

Preparation of reserve list with priorities towards GA July 2026

Caveat: Unused funds from 2021-25 CANNOT be transferred to 2026-27 to finance new activities



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Issues requiring immediate attention

WP	Topic	Resources	Associated EC budget [k€]	Comments
TM	WPTM Management PL/PSO	24PM CEA (@70%)	128	PCR Budget for PL and PSO was not explicitly added in the WP
STEL	Depreciation of equipment procured by FZJ in FP8	Equipment 2026: 286k€ 2027: 276k€	2026: 157 2027: 152	20k€ EC is available in the WP Not explicitly taken into account in the budget planning Could be covered by unspent 2021-25 budget

Depreciation of FZJ equipment as planned in FP8 (actual cost):

	start date	value	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	FP8	FP9	beyond
ICRH	Sep 2021	1,397				58	175	175	175	175	175	175	175	116		0	757	640
Endos- copes (4)	Jan 2018	350	44	44	44	44	44	44	44	44						131	219	0
	Sep 2019	240		10	30	30	30	30	30	30	30	20				40	150	50
	Oct 2021	317				10	40	40	40	40	40	40	40	30		0	168	149
	Jul 2022?	336					21	42	42	42	42	42	42	42	21	0	147	189
Total		2,640	44	54	74	142	309	330	330	330	286	276	256	188	21	171	1,441	1,028



Reserve list - Priorities 1 and 2

PRIORITY 1

WP	Topic	Resources	Associated EC budget [k€]
TE	JT-60SA scientific exploitation: staffing and missions	420PM 3900 man-days missions; 5 staff seconded for limited period	1973 manpower 912 missions 128 secondment

PRIORITY 2

WP	Topic	Resources	Associated EC budget [k€]
TE/ STEL	Scientific exploitation of TE devices (scenario I): machine operation WEST, AUG, TCV, W7X @30% (vs @27.5%)	n/a	1163



Reserve list - Priorities 3, 4 and 5

PRIORITY 3

WP	Topic	Resources	Associated EC budget [k€]
PWIE	Area 1: Tritium	23PM 30k€ equipment	129

PRIORITY 4

WP	Topic	Resources	Associated EC budget [k€]
TE	Scientific exploitation of TE devices: additional missions	353k€ missions	243

PRIORITY 5

WP	Topic	Resources	Associated EC budget [k€]
TE/ STEL	Scientific exploitation of TE devices (scenario II): machine operation WEST & AUG@35%, TCV & W7X @30% (vs. @27.5%)	n/a	2246
TE	Scientific exploitation of TE devices : additional staffing	149PM	700
PWIE	Area 3: JET post-mortem analysis	12 PM 20k€ facility use 10k€ equipment	77
TM	Sum of all TSVVs (relative internal priority TBD)	192PM	902
STEL	Stellarator reactor: Preparation of design space using system studies for FOAK stellarator	6PM	28



Reserve list - Priority 6 (1/2)

PRIORITY 6

WP	Topic	Resources	Associated EC budget [k€]	Internal WP priorities	Comments
STEL	Extension of PNBI from 4 to 6 sources to reach $P_{total} > 20$ MW	24 PM	113	II	High scientific importance but only MPG
STEL	Stellarator reactor: Remote handling in 3D environment of FOAK	12PM	56	III	Critical system for FOAK, low TRL, important for feasibility
STEL	Stellarator reactor: Mechanical stress analysis of 3D inter-coil support towards FOAK	12PM	56	IV	
STEL	Stellarator reactor: Initial assessment of a FOAK particle exhaust and fuel cycle	6PM	28	IV	
STEL	Stellarator reactor: Transfer of novel technologies towards 3D first wall and blanket	6PM	28	IV	



Reserve list - Priority 6 (2/2) and BEST

PRIORITY 6

WP	Topic	Resources	Associated EC budget [k€]	Internal WP priorities	Comments
PWIE	Area 2: Dust	24PM; 30 days IBA @3k€/day	175	IV	
PWIE	Area 4: RE-induced PFC damage	8PM	37	III	Priority if funds become available in 2026
TE/ STEL	Scientific exploitation of TE devices (scenario IV): machine operation WEST & AUG@40%; TCV&W7-X@35% (vs. @27.5%)	n/a	4572	V	Relative operational priority to be further discussed
TE	Various enhancements	21k€ missions 17k€ equipment	26	I	
SA	Various diagnostics (relative internal priorities TBD)	93PM	437	TBD	

WP	Topic	Resources	Associated EC budget [k€]	Internal WP priorities	Comments
TBD	BEST (diagnostics/ modelling)	TBD	TBD	TBD	Awaits discussion on role of BEST