



## BibHelioTech

Vincent Génot, Axel Dablanç, Richard Hitier, Camille de Salabert, Sabine Barreaux, Pascal Cuxac, Guillaume Cabanac, Dominica Leung, Nicolas Aunai

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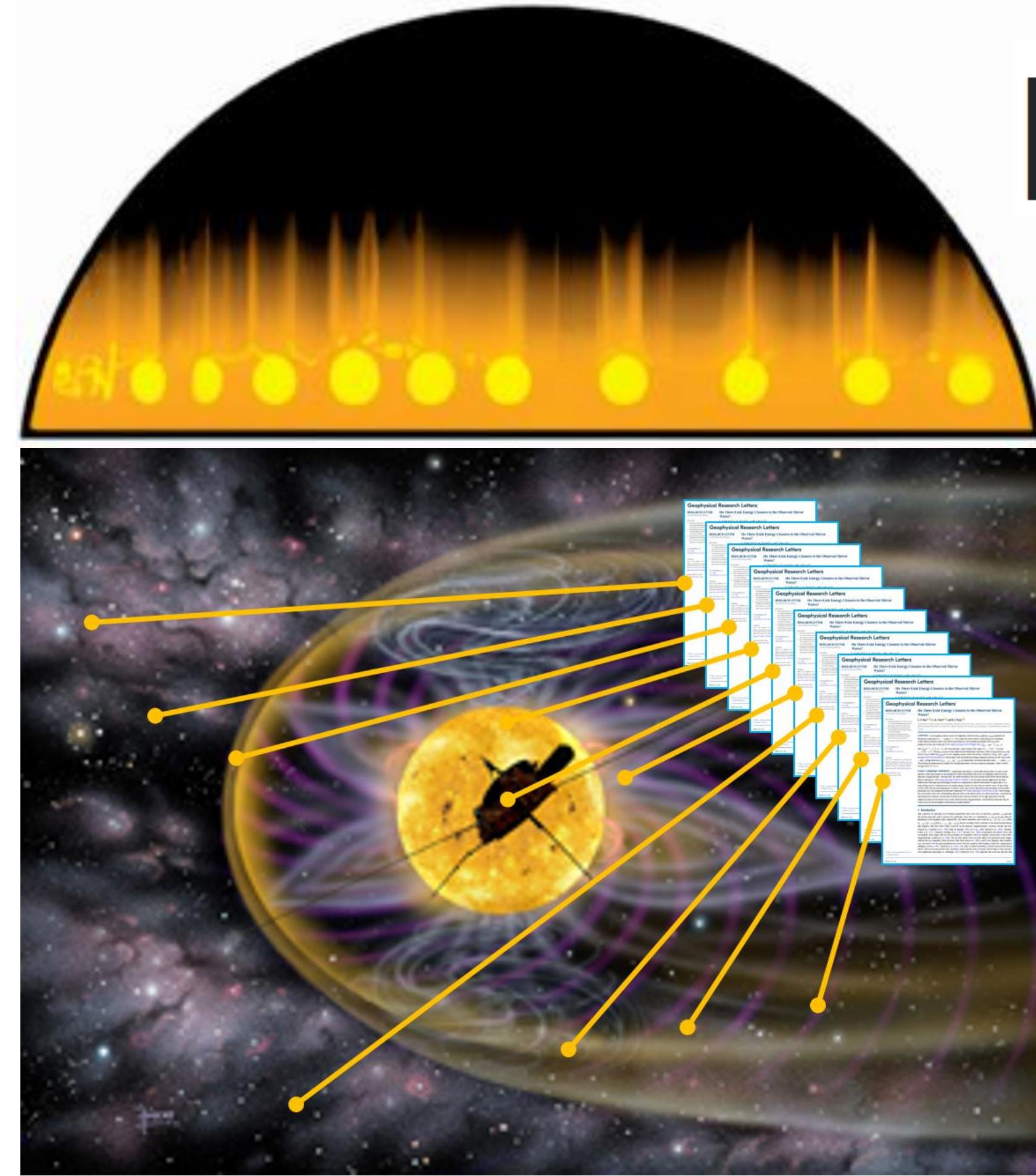
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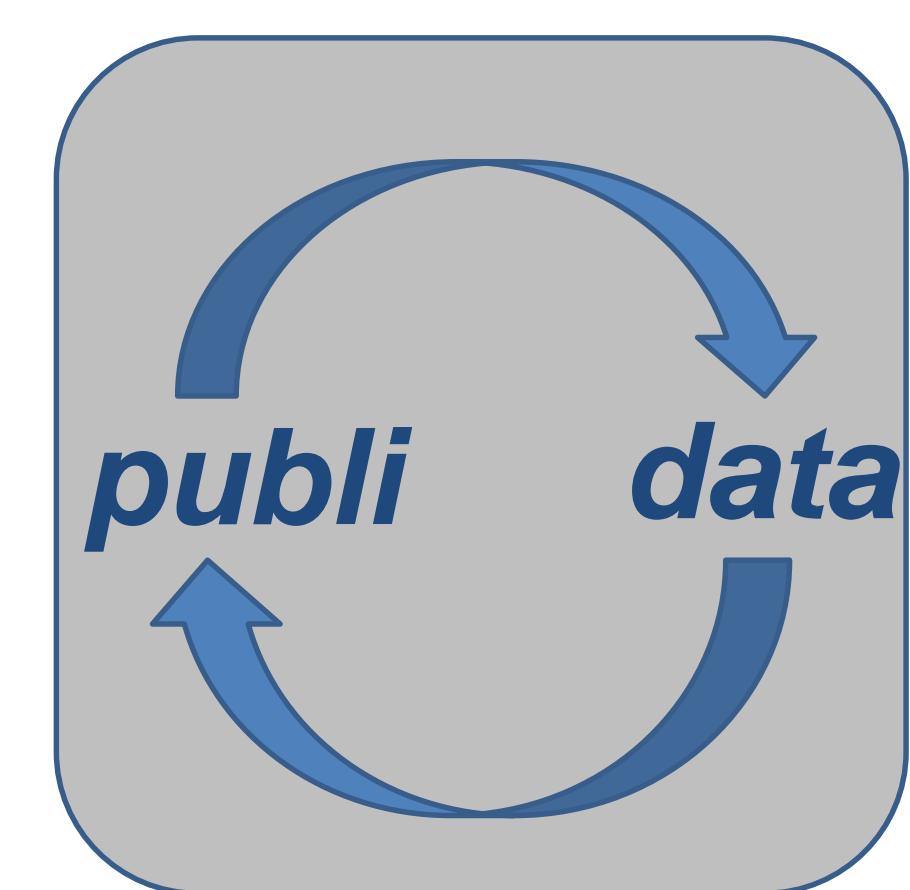
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# BibHelioTech

Vincent Génot, Axel Dablan, IRAP (Toulouse)  
Richard Hitier, SAPIE (Limoux)  
Camille de Salabert, Sabine Barreaux, Pascal Cuxac, Inist-CNRS (Nancy)  
Guillaume Cabanac, IRT (Toulouse)  
Dominique Leung, CNES (Toulouse)  
Nicolas Aunai, LPP (Palaiseau)

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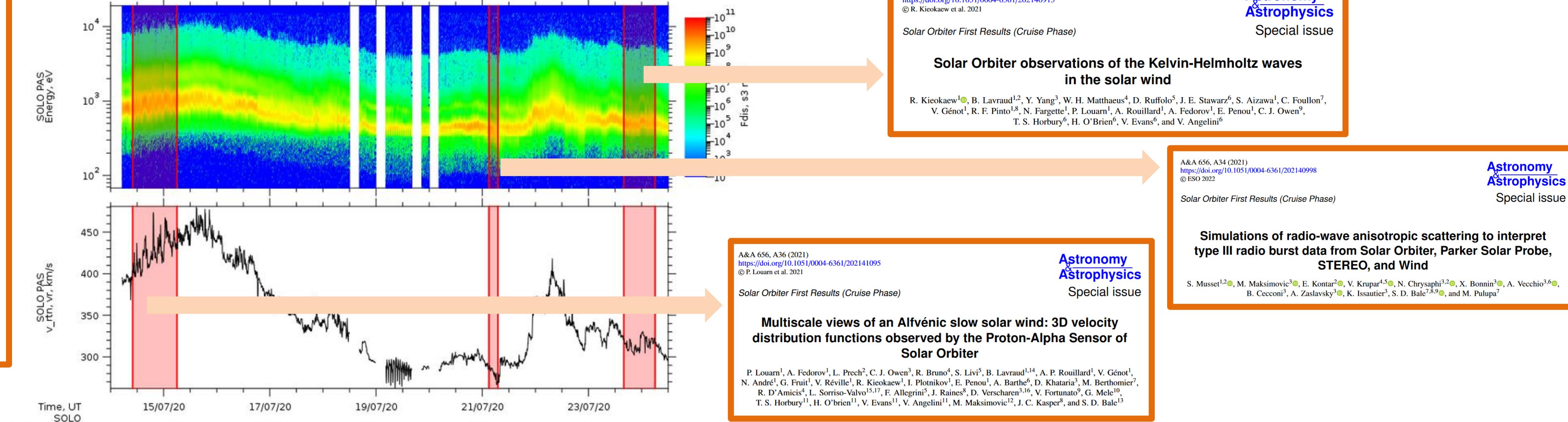


BibHelioTech is on GitHub

From a corpus of heliophysics articles using data from space missions, BibHelioTech carries out automated textual detections on the observed events, the satellites/instruments used, the spatial regions and the physical processes concerned, in order to link these entities with the publications from which they are extracted, in catalogs usable by the discipline's data analysis tools. This strong and systematized link between data and publications, non-existent to date, 1/ will increase the data analysis experience by immersing the researcher in the bibliographic context of their case study, 2/ will significantly improve the reproducibility of published results, and 3/ will facilitate the reuse of these catalogs in new statistical and comparative studies.

## Use case

- Visualization of Solar Orbiter PAS data in AMDA in July 2020
- The 3 intervals in red correspond to those studied in the 3 articles on the right
- BibHelioTech will produce catalogs, bridging intervals and articles, and readily integrable in tools like AMDA and Sciqlop



## Prototype pipeline and admin website

Upload / exé / database interface

#	Title	del	pdf	cat	run	status
1	ark_67375_80W-JTG4N0JL-N					finished 0:04:25
2	A51606C002834CBC0D0FEE52E896579C22E80384					finished 0:03:38
3	ark_67375_80W-FX5V24C-8					
4	ark_67375_80W-RTQRJRK-8					
5	ark_67375_80W-NGMLHKT-9					finished 0:02:54

```
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# Creation Date: 2023-10-10T13:53:00Z
# BiblioDB Catalogue of events detected from the HelioNER code (Dablan & Génot, "https://github.com/ADablan/BibHelioTech.git") on the paper
#"https://doi.org/10.1002/2017ja024061". The two first columns are the start/stop times of the event, the third column is the DOI of the paper, the fourth column is the mission that observed the event with the list of instruments (1 or more) listed in the fifth column. The sixth column is the most probable region of space where the observation took place (SPASE ObservedRegions term);
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# Parameter 2: id;column2; name:mission; size1: type:int;
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# Parameter 4: id;column4; name:REGIONS; size1: type:char;
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# Parameter 6: id;column6; name:R; size1: type:int;
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# Parameter 8: id;column8; name:nb_intervals; size1: type:int;
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