

# **Time Domain Interest Group**

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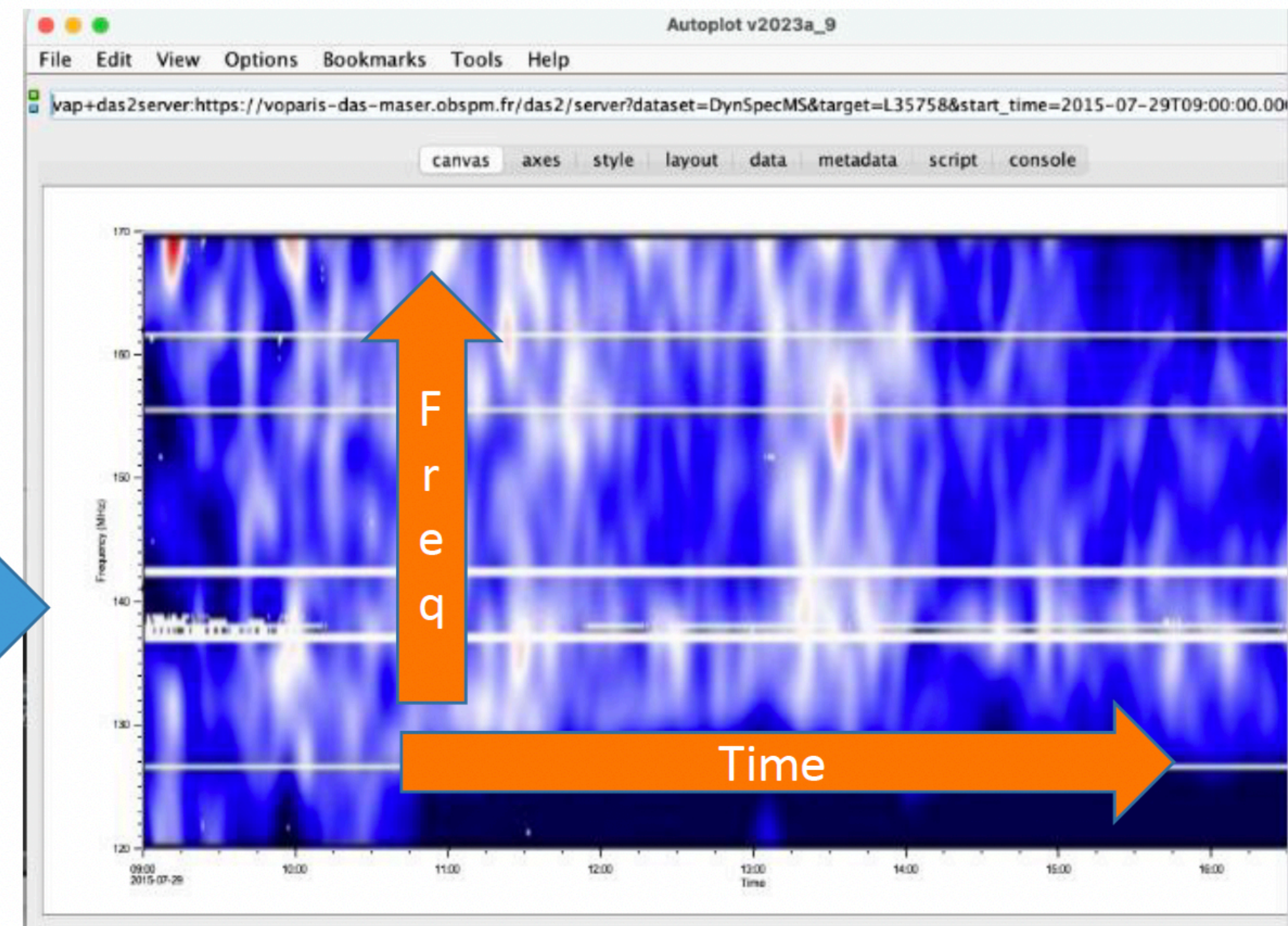
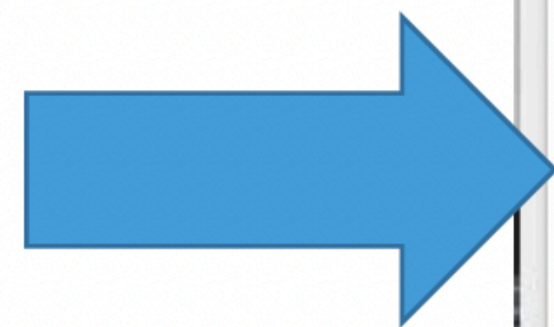
**IVOA Interop Meeting - May 2024 - Sydney, Australia**



# Summary after the Tucson Interop

Some Time key points during this Interop

- Time search:
  - Postponed in the Cone Search standard to the next major release
  - HAPI protocol for Heliophisic time data
- VOTable :
  - Effort on the epoch propagation
  - Parquet coupling
- New temporal data to manipulate





# Work since the last Interop meeting

- Moved the VOEvent version 2.1 WG to a request for comments phase. The TDIG members have provided feedback. <https://wiki.ivoa.net/twiki/bin/view/IVOA/VOEventV21RFC>.
- ObsCore extension for time-domain discovery. What quantities do we need to define in terms of time resolution, sampling, cadence, etc. Ongoing discussion with the radio group inspired from pulsar data, but trying to keep it general. <https://www.ivoa.net/documents/Notes/TimeSeriesDiscoveryAndAccess/20210430/index.html>
- Transient science in the era of large surveys. How are transient alerts distributed and how can we align VOEvent with current practices? We will hear about current practices in the TDIG session.

# TDIG Session Agenda

Time-Domain Interest Group: Monday May 23 2023 @ 9:00-10:30 Room ?			
Speaker	Title	Materials	Time
Anais Möller	Time-domain astronomy at scale: lessons from a broker		15 + 2
Gregory Dubois-Felsmann	Distributing Alerts from the Rubin Observatory.		15 + 2
Judy Racusin	NASA GCN: the Gamma-ray Coordinates Network		15 + 2
Mireille Louys	<a href="#">ObsCore</a> Time Domain Extension		15 + 2
Discussion	Discussion		22

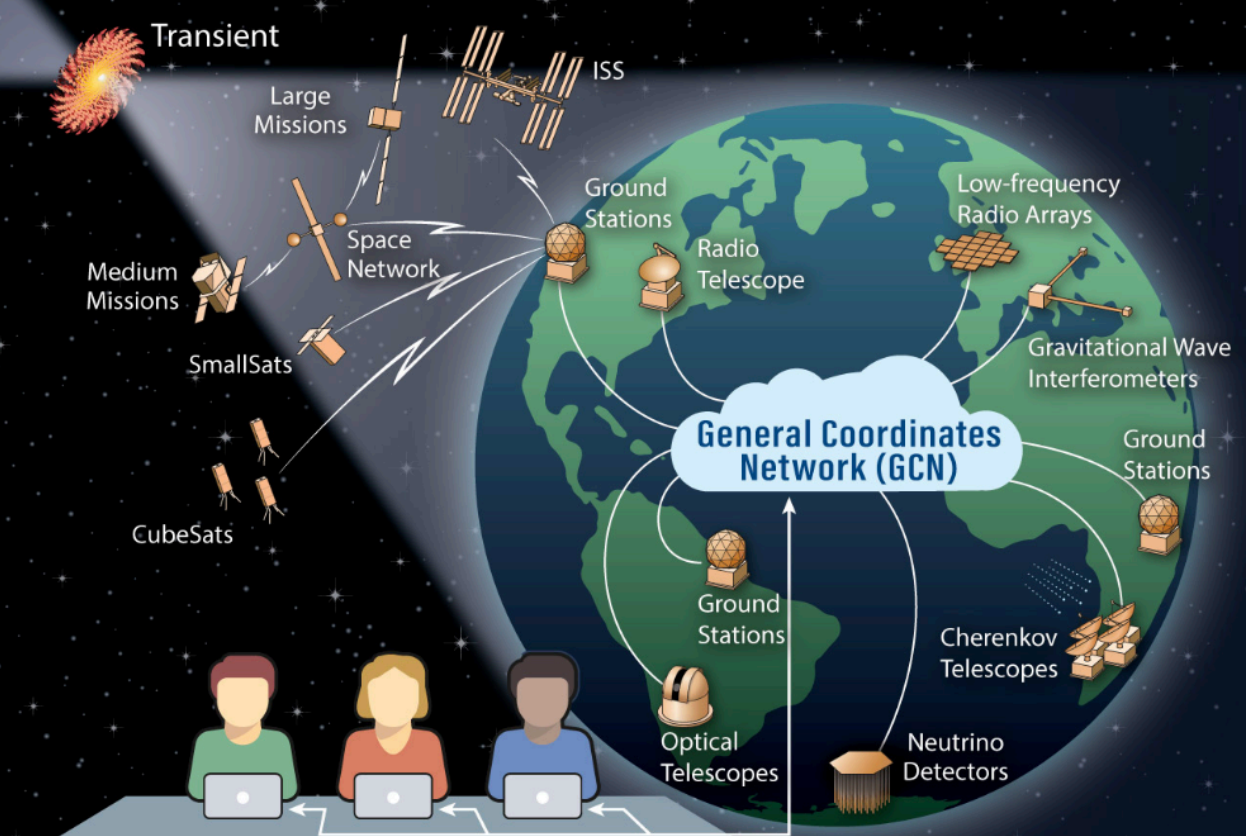


## GCN: NASA's Time-Domain and Multimessenger Alert System

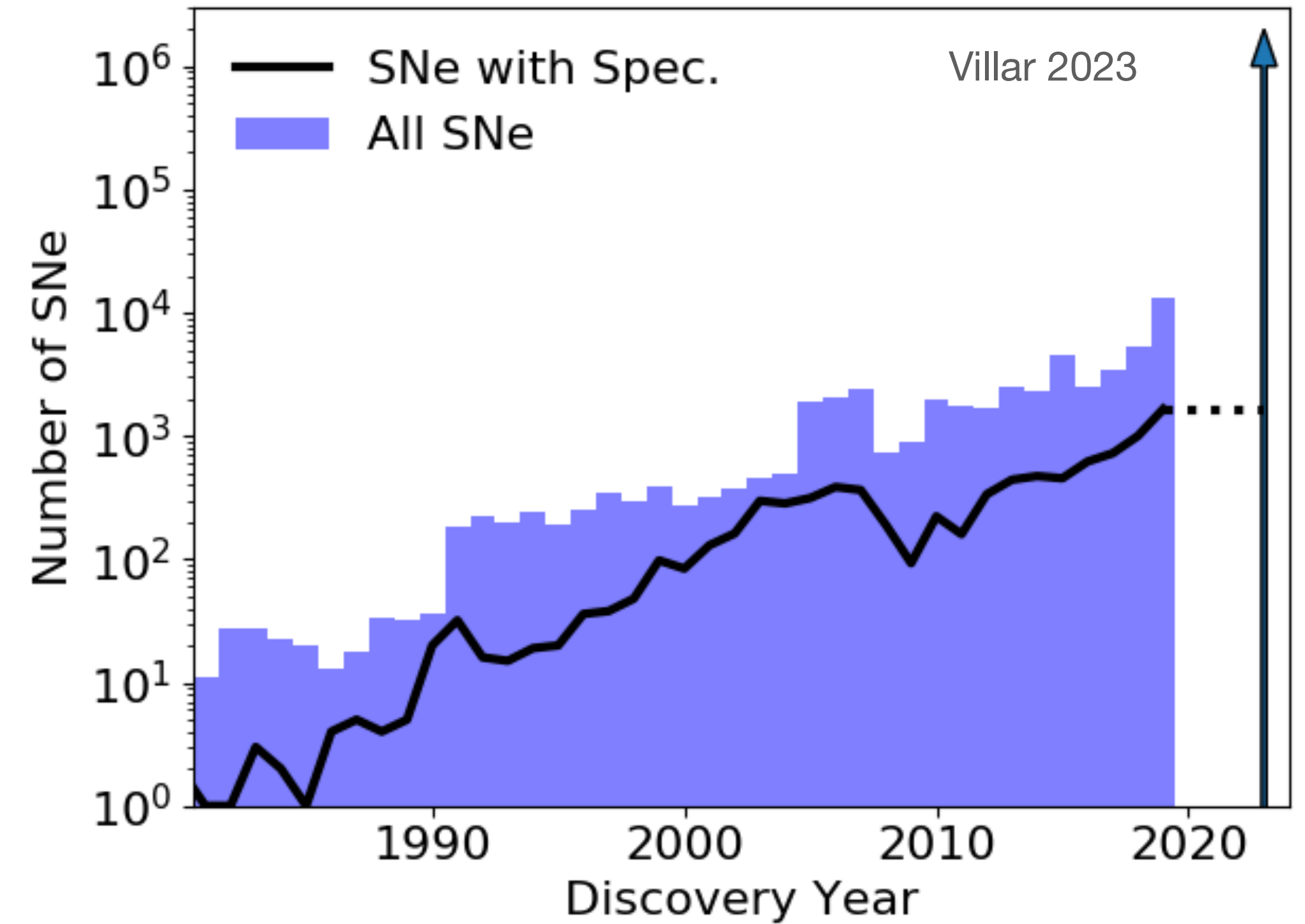
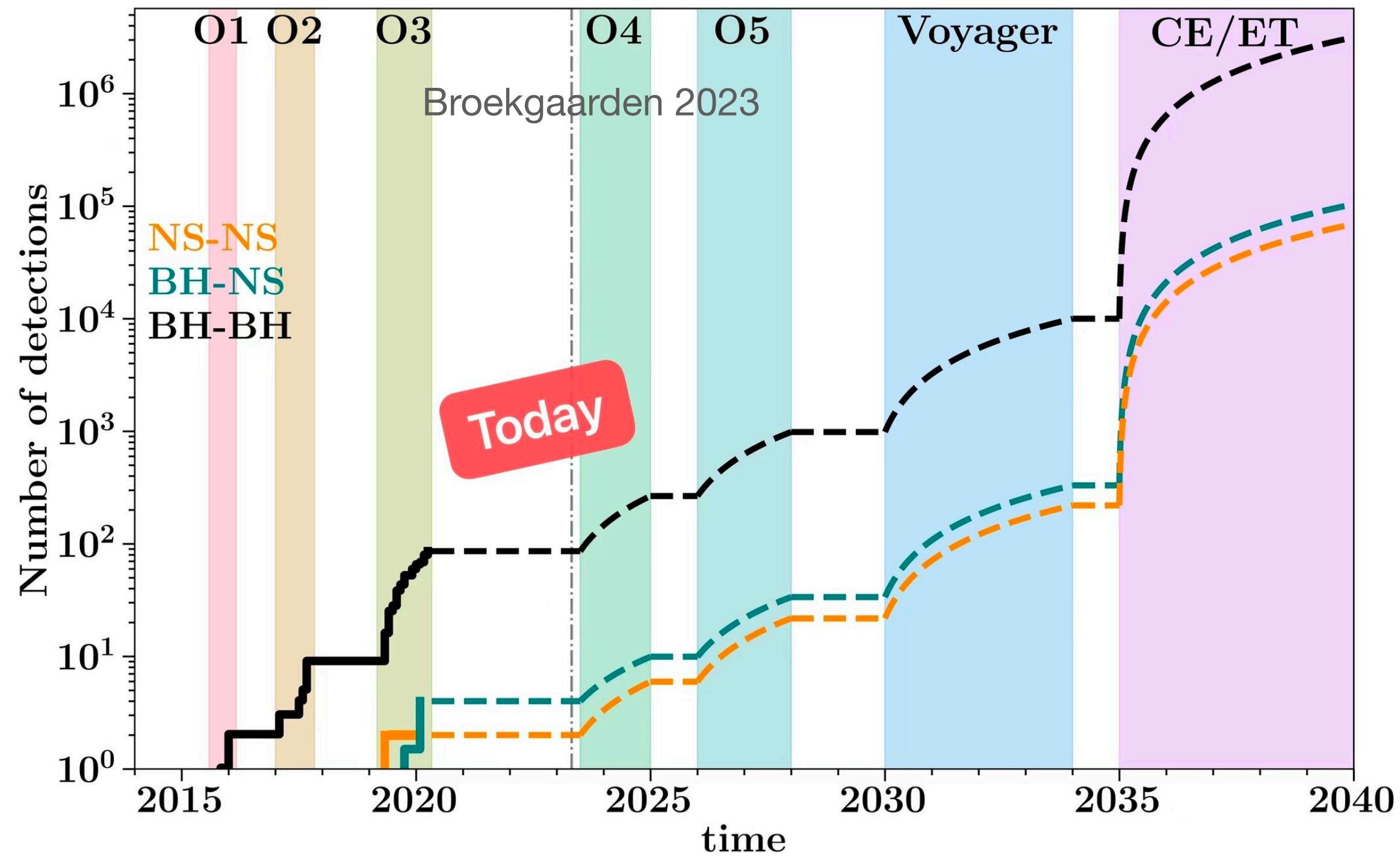
GCN distributes alerts between space- and ground-based observatories, physics experiments, and thousands of astronomers around the world.

[Start streaming GCN Notices](#)

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# The Future is Bright



Ada Nebot, Francesca Civano have proposed to organize a Time Domain session for the Malta meeting.  
We support this, and we request you inputs with ideas/potential speakers