

# Herschel 10-year Celebration

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European Space Agency

# The ESA Fleet for Astrophysics



## → COSMIC OBSERVERS

CONCEPTS



spica



theseus

IN DEVELOPMENT



webb  
(2021)



ariel  
(2028)



euclid  
(2022)



cheops  
(2019)



plato  
(2026)



xrism  
(2021)



einstein  
probe  
(2022)



athena  
(2031)



lisa  
(2034)

OPERATIONAL



hubble  
(1990-)



gaia  
(2013-)



xmm-  
newton  
(1999-)



integral  
(2002-)

microwaves

sub-millimetre

infrared

optical

ultraviolet

x-rays

gamma rays

gravitational  
waves

LEGACY



planck  
(2009-2013)



herschel  
(2009-2013)



iso  
(1995-1998)



akari  
(2006-2011)



hipparcos  
(1989-1993)



corot  
(2006-2014)



iue  
(1978-1996)



exosat  
(1983-1986)



hitomi  
(2016)



suzaku  
(2005-2015)



cos-b  
(1975-1982)



lisa pathfinder  
(2015-2017)



microscope  
(2016-2018)

#Space19plus

Space19



# ESA-led Mission Refereed Publications



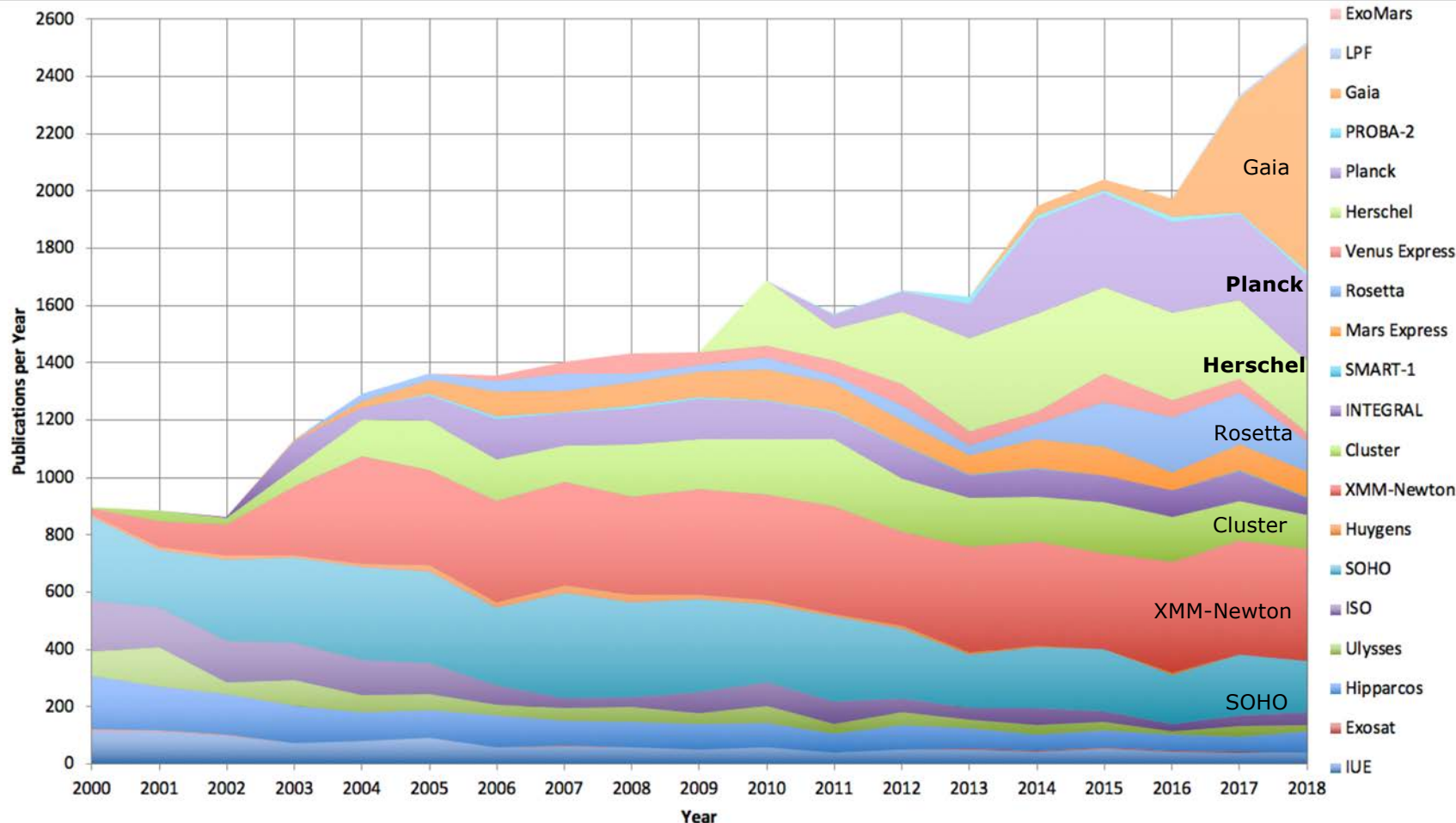
Most papers ever in 2018! (2547 if counted for each mission)

4 missions contributed ~70% of the ESA-led 2018 publications:

- Gaia (792)
- XMM-Newton (390)
- Planck (301)
- Herschel (248)

Another 15% of the ESA-led mission pubs. come from missions with >100 pubs:

- SOHO (180)
- Cluster (121)
- Rosetta (106)



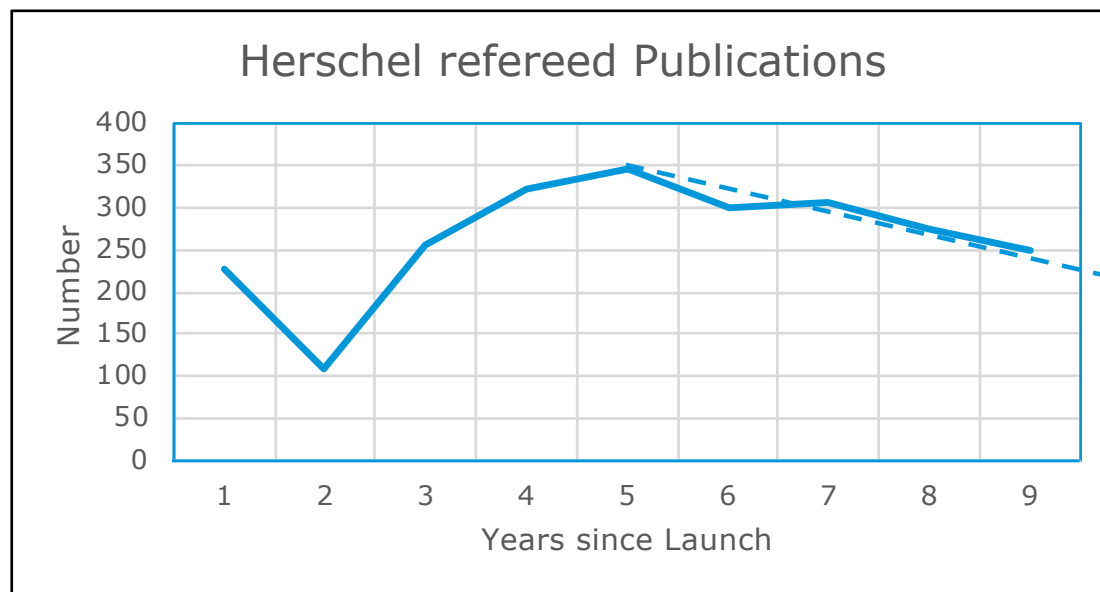
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# The Impact of Herschel



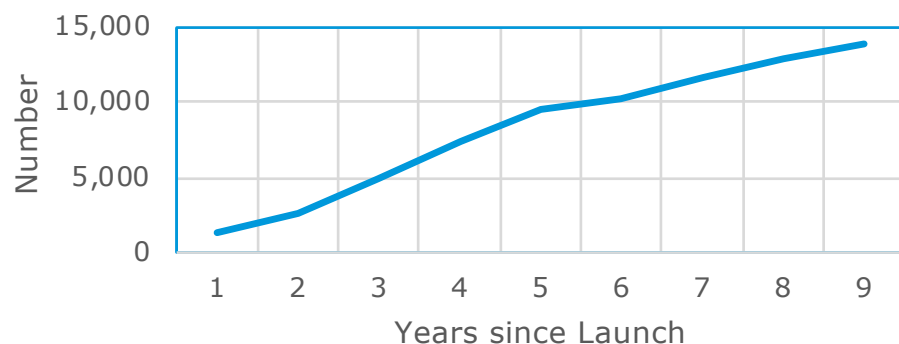
20 years

2470 refereed papers that use data from Herschel data or its primary catalogues

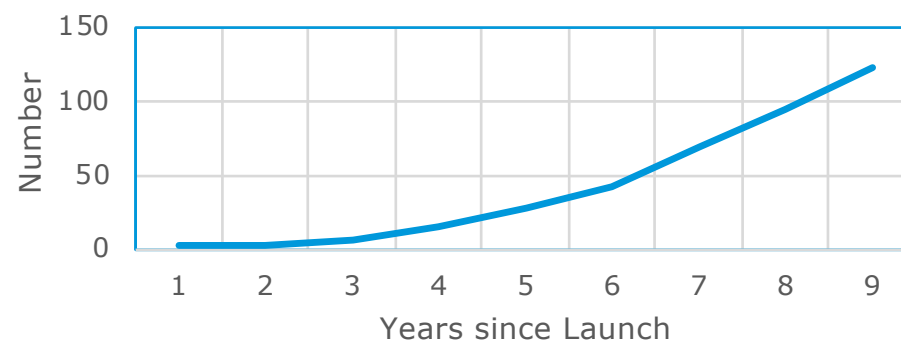
# The Impact of Herschel



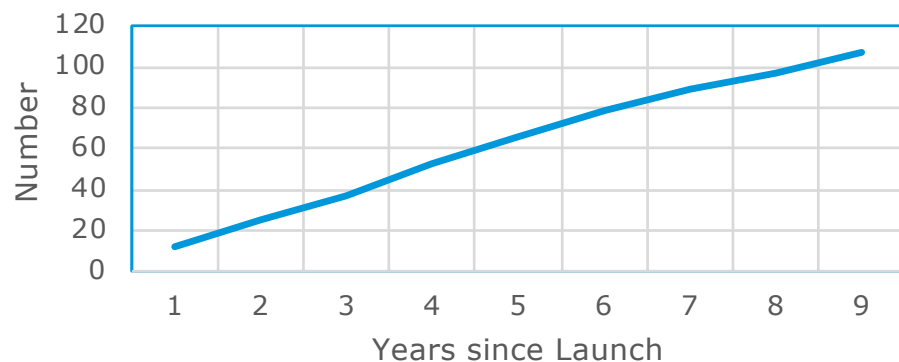
## Herschel Citations per Year



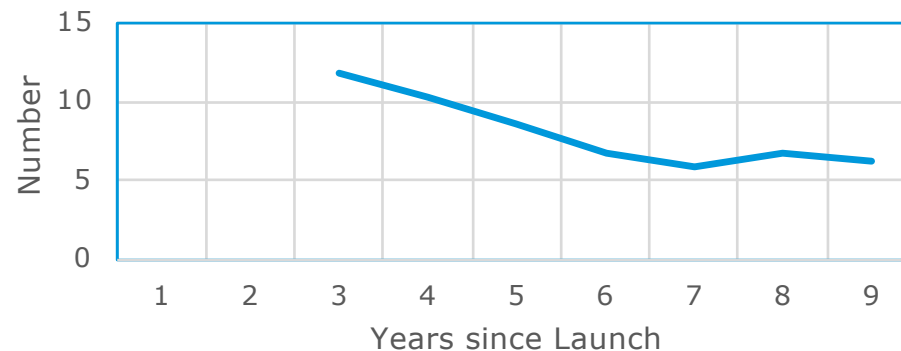
## Herschel i100 metric



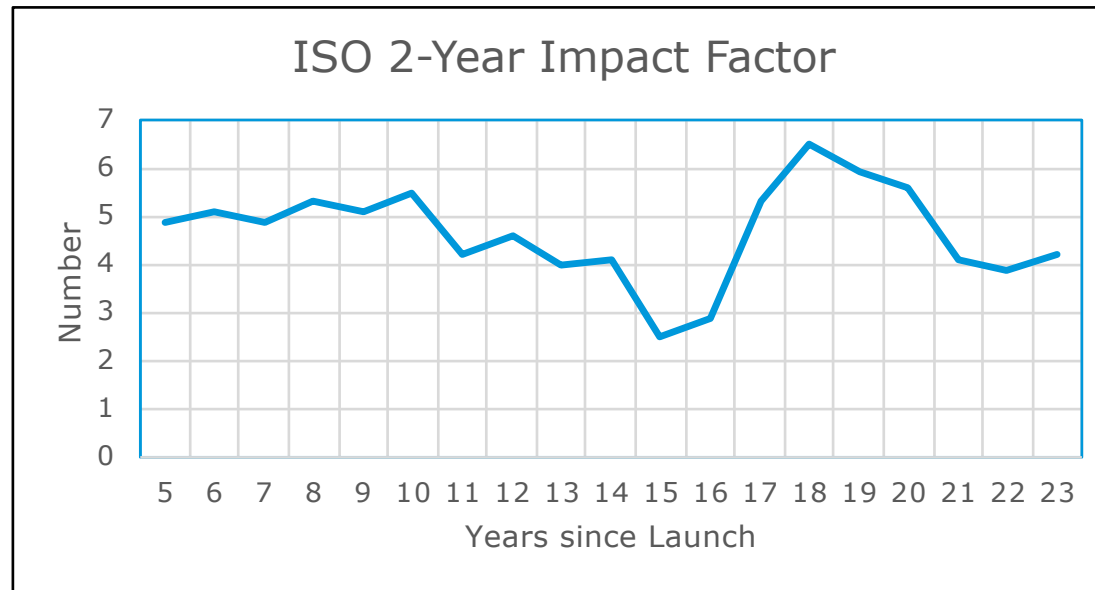
## Herschel h-index



## Herschel 2-Year Impact Factor

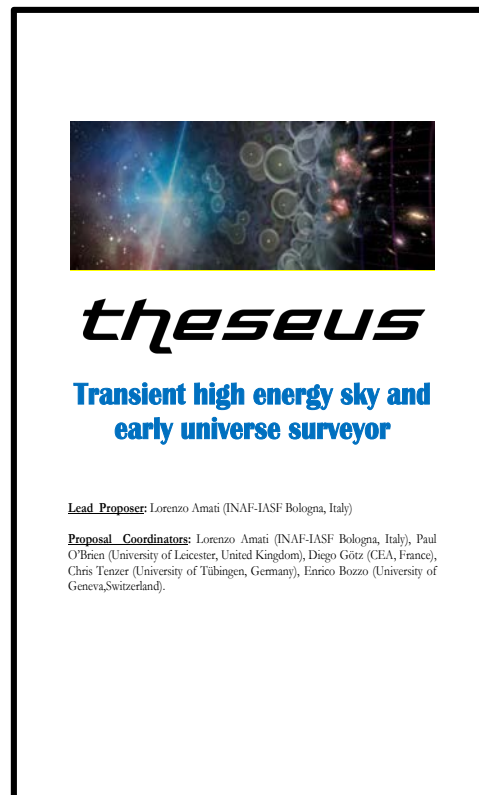


# The Impact of Herschel - On ISO!



- ISO was launched in 1995 – so broad maximum 18-20 years after launch corresponds to “peak” Herschel

# Three M5 candidates for study selected in May 2018



Phase 0 studies on going – Plan: M5 selection by end of 2021 – Launch 2032

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# The Impact of Herschel – on the Future!



- Looking forward to seeing the Herschel “bump” when the first SPICA results come some time after 2032....
- Until then, continue exploiting the wonderful results from Herschel!



# The Impact of Herschel



- Welcome to ESAC - the home of the Herschel SOC and archive
- INHO, one of the best SOC's that ESA has ever done!
- Celebrating a wonderful spirit of collaboration amongst all the involved parties.