driver+

Driving Innovation in Crisis Management for European Resilience

D952.71 – FINAL CONFERENCE

SP95 - IMPACT, ENGAGEMENT AND SUSTAINABILITY

FEBRUARY 2020 (M70)

This project has received funding from the European Union's 7th Framework Programme for Research, Technological Development and Demonstration under Grant Agreement (GA) N° #607798

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Contact:	coordination@projectdriver.eu

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Revision Table

Issue	Date	Comment	Author
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V0.2	12/03/2020	Peer review	Francisco Gala (ATOS)
V0.3	13/03/2020	Peer review	Elodie Reuge (EOS)
V0.6	13/03/2020	Final check and approval for submission	Tim Stelkens-Kobsch, DLR, Quality Manager
V0.7	17/03/2020	Additions to Chapter 1	Andreas Seipelt, ARTTIC
V0.8	17/03/2020	Final check and approval for submission	Marijn Rijken, TNO, Project Director
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The DRIVER+ project

Current and future challenges, due to increasingly severe consequences of natural disasters and terrorist threats, require the development and uptake of innovative solutions that are addressing the operational needs of practitioners dealing with Crisis Management. DRIVER+ (Driving Innovation in Crisis Management for European Resilience) is a FP7 Crisis Management demonstration project aiming at improving the way capability development and innovation management is tackled. DRIVER+ has three main objectives:

1. Develop a pan-European Test-bed for Crisis Management capability development:
    a. Develop a common guidance methodology and tool, supporting Trials and the gathering of lessons learnt.
    b. Develop an infrastructure to create relevant environments, for enabling the trialling of new solutions and to explore and share Crisis Management capabilities.
    c. Run Trials in order to assess the value of solutions addressing specific needs using guidance and infrastructure.
    d. Ensure the sustainability of the pan-European Test-bed.
2. Develop a well-balanced comprehensive Portfolio of Crisis Management Solutions:
    a. Facilitate the usage of the Portfolio of Solutions.
    b. Ensure the sustainability of the Portfolio of Solutions.
3. Facilitate a shared understanding of Crisis Management across Europe:
    a. Establish a common background.
    b. Cooperate with external partners in joint Trials.
    c. Disseminate project results.

In order to achieve these objectives, five Subprojects (SPs) have been established. **SP91** ***Project Management*** is devoted to consortium level project management, and it is also in charge of the alignment of DRIVER+ with external initiatives on Crisis Management for the benefit of DRIVER+ and its stakeholders. In DRIVER+, all activities related to Societal Impact Assessment are part of **SP91** as well. **SP92** ***Test-bed*** will deliver a guidance methodology and guidance tool supporting the design, conduct and analysis of Trials and will develop a reference implementation of the Test-bed. It will also create the scenario simulation capability to support execution of the Trials. **SP93** ***Solutions*** will deliver the Portfolio of Solutions which is a database driven web site that documents all the available DRIVER+ solutions, as well as solutions from external organisations. Adapting solutions to fit the needs addressed in Trials will be done in **SP93**. **SP94** ***Trials*** will organize four series of Trials as well as the Final Demo (FD). **SP95** ***Impact, Engagement and Sustainability***, is in charge of communication and dissemination, and also addresses issues related to improving sustainability, market aspects of solutions, and standardisation.

The DRIVER+ Trials and the Final Demonstration will benefit from the DRIVER+ Test-bed, providing the technological infrastructure, the necessary supporting methodology and adequate support tools to prepare, conduct and evaluate the Trials. All results from the Trials will be stored and made available in the Portfolio of Solutions, being a central platform to present innovative solutions from consortium partners and third parties, and to share experiences and best practices with respect to their application. In order to enhance the current European cooperation framework within the Crisis Management domain and to facilitate a shared understanding of Crisis Management across Europe, DRIVER+ will carry out a wide range of activities. Most important will be to build and structure a dedicated Community of Practice in Crisis Management, thereby connecting and fostering the exchange of lessons learnt and best practices between Crisis Management practitioners as well as technological solution providers.

Executive summary

This deliverable **D952.71** ***DRIVER+ Final Conference*** provides written proof of the implementation of the DRIVER+ Final Conference which was held from the 18th to 20st of February 2020 in Brussels. The actual deliverable is the implementation of the event itself. This document will therefore only give a short and concise overview of the event, its attendance and provide access to the electronic proceedings.

The DRIVER+ Advanced Crisis Management Conference (Final Conference) was held from the 18th to 20th of February 2020 at BluePoint in Brussels. The event was attended by over 220 participants covering a wide geographic and thematic background, including Crisis Management specialists, academics and technology developers from throughout Europe and beyond.

The conference was the culmination of several years of work and provided a unique overview of how Crisis Management organisations can use the project's outputs to select and evaluate solutions addressing identified Crisis Management gaps on a thorough, methodological basis. It constituted an invaluable opportunity to access cutting-edge research, Trial feedback and technological solutions, with assessment insights from leading researchers and practitioners. Based on the feedback received from the participants the event can be regarded as a huge success and a very important step towards the sustainability of the project outcome.

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1. Overview of the DRIVER+ Final Conference

The DRIVER+ Advanced Crisis Management Conference (Final Conference) was held from the 18th to 20th of February 2020 at BluePoint in Brussels. The conference was the culmination of six years of work and provided a unique overview of how Crisis Management organisations can use the project's outputs to select and evaluate solutions addressing identified Crisis Management gaps on a thorough, methodological basis. It constituted an invaluable opportunity to access cutting-edge research, Trial feedback and technological solutions, with assessment insights from leading researchers and practitioners.

The DRIVER+ Final Conference had two main objectives. The first one was to showcase and demonstrate the DRIVER+ sustainable outputs – the Trial Guidance Methodology, the Test-bed Technical Infrastructure, the Training Module, the Portfolio of Solutions, the Centre of Expertise network, and the CMINE community – and to promote their use and adoption. The second was to put these outputs into a larger context of crisis management innovation and community-building.

The conference therefore aimed both at supporting the sustainability of DRIVER+ results and giving them sense by putting them in a larger framework. This double objective was reflected by the choice of speakers. The conference organisers opted for a mix of external speakers, some of them well-known, who would be addressing the bigger picture of crisis management and disaster risk reduction, and cross-cutting issues such as climate change and social inclusion, and of DRIVER+ internal speakers. By doing this, the strong visibility of the DRIVER+ project, its network and its results, at the event was ensured, while at the same time positioning these within "the bigger picture".

When designing the agenda of the Final Conference, the organisers paid special attention to giving equal space and time to all DRIVER+ outputs. A longer and somewhat original session was, however, scheduled for the trials, because it was the core activity of DRIVER+. Special attention was also paid by giving representatives from the European Commission, both from DG HOME and DG ECHO, the opportunity to present their views and reflection on the project's outputs, which also allowed us to give special weight to the event.

While DRIVER+ and its outputs were very present within the agenda, a parallel programme – a permanent, walk-in exhibition space for DRIVER+, and a marketplace exhibition reuniting all the internal and external solutions assessed at the trials was implemented. See Annex 2 for the full conference agenda and the agenda of the VIP event.

The event was attended by almost 300 participants (72 VIP event & 226 Final Conference) covering a wide geographic and thematic background, including Crisis Management specialists, academics and technology developers from throughout Europe and beyond (for the detailed agenda see Annex 2). Based on the feedback received from the participants (for detailed evaluation results please see **D952.14** ***Dissemination and Communication activities – Final report*** (1)) the event can be regarded as a huge success and a very important step towards the sustainability of the project outcome.

The following sections will provide a short and concise statistical overview of the event attendance (Section 2) while providing access to the electronic proceedings of the Final Conference (Section 3).

2. Event statistics

The following tables provide an overview of the total amount and composition of the group of attendees at the VIP event (18/02/2020) and the Final Conference (19-20/02/2020).

Table 2.1: Overview of VIP event attendees

Type	Number of participants
Internal	39
External	26
Speakers & exhibitors	7
Cancelled registrations / No-show	28
Total number of attendees	**72**

Table 2.2: Profile of external VIP event attendees

Type	Number of participants
Practitioners (incl. NGO representatives)	11
European Commission and agencies	6
Academics	5
Government representatives	4
Total	**26**

Table 2.3: VIP event external attendees' country of origin

Country	Number of participants
International institutions or unknown	8
UK	4
Estonia	3
Germany	2
Israel	2
Netherlands	2
Sweden	2
Switzerland	1
Greece	1
Norway	1
Total	**26**

Table 2.4: Overview of Final Conference attendees

Type	Number of participants
Internal	108
External	91
Speakers and exhibitors	27
Total registrations	324
Canceled registrations / No-show[1]	98
Total number of attendees	**226**

Table 2.5: Profile of external Final Conference attendees

Type	Number of participants
Practitioners	38
Private sector	19
European Commission and agencies	13
Academics	12
Other policymakers	8
Media	1
Total	**91**

Table 2.6: Final conference external attendees' country of origin

Country	Number of participants
International institutions or unknown	21
Netherlands	19
Germany	15
Belgium	9
UK	9
Finland	3
France	3

[1] The rather high number of cancellations/no-shows can to the largest extent be explained by taking into account several main influencing factors: a) the start of the COVID-19 pandemic that restricted people from travelling, either due to a travel-ban imposed by the company or their own choice; b) a rather larger number of cancelations due to illnesses; c) a free-to-attend event usually has a larger no-show rate than events that require a conference fee.

Country	Number of participants
Romania	3
Sweden	3
Czech Republic	2
Switzerland	1
Israel	1
Italy	1
Poland	1
Total	**91**

Table 2.7: Exhibitors – Solution providers

Company or institution	Solution
MDA	MDA Command & Control
Nelen and Schuurmans	3Di
WWU-C^{3}M	HumLogSuite
VWORLD	vieWTerra Suite
AnsuR	ASIGN
Austrian Insititue of Technology	CrowdTasker
IFRC Reference Center for Pyschosocial Support	Psychological First Aid (PFA) training
DLR	Airbone & Terrestrial Situational Awareness
Merlin	CrisisSuite
GMV	SOCRATES OC
Gnomon Informatics	eHealthPass

Table 2.8: Exhibitors – Project and initiatives

Institution	Project
Umeå University	Safety & Security Test Arena
Swedish Civil Contingencies Agency (MSB)	Early Responders Innovation Arena (ERIA)
H2020 consortium	MEDEA
H2020 consortium	FIRE-IN
H2020 consortium	DAREnet
EU Strategy for the Danube Region (EUSDR)	Environmental Risks Priority Area

3. Online proceedings

Table 3.1 below provides an overview of the key documents related to the Final Conference which were made accessible via the DRIVER+ public website. Here they will remain publicly available for three years after the end of the project.

Table 3.1: Electronic proceedings of the Final Conference

Description	URL
Overview page	https://www.driver-project.eu/final-conference/
Press release	https://www.driver-project.eu/driver-project-celebrates-major-achievements-and-successes/
Conference programme	https://www.driver-project.eu/wp-content/uploads/2020/03/Driver-Final-Conference-Programme-V1.0_WEB_Pages.pdf
Keynote presentations	https://www.driver-project.eu/advanced-crisis-management-conference-presentations/
Pictures	https://www.driver-project.eu/advanced-crisis-management-conference-pictures/
Trial experience visuals	https://www.driver-project.eu/wp-content/uploads/2020/03/Trial-Experience-Visuals.zip
DRIVER+ project report	http://online.fliphtml5.com/zjvxu/kbwq/

References

1. **DRIVER+ project.** *D952.14 - Dissemination and Communication activities - Final Report.* 2020.

Annexes

Annex 1 – DRIVER+ Terminology

In order to have a common understanding within the DRIVER+ project and beyond and to ensure the use of a common language in all project deliverables and communications, a terminology is developed by making reference to main sources, such as ISO standards and UNISDR. This terminology is presented online as part of the Portfolio of Solutions and it will be continuously reviewed and updated[2]. The terminology is applied throughout the documents produced by DRIVER+. Each deliverable includes an annex as provided hereunder, which holds an extract from the comprehensive terminology containing the relevant DRIVER+ terms for this respective document.

Table A1: DRIVER+ Terminology

Terminology	Definition	Source
Best Practice	This encompasses the preferred actions in a specific type of situation to efficiently and effectively achieve a certain objective. Best Practice may be formalised in internal policy documents such as handbooks and standard operation procedures and could be based on one or several Lesson Identified/ Lessons Learned approved by decision makers.	Initial DRIVER+ definition.
Community building	Practices directed toward the creation or enhancement of community among individuals within a regional area (such as a neighbourhood) or with a common interest.	Initial DRIVER+ definition.
Community of Practice	A platform that facilitates and fosters cooperation and synergies among Crisis Management professionals. A broad variety of stakeholders including practitioners, researchers, industry representatives and/or policy makers can exchange knowledge and best practices and initiate cooperation on Crisis Management topics. DRIVER+ note 1: Within DRIVER+ it is implemented as the CMINE consisting of an online platform and face to face meetings.	Initial DRIVER+ definition.

[2] The Portfolio of Solutions and the terminology of the DRIVER+ project are accessible on the DRIVER+ public website (https://www.driver-project.eu/). Further information can be received by contacting coordination@projectdriver.eu.

Crisis management	Holistic management process that identifies potential impacts that threaten an organization and provides a framework for building resilience, with the capability for an effective response that safeguards the interests of the organization's key interested parties, reputation, brand and value-creating activities, as well as effectively restoring operational capabilities. Note 1 to entry: Crisis management also involves the management of preparedness, mitigation response, and continuity or recovery in the event of an incident, as well as management of the overall programme through training, rehearsals and reviews to ensure the preparedness, response and continuity plans stay current and up-to-date.	ISO 22300:2018(en) Security and resilience — Vocabulary.
Disaster risk reduction	Disaster risk reduction is the policy objective aimed at preventing new and reducing existing disaster risk and managing residual risk, all of which contributes to strengthening resilience.	UNISDR: Terminology on Disaster Risk Reduction: A Technical Review. August 2015 p14.
End-users	Individual person who ultimately benefits from the outcomes of the system. Note 1 to entry: The End-user can be a regular operator of the software product or a casual user such as a member of the public. DRIVER+ Note 1: In the context of DRIVER+ End-user encompasses practitioners, solution providers and other stakeholders.	ISO/IEC 25010:2011(en) Systems and software engineering — Systems and software Quality Requirements and Evaluation (SQuaRE) — System and software quality models
Gap	Difference between the existing capabilities of responders and what was actually needed for effective and timely response.	Adapted from Project Responder 5, Homeland Security, Science and Technology, August 2017.
Innovation	Implementation of a new or significantly improved product (good or service), or process, new marketing method, or new organizational method in business practices, workplace organization or external relations. ISO 37500:2014(en) Guidance on outsourcing, section 3.6: new or changed object (3.6.1) realizing or redistributing value.	ISO 9000:2015(en) Quality management systems — Fundamentals and vocabulary, 3.6.15.
Interoperability	The ability of diverse systems and organisations to work together, i.e. to interoperate.	ISO 22397:2014(en) Societal security — Guidelines for establishing partnering arrangements.
Lessons learned	Result of the lessons learning process.	Initial DRIVER+ definition.

Annex 2 – Agenda

Table A2: VIP event & Final Conference agendas

driver+ FINAL CONFERENCE
Driving Innovation in Crisis Management for European Resilience

DRIVER+ VIP event
Tuesday, 18th February 2020
BluePoint Brussels

Agenda

Facilitator: Albrecht Beck, Prepared International
Room: Einstein AB (Floor -1)

13:00 Registration and welcome coffee

13:30 Welcome
Marcel van Berlo, DRIVER+ technical coordinator

13:45 Strengthening the role of research & innovation in Civil Protection – the rescEU Knowledge Network
Ilkka Salmi, European Commission – DG ECHO, Directorate B (Disaster Preparedness and Prevention)

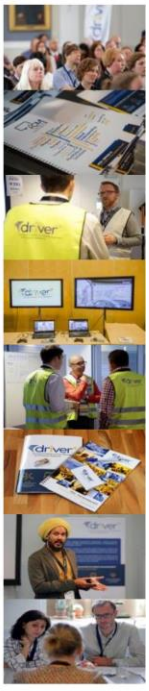
14:10 Emergency response and civil protection: Bridging a strategic gap
Chris Addiers, Federation of the EU Fire Officers Associations

14:30 DRIVER+ – Project Overview and Achievements
Marcel van Berlo, DRIVER+ technical coordinator

15:00 Guided tours of the exhibition area with demonstrations of all main DRIVER+ outputs
Parallel coffee break

16:15 The DRIVER+ Legacy – Establishing New Centres of Expertise
Signature ceremony

16:45 Policy Recommendations regarding the Sustainability of DRIVER+ Outputs
Chair: Albrecht Beck, Prepared International
Panelists:
- Philippe Quevauviller, European Commission - DG HOME
- Ionut Homeag, European Commission - DG ECHO, Unit A1 (Emergency Response Coordination Centre (ERCC))
- Alessandra Zampieri, European Commission - Joint Research Centre (JRC)
- Kathleen van Heuverswyn, Campus Vesta
- Marcel van Berlo, TNO/DRIVER+



17:45 Reflections and way forward
Rob de Wijk, The Hague Centre for Strategic Studies (HCSS)

18:00 Cocktail reception

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Driving Innovation in Crisis Management for European Resilience

DRIVER + Advanced Crisis Management Conference

Unlocking the innovation potential in European crisis management

19th-20th February 2020
BluePoint Brussels

Draft agenda
Wednesday, 19th February, morning session

Facilitator: Albrecht Beck, Prepared International
Room: Einstein ABC (Floor -1)

8:45 Registration

9:30 Opening

9:35 Welcome
Felix Bloch, European Commission - DG ECHO, Directorate B (Disaster Preparedness and Prevention)

9:45 Climate Change as an Enabler of Wildfire
Matthew Jones, Tyndall Centre for Climate Change Research

10:05 The Next Innovation in Humanitarian Technology Must Be Radical Inclusion
Patrick Meier, WeRobotics

10:25 Keynote Q&A

10:45 DRIVER+ – Project Overview and Achievements
Marcel van Berlo, Netherlands Organisation for Applied Scientific Research TNO/DRIVER+

11:15 Coffee break

11:45 The DRIVER+ Key Outputs:
Trial Guidance Methodology Chiara Fonio, JRC/DRIVER+
Test-bed Technical Infrastructure Erik Vullings, TNO/DRIVER+
Training Module Steven van Campen, XVR/DRIVER+
Portfolio of Solutions Denis Havlik, AIT/DRIVER+
Centres of Expertise Network Agnese Macaluso, Ecorys/DRIVER+
CMINE Community Todor Tagarev, Bulgarian Academy of Sciences/DRIVER+

12:30 Lunch & Tour of DRIVER+ Exhibition and Marketplace

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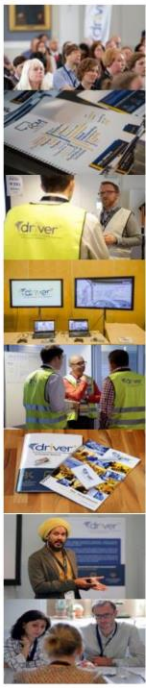
19th-20th February 2020
BluePoint Brussels

Draft agenda
Wednesday, 19th February, afternoon session

Facilitator: Albrecht Beck, Prepared International
Room: Einstein ABC (Floor -1)

14:00 EU Next Generation Emergency Mapping
Konstanze Lechner, German Aerospace Centre (DLR)/DRIVER+

14:15 The DRIVER+ Trial Experience
Chiara Fonio, Joint Research Centre (JRC)/DRIVER+
Steven van Campen, XVR Simulation/DRIVER+
Erik Vullings, TNO/DRIVER+
Selected DRIVER+ trial organisers:
Alice Clemenceau, Valabre
Carsten Dalaff, German Aerospace Centre (DLR)
André de Rond, Veiligheidsregio Haaglanden (VRH)
Tomasz Zwęgliński, Polish Main School of Fire Service (SGSP)
Selected providers of solutions assessed at the D+ trials:
Martha Bird, Danish Red Cross: Psychological First Aid training
Ruud van den Beukel, Merlin: CrisisSuite
Joost van der Hammen, Nelen & Schuurmans: 3Di



16:00 Coffee break

16:30 Knowledge Management, because the Whole is Greater than the Sum of the Parts
Karmen Poljansek, Disaster Risk Management Knowledge Centre (DRMKC), European Commission

16:50 The DRIVER+ Portfolio of Solutions
Denis Havlik, Austrian Institute of Technology (AIT)/DRIVER+

17:00 Top 3 Innovative Solutions in Crisis Management Contest
Award ceremony
Todor Tagarev, DRIVER+

17:30 Summary of the Day
Philippe Quevauviller, DG HOME, European Commission

17:45 Tour of DRIVER+ Exhibition and Marketplace

18:00 Networking buffet

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DRIVER + Advanced Crisis Management Conference

Unlocking the innovation potential in European crisis management

19th-20th February 2020
BluePoint Brussels

Draft agenda
Thursday, 20th February

Facilitator: Albrecht Beck, Prepared International
Room: Einstein ABC (Floor -1)

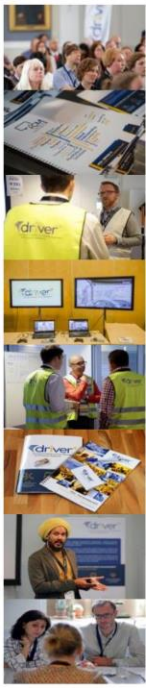
9:30 Welcome by the European Commission to Day 2
Angelo Marino, Unit B4 Safeguarding Secure Society, Research Executive Agency (REA), European Commission

9:40 Strengthening Links between Technologies and Society for European Disaster Resilience
Kees Boersma, VU Amsterdam

10:00 Building a Strong European Crisis Management Community
The Portfolio of Solutions and the Crisis Management Innovation Network Europe (CMINE)
Chair: Albrecht Beck, Prepared International
With:
Max Brandt, European Commission - DG HOME
Harald Drager, The International Emergency Management Society (TIEMS)
Harm Bastian Harms, Johanniter Germany
Joerg Szarzynski, United Nations University - Institute for Environment and Human Security (UNU-EHS)
Todor Tagarev, Bulgarian Academy of Sciences/DRIVER+

10:45 Coffee break

11:15 Standardisation in DRIVER+. White Paper Presentation
Marie-Christine Bonnamour, Public Safety Communication Europe (PSCE)/DRIVER+



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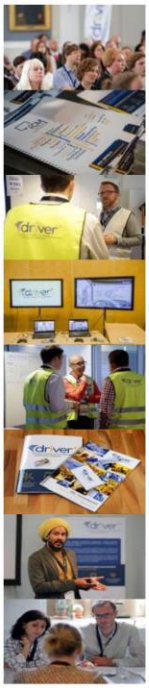
Draft agenda
Thursday, 20th February

Facilitator: Albrecht Beck, Prepared International
Room: Einstein ABC (Floor -1)

11:25 An Example for the National Uptake of Security Research Outputs: The Lithuanian Model of Centres of Competence
Egidija Veršinskienė, Lithuanian Cybercrime Center of Excellence for Training, Research & Education (L3CE)

11:45 Adopting D+ Solutions: The Centres of Expertise (CoE) Network
Chair: Brigitte Slot, Ecorys
With:
Jon Hall, Resilience Advisors Network (RAN)
Anna Nałęcz-Kobierzycka, Space Research Centre of the Polish Academy of Sciences (SRC PAS)
Christian Resch, Disaster Competence Network Austria (DCNA)
Thomas Seltsam, Austrian Red Cross (ARC)



12:30 The DRIVER+ Legacy: Establishing New Centres of Expertise
Signature ceremony

13:00 The DRIVER+ Legacy: Looking into the Future
Marcel van Berlo, TNO/DRIVER+

13:15 Lunch

14:00 End of conference

Permanent parallel programme

DRIVER+ exhibition: Discover our key outputs
Lobby (Floor -1)

Marketplace: Meet our solution providers and related projects
Baekeland & Lobby Baekeland (Floor -1)

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