

Marie Skłodowska-Curie Actions

Grant agreement ID 101031688

**PLATON - Platform-aware LARge-scale Time-Series
prOcessiNg**



Deliverables of WP5 of PLATON

D5.1: Project Logo, Web Site, and Social Media Accounts

D5.2: Press Releases

D5.3: Publications

D5.4: Technical Reports and Studies

D5.5: Presentations in Conferences and posters

Edited by Panagiota Fatourou

September 2022

D5.1 LOGO, WEB SITE, SOCIAL MEDIA ACCOUNTS

The logo of PLATON is shown below. It nicely captures the fact that PLATON copes with data series and their summaries.



Figure 1: The logo of PLATON.

The web site of PLATON can be found at: <https://platon.mi.parisdescartes.fr/>. The web site provides access to publications, press releases, presentations, and other material related to the project. The first page of PLATON web site is presented below.

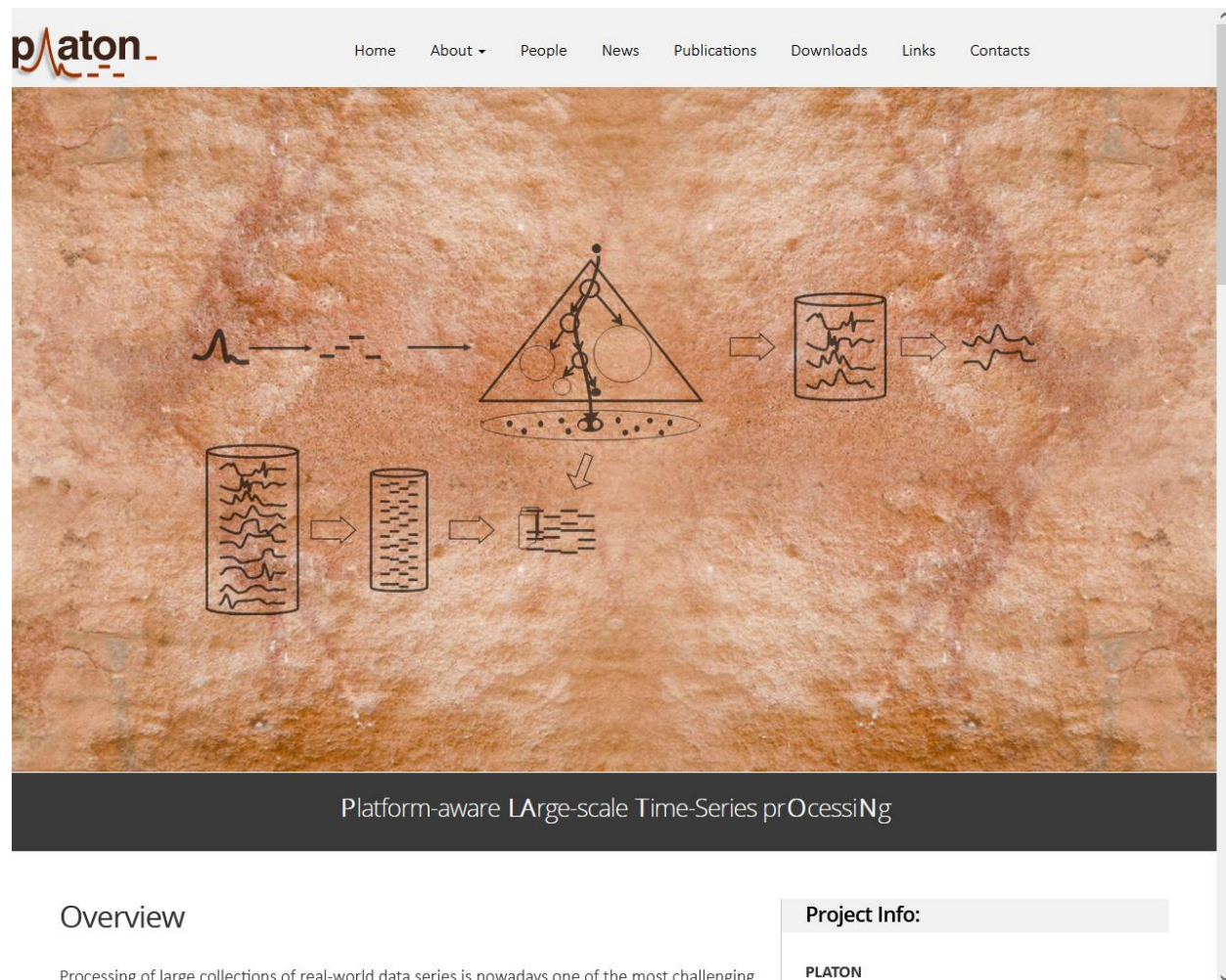


Figure 2: First page of the web site of PLATON.

The photo has been inspired by the *Allegory of the Cave*¹, Plato, *The Republic*. When researchers start working in new research projects, it is sometimes like they are in a dark cave where they know just the previous research results and can only utilize existing methods to solve a problem.

¹ <https://www.youtube.com/watch?v=JIw3ACO9HS0>

This can be however kind of restrictive, as new methods, tools, techniques, and ways may be needed for pursuing new research efficiently. We do hope that in PLATON, we managed *to look up* and see new paths to achieve our research outcomes. We also hope that our research results are not just shadows but *the actual way to the light*.

The LinkedIn account of the project can be found under the following link: <https://www.linkedin.com/groups/14013902/> . It lists more than 150 members. All social media accounts of the project are described in more detail, in deliverable D1.1. The picture below shows the LinkedIn account of PLATON.

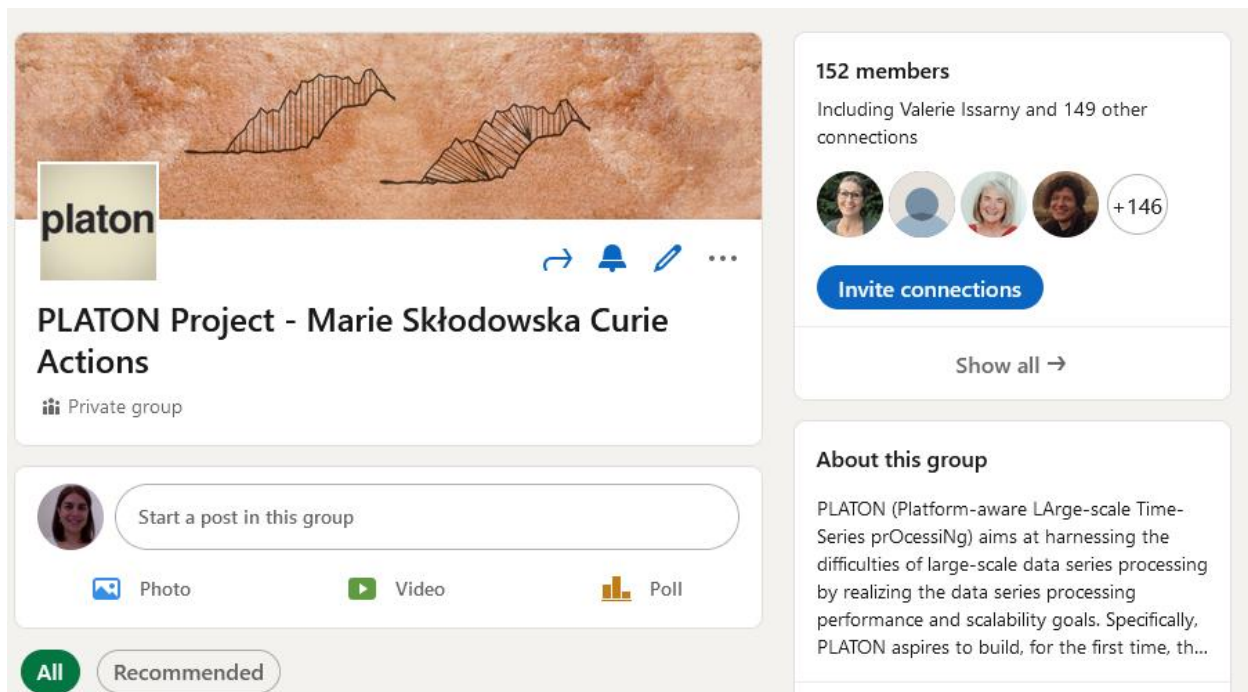


Figure 3: PLATON at LinkedIn.

D5.2 PRESS RELEASES

PLATON has released two press releases, one at the beginning and one at the end of the project. They can be found under the following links:

Press release issued at the beginning of the project:

<http://lipade.mi.parisdescartes.fr/wp-content/uploads/2021/11/PLATON-en-Oct2021-PressRelease.pdf>

Press release issued at the end of the project:

<http://lipade.mi.parisdescartes.fr/wp-content/uploads/2022/10/PLATON-en-Oct2022-PressRelease.pdf>

Deliverable D5.3: PUBLICATIONS

Papers submitted for publication to journals (2)

1. Botao Peng, Panagiota Fatourou, and Themis Palpanas, ``SING: Sequence Indexing Using GPUs,’’ *submitted for journal publication*. LIPADE-TR-No 8, October 2022. A preliminary version of this work has appeared in the Proceedings of the 37th IEEE International Conference on Data Engineering (ICDE 2021), April 2021, IEEE, ISBN 978-1-7281-9184-3.
2. Karima Echihabi, Panagiota Fatourou, Kostas Zoumpatianos, Themis Palpanas, Houda Benbrahim, ``Hercules Against Data Series Similarity Search,’’ *submitted for journal publication*. LIPADE-TR-No 7, October 2022.

Peer-reviewed papers in Journals (1)

3. Manos Chatzakis, Panagiota Fatourou, Eleftherios Kosmas, Themis Palpanas, and Botao Peng, ``Odyssey: A Journey in the Land of Distributed Data Series Similarity Search,’’ In Proceedings of VLDB Endowment, Volume 13, Number 5, 2023 (to appear).

Peer-reviewed papers in Conferences and Workshops (5)

4. Panagiota Fatourou, Nikolaos D. Kallimanis, and Eleftherios Kosmas, ``The performance power of software combining in persistence,’’ In Proceedings of 27th ACM SIGPLAN Symposium on Principles and Practice of Parallel Programming, pp. 337-352, April 2022, ACM, ISBN 978-1-4503-9204-4. **BEST PAPER AWARD.**
5. Hagit Attiya, Ohad Ben-Baruch, Panagiota Fatourou, Danny Hendler and Eleftherios Kosmas, ``Detectable recovery of lock-free data structures,’’ In Proceedings of 27th ACM SIGPLAN Symposium on Principles and Practice of Parallel Programming (PPoPP’22), pp. 262-277, April 2022, ACM, ISBN 978-1-4503-9204-4.
6. Panagiota Fatourou, Nikolaos D. Kallimanis, Eleftherios Kosmas, ``Brief Announcement: Persistent Software Combining,’’ In Proceedings of the 35th International Symposium on Distributed Computing (DISC’21), October 2021, pp. 56:1-56:4, LIPIcs 209, Schloss Dagstuhl - Leibniz-Zentrum für Informatik, ISBN 978-3-95977-210-5.
7. Naama Ben-David, Guy E. Blelloch, Panagiota Fatourou, Eric Ruppert, Yihan Sun, and Yuanhao Wei, ``Space and Time Bounded Multiversion Garbage Collection,’’ In Proceedings of the 35th International Symposium on Distributed Computing (DISC’21), pp. 12:1-12:20, October 2021. LIPIcs 209, Schloss Dagstuhl - Leibniz-Zentrum für Informatik, ISBN 978-3-95977-210-5.
8. Panagiota Fatourou, Nikolaos D. Kallimanis, Eleftherios Kosmas, ``Recoverable Software Combining,’’ Presented at the 13th Annual Non-Volatile Memories Workshop (NVMW’22), University of California, San Diego, May 16, 2022 (participation in the virtual programme).

Reviewed articles in magazines (1)

11. Tommaso Di Noia, Nava Tintarev, Panagiota Fatourou, Markus Schedl, ``Recommender systems under European AI regulations,’’ *Communications of the ACM*, 65(4): 69-73, 2022.

Other articles in magazines (1)

12. P. Fatourou, “PLATON to Deliver Scalability and Performance for Large-Scale Data Series Processing”, HiPEACinfo, No 65, **Article 34 - Innovation Europe**, January 2023. Available at <https://www.hipeac.net/magazine/7161.pdf>

Deliverable D5.4: TECHICAL REPORTS AND STUDIES

1. Botao Peng, Panagiota Fatourou, and Themis Palpanas, ``SING: Sequence Indexing Using GPUs,`` submitted for journal publication. **LIPADE-TR-No 8**, October 2022. A preliminary version of this work has appeared in the Proceedings of the 37th IEEE International Conference on Data Engineering (ICDE 2021), April 2021, IEEE, ISBN 978-1-7281-9184-3.
2. Karima Echihabi, Panagiota Fatourou, Kostas Zoumpatianos, Themis Palpanas, Houda Benbrahim, ``Hercules Against Data Series Similarity Search,`` **LIPADE-TR-No 7**, October 2022.
3. Panagiota Fatourou Simple Data Series Indexing Techniques for a Multi-Node Environment, **FORTH ICS TR 479**, April 2022.
4. Panagiota Fatourou, Nikolaos D. Kallimanis, Eleftherios Kosmas, ``Persistent Software Combining,`` **FORTH ICS TR 480**, October 2022.
5. Hagit Attiya, Ohad Ben-Baruch, Panagiota Fatourou, Danny Hendler and Eleftherios Kosmas, ``Tracking in Order to Recover: Detectable Recovery of Lock-Free Data Structures,`` **FORTH ICS TR 481**, October 2022.
6. Naama Ben-David, Guy E. Blelloch, Panagiota Fatourou, Eric Ruppert, Yihan Sun, and Yuanhao Wei, ``Space and Time Bounded Multiversion Garbage Collection,`` **FORTH ICS TR 482**, October 2022.

Deliverable D5.5: PRESENTATIONS IN CONFERENCES AND POSTERS

Presentations in Conferences

The following papers have been presented in conferences:

1. Panagiota Fatourou, Nikolaos D. Kallimanis, and Eleftherios Kosmas, "The performance power of software combining in persistence," In Proceedings of 27th ACM SIGPLAN Symposium on Principles and Practice of Parallel Programming, pp. 337-352, April 2022, ACM, ISBN 978-1-4503-9204-4. **BEST PAPER AWARD.**
2. Hagit Attiya, Ohad Ben-Baruch, Panagiota Fatourou, Danny Hendler and Eleftherios Kosmas, "Detectable recovery of lock-free data structures," In Proceedings of 27th ACM SIGPLAN Symposium on Principles and Practice of Parallel Programming, pp. 262-277, April 2022, ACM, ISBN 978-1-4503-9204-4.
3. Panagiota Fatourou, Nikolaos D. Kallimanis, Eleftherios Kosmas, "Brief Announcement: Persistent Software Combining," In Proceedings of the 35th International Symposium on Distributed Computing (DISC'21), October 2021, pp. 56:1-56:4, LIPIcs 209, Schloss Dagstuhl - Leibniz-Zentrum für Informatik, ISBN 978-3-95977-210-5.
4. Naama Ben-David, Guy E. Blelloch, Panagiota Fatourou, Eric Ruppert, Yihan Sun, and Yuanhao Wei, "Space and Time Bounded Multiversion Garbage Collection," In Proceedings of the 35th International Symposium on Distributed Computing (DISC'21), pp. 12:1-12:20, October 2021. LIPIcs 209, Schloss Dagstuhl - Leibniz-Zentrum für Informatik, ISBN 978-3-95977-210-5.

Posters

1. Manos Chatzakis, Panagiota Fatourou, Eleftherios Kosmas, and Themis Palpanas, "Distributed Query Answering for Large Data Series Collections," Presented at the 4th Summit on Gender Equality in Computing (GEC'22), Thessaloniki, Greece, June 2022.
2. Manos Chatzakis, Panagiota Fatourou, Eleftherios Kosmas, Themis Palpanas, and Manolis Papadospiridakis, "DRESS: Scalable Multi-Node Data Series Indexing," Presented at the 4th Summit on Gender Equality in Computing (GEC'22), Thessaloniki, Greece, June 2022.

PLATON Poster

The PLATON poster can be found at https://platon.mi.parisdescartes.fr/PLATON_Oct2021_poster.pdf

PARTICIPATION IN PROGRAMME COMMITTEES

- 11th International Conference on Fun with Algorithms (*FUN'22*), Island of Favignana, Trapani, Sicily, Italy, May 2022. P. Fatourou was a member of the Programme Committee of the conference.
- 41st International Symposium on Reliable Distributed Systems (*SRDS'22*), Vienna, Austria, September 19-22, 2022. P. Fatourou was a member of the Programme Committee of the conference.

HONORS AND AWARDS

1. Currently serving as the **Past Chair** of the *ACM Europe Council*, October 2021 – June 2023.
2. **Member-at-large of the Steering Committee**, International Conference on Principles of Distributed Systems (*OPODIS*), elected on December 2019 for a two years term.

3. **Member of the Editorial Board**, *Communications of the ACM (CACM), Region Special Sections*, June 2021 - now
4. **Elected Member**, ACM Europe Council, July 2015 – June 2019 (first four-years term), July 2019 – now (re-elected for a second 4-years term). From July 2017 until October 2019 she was acting as the **Treasurer** of the Council.
5. **Member of the Advisory Board**, *International European Conference on Parallel and Distributed Computing (Euro-Par)*, 2011- now.
6. **Member of the Advisory Board**, Project RESET: Redesigning Equality and Scientific Excellence Together, <https://wereset.eu/>

FRENCH GRANTS APPROVED TO P. FATOUROU

7. UPC Research Visit Grant, Université Paris Cité (approved to P. Fatourou).
8. **FSMP Distinguished Professor Fellowship**, Foundation Sciences Mathématiques de Paris, France (stipend approved to P. Fatourou).