

French S&C involvement

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with inputs from CAF institutes representatives***

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These slides collect information on French involvement in software & computing, mostly from OTP reports, but also from glance or private inputs

From ATLAS computing wiki, ATLAS is organized through three different projects: software, ADAM (databases & metadata) and computing

Software is separated into several Domains :

Core, Generation, Simulation, Reconstruction, Derivation, Analysis
whereas OTPs are given in Activities

Upgrade, Detector Operations, Trigger, Data Operations $\Rightarrow$ (1)

Software/Computing (SC), Analysis Support (AS) $\Rightarrow$ (2)

$\Rightarrow$ Tables summarizes results in a mixed way :

Core, Upgrade (Run 4), Detector (1), Reco/Ana (2)

Computing is separated in three classes

Class 2 : essentially shifts

Class 3 : expert work + FR-cloud support & management

Class 4 : Tier 1 & Tier 2

Need to add other contributions such as ACTS/tracking etc. whenever possible that ATLAS-FR members are doing and relevant for ATLAS

● ATLAS S&C responsibilities

- International Computing Board (ICB): F. Derue (IN2P3), A. Formica (CEA)
- members of CAF in sites with T2 are also scientist in charge of their local T2
- ongoing appointments as appearing in *glance*

Appointment	OTP	Member	Affiliation	Start date	End date	Status
Conditions Evolution Coordinator // Activities and Detector Projects // Software and Computing // ATLAS Database and Metadata (ADAM)		ANDREA, Formica	Saclay CEA (France)	2021-01-01	2024-09-30	active
LAr Phase-II Online Software // Activities and Detector Projects // Liquid-Argon Calorimeter (LAr) // Upgrade Phase-II Electronics		OLIVIER, Arnaez	Annecy LAPP (France)	2023-03-01	2024-03-31	active
LAr Phase-II Online Software // Activities and Detector Projects // Liquid-Argon Calorimeter (LAr) // Upgrade Phase-II Electronics		FATIH, Bellachia	Annecy LAPP (France)	2023-03-01	2024-03-31	active
Physics Metadata Coordinator // Activities and Detector Projects // Software and Computing // ATLAS Database and Metadata (ADAM)		PIERRE ANTOINE, Delsart	Grenoble LPSC (France)	2021-05-01	2024-09-30	active
Muon Database Coordinator // Activities and Detector Projects // Muon Spectrometer // Database		ANDREA, Formica	Saclay CEA (France)	2014-01-01	2024-02-29	active

● Other S&C responsibilities

- DS IN2P3 Calcul Intensif : S. Crépé-Renaudin (LPSC)
- WLCG/LCG-FR: member of CoDir / scientific director L. Duflot (IJCLab)

Information taken from [OTP report](#)

→ either Activity= «Computing & Software »

Same as in 2022

ATLAS OTP - OTP ATLAS
- Commitment Report - 2023 - Class 2, Class 3 and Class 4

System	Activity	Task Id	Task	Requirement Id	Requirement	Funding Agency	Institution Id	Institution	Description	Committed [FTEs]	Allocated [FTEs]	Task Requirement [FTEs]	Committed Fraction of Requirement [%]
General Tasks	Computing/ Software	534123	Dataset-level Metadata Catalogues and Infrastructure (AMI)	558077		France IN2P3	52	Grenoble LPSC	Support and developemnt for AMI.	2.70	0.94	0.87	311
PIXEL	Computing/ Software	531773	Software Development/ Maintenance and Physics Performance	555533		France IN2P3	40	Marseille CPPM	Performance studies and software development	0.80	0.08	6.00	13
PIXEL	Computing/ Software	531773	Software Development/ Maintenance and Physics Performance	555533		France IN2P3	107	Paris LPNHE	Offline software, rad damage, performance studies.	0.15	0.01	6.00	3
PIXEL	Computing/ Software	531773	Software Development/ Maintenance and Physics Performance	555533		France IN2P3	353	APC Paris		0.15	0.00	6.00	3
General Tasks	Computing/ Software	12347	TAG/El and Conditions/ Metadata Database Development	12350	Conditions Database	France CEA	127	Saclay CEA	Develop and maintain the conditions database infrastructure	0.65	0.20	1.49	44
General Tasks	Computing/ Software	64	Reconstruction	552677	Jet/ETmiss combined reco.	France IN2P3	52	Grenoble LPSC	JET-Athena-Reconstruction	0.20	0.07	1.74	12
PIXEL	Computing/ Software	531773	Software Development/ Maintenance and Physics Performance	556392	Rad Damage Coordinator	France IN2P3	353	APC Paris		0.50	0.18	1.40	36
General Tasks	Computing/ Software	12347	TAG/El and Conditions/ Metadata Database Development	552547	TAG, EventIndex and Conditions Metadata	France IN2P3	104	IJCLab	Develop and operate the EventIndex (Hadoop)	1.00	0.20	2.48	40
Total Commitments:		8							FTEs:	6.15	1.68	25.97	24

Some of these commitments (e.g part of AMI) are also in-kind contributions

→ either appears the key-word « software »

System	Activity	Task Id	Task	Requirement Id	Requirement	Funding Agency	Institution Id	Institution	Description	Committed [FTEs]	Allocated [FTEs]	Task Requirement [FTEs]	Committed Fraction of Requirement [%]
Muon	Data Preparation	528951	Barrel optical alignment	551723	Alignment experts	France CEA	127	Saclay CEA	M&O, software, DQ	2.00	0.50	0.55	367
LAr	Detector Operation	22547	Home stations	22550	Back end test station (Annecy)	France IN2P3	9	Annecy LAPP	online software test station	0.10	0.00	0.00	Infinity
LAr	Detector Operation	22512	LAr online software	22513	LAr Online SW development	France IN2P3	9	Annecy LAPP	LAr online SW maintenance and development, TDAQ version migration	1.00	0.24	0.72	139
TILE	Detector Operation	20569	Tile calibration systems maintenance	554143	Laser	France IN2P3	36	Clermont-Ferrand	Maintenance of Laser 2 non-optical hardware and TileLasII software package	0.10	0.00	0.00	Infinity
LAr	Data Preparation	22747	Reconstruction,EDM,Validation	291594	Validation / RTT tests	France IN2P3	40	Marseille CPPM	Software validation (J. Toth)	0.20	0.00	0.00	Infinity

	Software					ADAM	Computing				
	Core	Upgrade	Data/ Detector	Reco/ Ana	Total [S&C+AS]	Total	C2	C3	C4	Other	Total
APC		0.28	0.36	0.50	1.14 [1.14]		0.10				0.10
CC- IN2P3									3.30		3.30
CPPM	0.39	0.04	1.06	0.39	1.78 [1.08]			0.05	0.65		0.70
IJCLab		0.90		0.42	1.32 [0.42]	0.40	0.23	0.05	0.30	0.40	0.98
IRFU			0.10		0.10 [0.10]	0.54		0.05	0.50		0.55
L2IT		1.52		0.24	1.76 [0.36]						
LAPP			0.24	0.05	0.29 [0.05]		0.02	0.05	1.00		1.07
LPC			0.15	0.42	0.57 [0.22]				0.70		0.70
LPNHE		0.20	0.84	0.40	1.24 [0.22]		0.17	0.45	0.90		1.52
LPSC				0.58	0.58 [0.58]	1.90		0.05	0.08		0.13
Total	0.39	2.94	2.75	3.00	8.78 [4.17]	2.84	0.52	0.70	7.43	0.40	9.05

Software

Software is separated into several Domains :
Core, Generation, Simulation, Reconstruction, Derivation, Analysis
whereas OTPs are given in Activities
Upgrade, Detector Operations, Trigger, Data Operations $\Rightarrow$ (1)
Software/Computing (SC), Analysis Support (AS) $\Rightarrow$ (2)

$\Rightarrow$ Tables summarizes results in a mixed way :
Core, Upgrade (Run 4), Data/Detector (1), Reco/Ana (2)

Information taken from OTP report

Software involvement = 1.14 FTE, S&C+AS = 1.14 FTE

(Core=0, Upgrade=0.28, Data/Detector=0.36, Ana/Reco=0.50)

Pixel detector: 0.64 FTE (Upgrade=0.28, Data/Detector=0.36) [S&C+AS=0.64]

Name	OTP	Activity	System	Task	FTE
M. Bomben	C3	Computing/Software	Pixel	Software Development/Maintenance and Physics Performance	0.36
M. Bomben	C3	Computing/Software	Upgrade	ITk - Pixel Offline Software	0.04
K. Nakkalil	C3	Computing/Software	Upgrade	ITk - Pixel Offline Software	0.24

Reco/Ana: 0.50 FTE (Ana/Reco=0.50) [S&C+AS=0.50]

Name	OTP	Activity	System	Task	FTE
R. Bouquet	C3	Computing/Software	General Tasks	Analysis Model Group	0.08
G. Marchiori	C3	Computing/Software	General Task	Group activities	0.30
A. Li	C2	Computing/Software	General Task	Analysis Release Shift	0.02
G. Marchiori	C2	Computing/Software	General Task	Analysis Release Shift	0.10

Other (ACTS etc ...) : FTE

Name	OTP	Activity	System	Task	FTE

Information taken from [OTP report](#)

Software involvement = 1.78 FTE, S&C+AS Activity = 1.08 FTE

(Core=0.39, Upgrade=0.04, Data/Detector=1.06, Reco/Analysis=0.39)

LAr: FTE (Upgrade=0, Data/Detector=0) [S&C+AS=0]

Name	OTP	Activity	System	Task	FTE

Pixel: 0.16 FTE (Data/Detector=0.16) [S&C=0.16]

Name	OTP	Activity	System	Task	FTE
F. Djama	C3	Computing/Software	Pixel	Software Development/Maintenance and Physics Performance	0.16

Trigger: 0.70 FTE (Data/Detector=0.70) [S&C+AS=0]

Name	OTP	Activity	System	Task	FTE
L. Feligioni	C3	Trigger	General Tasks	Bjet Software and performance	0.10
E. Nagy	C3	Trigger	General Tasks	Bjet Software and performance	0.60

Tracking: 0.24 FTE (Upgrade=0.04, Data/Detector=0.20) [S&C+AS=0.24]

Name	OTP	Activity	System	Task	FTE
T. Strebler	C3	Computing/Software	ID Gen	Common Tracking Software	0.20
T. Strebler	C3	Computing/Software	Upgrade	ITK -Performance Studies	0.04

b-tagging : 0.11 FTE (Core=0.03, Upgrade=0, Reco/Ana=0.08) [S&C+AS=0.11]

Name	OTP	Activity	System	Task	FTE
T. Strebler	C3	Computing/Software	ID Gen	Common Tracking Software	0.20
T. Strebler	C3	Computing/Software	Upgrade	ITK -Performance Studies	0.04

Other tasks : 0.57 FTE (Core=0.36, Upgrade=0, Reco/Ana=0.21) [S&C+AS=0.57]

Name	OTP	Activity	System	Task	FTE
A. Duperrin	C3	Analysis Support	General Tasks	Internal software	0.08
A. Duperrin	C3	Computing/Software	General Tasks	Reconstruction	0.03
J. Toth	C3	Computing/Software	General Tasks	Validation of software release	0.20
T. Strebler	C3	Computing/Software	General Tasks	GIT merge request review, Level 1	0.04
T. Strebler	C3	Computing/Software	General Tasks	GIT merge request review, Level 2	0.02
T. Strebler	C3	Computing/Software	General Tasks	Reconstruction	0.10
T. Theveneaux-Pelzer	C3	Analysis Support	General Tasks	General software	0.10

Other (ACTS etc ...) : FTE

Name	OTP	Activity	System	Task	FTE

Information taken from OTP report

Software involvement = 1.32 FTE (S&C+AS Activity = 0.42 FTE)

(Core=0, Upgrade=0.90, Data/Detector=0, Ana/Reco=0.42)

Reconstruction/Analysis: 0.42 FTE (Reco/Ana=0.42) [S&C+AS=0.42]

Name	OTP	Activity	System	Task	FTE
N. Morange	C3	Computing/Software	General Tasks	Reconstruction	0.04
A. Schaffer	C3	Computing/Software	General Tasks	Analysis Model Group	0.30
D. Rousseau	C3	Computing/Software	General Tasks	GIT merge request review, Level 2	0.08

Other (ACTS etc ...) : 0.90 FTE

Name	OTP	Activity	System	Task	FTE
A. Maury		ACTS		ML for tracking	0.40
D. Rousseau		ACTS		ML for tracking	0.50

Information taken from OTP report

Software involvement = 0.10 FTE (S&C+AS Activity = 0.10 FTE)

(Core=0, Upgrade=0, Data/Detector=0.10, Ana/Reco=0)

Muon detector: 0.10 FTE (Data/Detector=0.10) [S&C+AS=0.10]

Name	OTP	Activity	System	Task	FTE
P-F. Giraud	C3	Computing/Software	Muon	Muon detector performance	0.10

Other (ACTS etc ...) : FTE

Name	OTP	Activity	System	Task	FTE

Information taken from [OTP report](#)

Software involvement = 1.76 FTE (S&C+AS Activity = 0.36 FTE)

(Core=0, Upgrade=1.52, Data/Detector=0, Ana/Reco=0.24)

Tracking: 0.36 FTE (Upgrade=0.12, Reco/Ana=0.24) [S&C+AS=0.36]

Name	OTP	Activity	System	Task	FTE
C. Rougier	C3	Analysis Support	General Task	Performance Studies - Tracking CP	0.24
A. Vallier	C3	Computing/Software	Upgrade	ITK-Performance Studies	0.12

Other (ACTS etc ...) : 1.40 TE (Upgrade=1.40)

Name	OTP	Activity	System	Task	FTE
J. Stark		Computing/Software	Upgrade	Itk software and tracking	0.40
S. Caillou		Computing/Software	Upgrade	Itk software and tracking	1.00

Information taken from OTP report

Software involvement = 0.29 FTE, S&C+AS Activity = 0.05 FTE
(Core=0, Upgrade=0, Data/Detector=0.24, Ana/Reco=0.05)

LAr detector: 0.24 FTE (Data/Detector=0.24) [S&C+AS=0]

Name	OTP	Activity	System	Task	FTE
T. Cavaliere	C3	Detector Operation	LAr	LAr online software	0.24

Reco/Ana: 0.05 FTE (Upgrade=0., Reco/Ana=0.05) [S&C+AS=0.05]

Name	OTP	Activity	System	Task	FTE
E. Sauvan	C3	Computing/Software	General Tasks	Group Activities	0.05

Other (ACTS etc ...) : FTE

Name	OTP	Activity	System	Task	FTE
J. L��veque		ACTS		ML for tracking	

Information taken from [OTP report](#)

Software involvement = 0.57 FTE (S&C+AS Activity = 0.22 FTE)

(Core=0, Upgrade=0, Data/Detector=0.15, Ana/Reco=0.42)

Tile: 0.15 FTE (Data/Detector=0.15) [S&C+AS=0]

Name	OTP	Activity	System	Task	FTE
S. Binet	X	Computing/Software	TileCal	HV monitoring/software development	0.15

Reconstruction/Analysis : 0.42 FTE (Ana/Reco=0.42) [S&C+AS=0.22]

Name	OTP	Activity	System	Task	FTE
A. Burger	C3	Computing/Software	General Tasks	Reconstruction	0.10
A. Burger	X	Analysis support	« VLQ analysis group »	Analysis group framework & ntuple production	0.10
L. Copre	C3	Analysis Support	General Tasks	Generator Software	0.02
L. d'Eramo	C3	Analysis Support	General Tasks	MC Sample Request for Physics and CP Groups	0.10
O. Perrin	X	Analysis support	"HH multilepton analysis group"	Analysis group framework & ntuple production	0.10

Other (ACTS etc ...) : FTE

Name	OTP	Activity	System	Task	FTE

Information taken from OTP report

Software involvement = 1.24 FTE S&C+AS = 0.22 FTE)

(Core=0, Upgrade=0.20, Data/Detector=0.84, Ana/Reco=0.40)

Itk: 0.20 FTE (Upgrade=0.20) [S&C+AS=0]

Name	OTP	Activity	System	Task	FTE
F. Derue	C3	Detector Operation	General Task	Phase-II ITk Pixels (Production DB, cloud)	0.20

Pixel detector: 0.02 FTE (Data/Detector=0.02) [S&C+AS=0.02]

Name	OTP	Activity	System	Task	FTE
G. Calderini	C3	Computing/Software	Pixel	Software Development/Maintenance and Physics Performance	0.02

Reco/Ana: 1.02 FTE (Data/Detector=0.82, Reco/Ana=0.40) [S&C+AS=0.20]

Name	OTP	Activity	System	Task	FTE
B. Malaescu	C3	Computing/Software	General Task	Analysis Model Group	0.10
B. Laforge	C3	Data Preparation	General Task	Offline DQ Monitoring Software & Debugging – Egamma, Jet, Calo	0.08
E. Purcino De Souza	C3	Computing/Software	General Task	Reconstruction	0.10
E. Purcino De Souza	C3	Data Preparation	General Task	Offline DQ Monitoring Software & Debugging -- Egamma	0.04
E. Purcino De Souza	C3	Trigger	General Task	Egamma Software and Performance	0.70

Information taken from OTP report

Software involvement = 0.58 FTE (S&C+AS Activity = 0.58 FTE)

(Core=0, Upgrade=0, Data/Detector=0, Ana/Reco=0.58)

Reconstruction/Analysis: 0.58 FTE (Reco/Ana=0.58) [S&C+AS=0.58]

Name	OTP	Activity	System	Task	FTE
G. Albouy	C3	Analysis Support	General Tasks	Internal Software	0.04
P-A. Delsart	C3	Computing/Software	General Tasks	Reconstruction	0.14
J-B. de Vivie	C3	Computing/Software	General Tasks	Reconstruction	0.30
J-B. de Vivie	C3	Analysis Support	General Tasks	Internal Software	0.10

Other (ACTS etc ...) : FTE

Name	OTP	Activity	System	Task	FTE

Databases and Metadata (ADAM)

Information taken from *OTP report*
 ADAM involvement = 0.40 FTE

ADAM: 0.40 FTE

Name	OTP	Activity	System	Task	FTE
G. Rybkin	C3	Computing/Software	General Tasks	TAG/EI and conditions/metadata database development	0.40

Information taken from [OTP report](#)

ADAM involvement = 0.54 FTE

ADAM: 0.54 FTE

Name	OTP	Activity	System	Task	FTE
A. Formica	C3	Computing/Software	General Tasks	ADAM Group Coordination	0.10
A. Formica	C3	Computing/Software	General Tasks	TAG/EI and conditions/metadata database development	0.40
A. Formica	C3	Detector Operation	Muon	Muon DataBase Coordinator	0.04

Information taken from [OTP report](#)

ADAM involvement = 1.90 FTE

ADAM: 1.90 FTE

Name	OTP	Activity	System	Task	FTE
P-A. Delsart	C3	Computing/Software	General Tasks	ADAM Group Coordination	0.20
J. Fulachier	C3	Computing/Software	General Tasks	Dataset-level metadata catalogs and infrastructure (AMI)	0.50
F. Lambert	C3	Computing/Software	General Tasks	Dataset-level metadata catalogs and infrastructure (AMI)	0.65
J. Odier	C3	Computing/Software	General Tasks	Dataset-level metadata catalogs and infrastructure (AMI)	0.65

Computing

Computing is separated in three classes

Class 2 : essentially shifts

Class 3 : expert work + FR-cloud support & management

Class 4 : Tier 1 & Tier 2

Information taken from OTP report

Total computing involvement = 0.10 FTE (0.10 C2)

Class 2 : 0.10 FTE

Name	OTP	Activity	System	Task	FTE
Gregorio Bernardi	C2	Computing/Software	General Tasks	ADCoS Senior shifts	0.10

Information taken from OTP report

Total computing involvement = 3.30 FTE (3.30 C4)

Class 4 : 3.30 FTE

Name	OTP	Activity	System	Task	FTE
Institute	C4	Computing/Software	General Tasks	FR Tier-1	3.30

Information taken from OTP report

Total computing involvement = 0.70 FTE (0 C2, 0.05 C3, 0.65 C4)

Class 2 : 0 FTE

Name	OTP	Activity	System	Task	FTE

Class 3 : 0.05 FTE

Name	OTP	Activity	System	Task	FTE
A. Duperrin	C3	Computing/Software	General Tasks	Cloud Operation & Management / cloud manag.	0.05

Class 4 : 0.65 FTE

Name	OTP	Activity	System	Task	FTE
Institute	C4	Computing/Software	General Tasks	FR CPPM Marseille	0.20
E. Knoops	C4	Computing/Software	General Tasks	FR CPPM Marseille	0.40
A. Duperrin	C4	Computing/Software	General Tasks	FR CPPM Marseille	0.05

Information taken from [OTP report](#)

Total computing involvement = 0.98 FTE (0.23 C2, 0.05 C3, 0.30 C4, 0.40 Other)

Class 2 : 0.23 FTE

Name	OTP	Activity	System	Task	FTE
L. Duflot	C2	Computing/Software	General Tasks	Distributed Analysis Shifts 1st level	0.23

Class 3 : 0.05 FTE

Name	OTP	Activity	System	Task	FTE
L. Duflot	C3	Computing/Software	General Tasks	Cloud Operation & Management / cloud manag.	0.05

Class 4 : 0.30 FTE

Name	OTP	Activity	System	Task	FTE
Institute	C4	Computing/Software	General Tasks	FR GRIF, Orsay	0.30

Other : 0.40 FTE

Name	OTP	Activity	System	Task	FTE
L. Duflot		Computing/Software	General Tasks	WLCG/LCG-FR	0.40

Information taken from OTP report

Total computing involvement = 0.55 FTE (0 C2, 0.05 C3, 0.50 C4)

Class 2 : 0 FTE

Name	OTP	Activity	System	Task	FTE

Class 3 : 0.05 FTE

Name	OTP	Activity	System	Task	FTE
E. Chapon	C3	Computing/Software	General Tasks	Cloud Operation & Management / cloud manag.	0.05

Class 4 : 0.50 FTE

Name	OTP	Activity	System	Task	FTE
Institute	C4	Computing/Software	General Tasks	FR GRIF, Saclay	0.45
E. Chapon	C4	Computing/Software	General Tasks	FR GRIF, Saclay	0.05

Information taken from OTP report

Total computing involvement = 1.07 FTE (0.02 C2, 0.05 C3, 1.00 C4)

Class 2 : 0.02 FTE

Name	OTP	Activity	System	Task	FTE
J. Little	C2	Computing/Software	General Tasks	ADCoS Trainee shifts	0.01
J. Little	C2	Computing/Software	General Tasks	ADCoS Senior shifts	0.01

Class 3 : 0.05 FTE

Name	OTP	Activity	System	Task	FTE
S. Jézéquel	C3	Computing/Software	General Tasks	Cloud Operation & Management / cloud manag.	0.05

Class 4 : 1.00 FTE

Name	OTP	Activity	System	Task	FTE
Institute	C4	Computing/Software	General Tasks	FR LAPP, Annecy	0.90
S. Jézéquel	C4	Computing/Software	General Tasks	FR LAPP, Annecy	0.05
F. Chollet	C4	Computing/Software	General Tasks	FR LAPP, Annecy	0.05

Information taken from OTP report

Total computing involvement = 0.70 FTE (0 C2, 0 C3, 0.70 C4)
(also LCG-FR)

Class 2 : 0 FTE

Name	OTP	Activity	System	Task	FTE

Class 3 : 0 FTE

Name	OTP	Activity	System	Task	FTE

Class 4 : 0.70 FTE

Name	OTP	Activity	System	Task	FTE
Institute	C4	Computing/Software	General Tasks	FR LPC, Clermont	0.70

Information taken from OTP report

Total computing involvement = 1.52 FTE (0.17 C2, 0.45 C3, 0.90 C4)
(also LCG-FR)

Class 2 : 0.17 FTE

Name	OTP	Activity	System	Task	FTE
Sophie Trincaz-Duvoid	C2	Computing/Software	General Tasks	ADCoS Senior shifts	0.07
Mélissa Ridel	C2	Computing/Software	General Tasks	ADCoS Senior shifts	0.10

Class 3 : 0.45 FTE

Name	OTP	Activity	System	Task	FTE
Frédéric Derue	C3	Computing/Software	General Tasks	Cloud Operation & Management / Cloud squad	0.45

Class 4 : 0.90 FTE

Name	OTP	Activity	System	Task	FTE
Aurélien Bailly-Reyre	C4	Computing/Software	General Tasks	FR GRIF, Paris	0.30
Frédéric Derue	C4	Computing/Software	General Tasks	FR GRIF, Paris	0.10
Victor Mendoza	C4	Computing/Software	General Tasks	FR GRIF, Paris	0.50

Information taken from OTP report

Total computing involvement = 0.13 FTE (0 C2, 0.05 C3, 0.08 C4)

NB : end of the LPSC Tier 2 end of January 2023 !

Class 2 : 0 FTE

Name	OTP	Activity	System	Task	FTE

Class 3 : 0.05 FTE

Name	OTP	Activity	System	Task	FTE
P-A Delsart	C3	Computing/Software	General Tasks	Cloud Operation & Management	0.05

Class 4 : 0.08 FTE

Name	OTP	Activity	System	Task	FTE
P-A Delsart	C4	Computing/Software	General Tasks	FR LPSC, Grenoble	0.02
Institute	C4	Computing/Software	General Tasks	FR LPSC, Grenoble	0.06