

Technical Operations & Projects

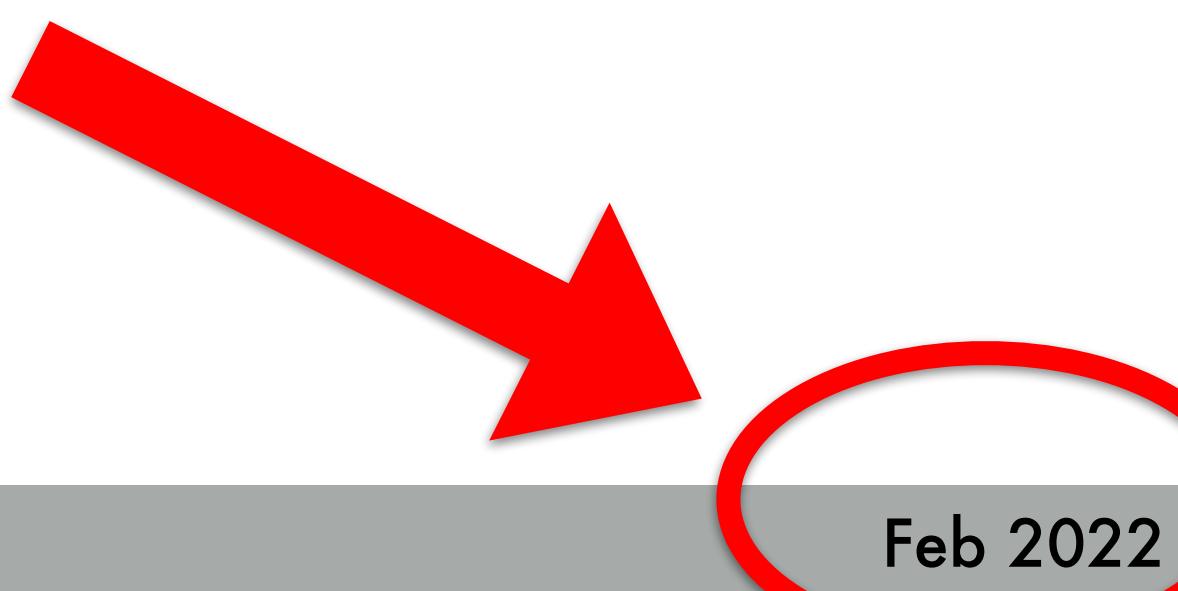


~~Current~~ in progress hardware

0.8 100 Gbps
19 FlexBuff
3.X Mark6
25 Mark5
1012 SFXCcores

Kunming:

- import from outside EU
- expensive list price (30k€)
- investigate tax exemption





24 October 2022!

and no VAT

Within .NL JIVE has the status of
International Organisation
and there is a **procedure** to import
goods **without 21% VAT!**

Current hardware

0 . 8 100 Gbps
19 FlexBuff
4 Mark6 ↑
25 Mark5
1012 SFXCcores

Mark6#3
configured as FlexBuff



UK FlexBuff's?

(red-tape same
procedure abundant)

Current hardware

0.8 100 Gbps
19 FlexBuff =
4 Mark6
25 Mark5
1012 SFXCcores

Westerbork:
- replaced FlexBuff
- doubled the storage

Projects



JIVE
Joint Institute for VLBI
ERIC

Projects: PAST



Horizon2020
European Union Funding
for Research & Innovation

start: 1 Feb 2019

end: now() + 7 days

see: Aard Keimpema

impact: EVN Newsletter #64

January 2023



<https://www.evlbi.org/evn-newsletter/january-2023/escape-overview>



start: 1 Mar 2021

end: 28 Feb 2025

see: Bob Eldering



**OPTICON
RadioNet
Pilot**

WP3: Seamless performance

- JA2.1 New proposal tool for multiwavelength/multi facility proposals;
 - Main effort UniManchester; (JIVE: Ilse v Bemmel/Bob Eldering)
- JA2.2 multi wavelength/facility time domain astronomy
 - Prototype “EVN” plugin for TOM Toolkit (JIVE: Bob Eldering)

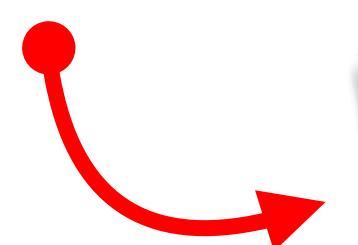


start: 1 Mar 2023

end: 28 Feb 2027

see: Aard/Mark/
Ilse/Des

“RADIO BLOCKS”



no logo yet

WP4: Data transport and correlation

- develop modules for GPU VLBI correlation (Mark Kettenis, Aard Keimpema)
- VDIF decoding, delay tracking, coherent dedispersion, ...

WP5: Data processing toolkit for advanced radio astronomy

- fringefit task ported to Python Dask framework (Des Small)
- simulations, Bayesian approach for optimising calibration and parameter extraction (Ilse v Bemmel/Des Small)