%) |
| 14. https://5g-ppp.eu/wp-content/uploads/2014/02/5g-ppp-white-paper-on-automotive-vertical-sectors.pdf | 290 (1.43%) | 263 (1.40%) | 0 (0.00%) |
| 15. https://5g-ppp.eu/wp-content/uploads/2017/05/5ginfrapp-trials-roadmap-strategy_short_28-february-2017.pdf | 285 (1.40%) | 275 (1.46%) | 0 (0.00%) |
| 16. https://5g-ppp.eu/wp-content/uploads/2017/03/5gppp-brochure-final-web-mwc.pdf | 284 (1.40%) | 262 (1.40%) | 0 (0.00%) |
| 17. https://bscw.5g-ppp.eu/pub/bscw.cgi/d300752/euro%205g%20ppp%20annual%20journal%202019.pdf | 283 (1.39%) | 252 (1.34%) | 0 (0.00%) |
| 18. https://5g-ppp.eu/wp-content/uploads/2016/02/5g-ppp-white-paper-on-ehealth-vertical-sector.pdf | 266 (1.31%) | 246 (1.31%) | 0 (0.00%) |
| 19. https://5g-ppp.eu/wp-content/uploads/2018/06/nmq-wg_brochure_web.pdf | 264 (1.30%) | 245 (1.31%) | 0 (0.00%) |
| 20. https://5g-ppp.eu/wp-content/uploads/2017/03/networkmanagement_whitepaper_1.pdf | 258 (1.27%) | 234 (1.25%) | 0 (0.00%) |
| 21. https://5g-ppp.eu/wp-content/uploads/2019/02/5g-ia-position-paper-smart-networks-and-services_horizon-europe.pdf | 243 (1.20%) | 226 (1.20%) | 0 (0.00%) |
| 22. https://5g-ppp.eu/wp-content/uploads/2014/02/5g-ppp-softnets_wg_whitepaper_v20.pdf | 230 (1.13%) | 216 (1.15%) | 0 (0.00%) |
| 23. https://5g-ppp.eu/wp-content/uploads/2019/02/190228_5ginfrapp-psm-phase3.il_v1.1.pdf | 219 (1.08%) | 206 (1.10%) | 0 (0.00%) |
| 24. https://5g-ppp.eu/wp-content/uploads/2016/02/brochure_5ppp_bat2_pl.pdf | 215 (1.06%) | 199 (1.06%) | 0 (0.00%) |
| 25. https://5g-ppp.eu/wp-content/uploads/2014/02/5g-ppp-white-paper-on-factories-of-the-future-vertical-sector.pdf | 211 (1.04%) | 199 (1.06%) | 0 (0.00%) |

Top 25 downloads

5G PPP Webinars

- “Europe accelerates towards 6G”
 - ICT 52 Projects: March 16th
 - Panel discussion format



Thank you

<https://5g-ppp.eu/full-5g/>

Acknowledgements:

The work conducted by FULL5G receives funding from the European Commission H2020 under grant agreement N° : 856777