

# French S&C involvement

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with inputs from CAF institutes representatives*

Calcul ATLAS France (CAF) meeting  
9<sup>th</sup> December 2021

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, DOMA-FR, LCG-FR, ...  
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
- appointments as appearing in glance

ADAM Coordinator // Activities and Detector Projects // Software and Computing // ATLAS Database and Metadata (ADAM)		ANDREA, Formica	Saclay CEA (France)	2021-01-01	2022-03-31	active
Conditions Evolution Coordinator // Activities and Detector Projects // Software and Computing // ATLAS Database and Metadata (ADAM)		ANDREA, Formica	Saclay CEA (France)	2021-01-01	2022-03-31	active
Convener of subgroup: Software // Activities and Detector Projects // Physics // Combined Performance Groups // Flavour tagging CP group	0	ARNAUD, Duperrin	Marseille CPPM (France)	2021-02-01	2023-03-31	active
Convener of subgroup: Reconstruction and Software // Activities and Detector Projects // Physics // Combined Performance Groups // Egamma CP group	0	JEAN-BAPTISTE, De Vivie De Regie	Grenoble LPSC (France)	2021-10-01	2023-09-30	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	2022-09-30	active

- DOMA access: co-convener S. Jézéquel

## ● Other S&C responsibilities

- WLCG/LCG-FR: member of CoDir / scientific director L. Dufлот

Information taken from OTP report

→ either Activity= «Computing & Software », either appears the key-word « software »

System	Activity	Task	Institution	Description	Committed [FTE]	Allocated [FTE]	Task requirement [FTE]
Pixel	Computing and Software	Software Development/Maintenance and Physics Performance	CPPM	Performance studies and software development	0.80	0.10	2.98
LAr	Data Preparation	Reconstruction,EDM,Validation	CPPM	Software validation (J. Toth)	0.20	0.07	0.17
DAQ/HLT	Detector Operation	DataFlow	CPPM	Node-level dataflow management software maintenance	0.15	0.00	0.10
General Tasks	Computing and Software	TAG/EI and Conditions/Metadata Database Development	IJCLab	Develop and operate the EventIndex (Hadoop)	1.00	0.55	3.22
General Tasks	Computing and Software	TAG/EI and Conditions/Metadata Database Development	IRFU	Develop and maintain the conditions database infrastructure	0.65	0.20	1.49
LAr	Detector Operation	LAr online software	LAPP	LAr online SW maintenance & development, TDAQ version migration	1.00	1.19	5.07
LAr	Detector Operation	LAr online software	LAPP	LAr online SW maintenance & development, TDAQ version migration	1.00	1.19	5.07
LAr	Detector Operation	Home stations	LAPP	online software test station	0.10	0.00	0.00
Pixel	Computing and Software	Software Development/Maintenance and Physics Performance	LPNHE	Radiation Damage Group Coordinator and general performance studies	0.50	0	0.89
Pixel	Computing and Software	Software Development/Maintenance and Physics Performance	LPNHE	Offline software, rad damage, performance studies	0.25	0.02	2.98
General Tasks	Computing and Software	Reconstruction	LPSC	JET-Athena-Reconstruction	0.20	0.20	1.74
General Tasks	Data Preparation	Dataset-level metadata catalogs and infrastructure (AMI)	LPSC	Support and developemnt for AMI	2.70	0	0

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

	Software					ADAM	Computing				
	Core	Upgrade	Data/ Detector	Reco/ Ana	Total [S&C+AS]	Total	C2	C3	C4	Other	Total
APC*			0.08	0.10	0.18 [0.18]						
CC- IN2P3									3.30		3.30
CPPM		2.34	3.16	0.54	6.04 [2.00]			0.05	0.65		0.70
IJCLab	0.20			0.28	0.58 [0.58]	1.12			0.30	0.40	0.70
IRFU						0.60		0.05	0.60		0.65
LAPP			2.80	0.42	3.22 [0.42]		0.06	0.10	1.10		1.26
LPC			0.15	0.40	0.55 [0]				0.75		0.75
LPNHE			0.60	0.68	1.28 [1.04]		0.13	0.45	0.85		1.43
LPSC				0.48	0.48 [0.40]	2.02			0.90		0.95
L2IT		3.00			3.00 [0]						
Total	0.20	5.34	6.79	2.90	15.33 [4.62]	3.74	0.19	0.65	8.45	0.40	9.74

(\*contributions from mid-October to December, for earlier period counted as LPNHE)  
 French S&C involvement, CAF-user meeting, 9/12/2021

Information taken from OTP report

Total software involvement = 2.70 FTE (was 1.90 in 2020)

**Other (ACTS etc ...) : 2.70 TE**

Name	OTP	Activity	System	Task	FTE
J. Stark		Computing/Software	Upgrade	ITksoftware and tracking	0.40
C. Rougier		Computing/Software	Upgrade	ITksoftware and tracking	0.40
J. Sardain		Computing/Software	Upgrade	ITksoftware and tracking	0.40
A. Vallier		Computing/Software	Upgrade	ITksoftware and tracking	0.40
S. Caillou		Computing/Software	Upgrade	ITksoftware and tracking	1.00
C. Biscarat		Computing/Software	Upgrade	ITksoftware and tracking	0.10

# 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

(contributions from mid-October to December, for earlier period counted as LPNHE)

Software involvement = 0.18 FTE, S&C+AS = 0.18 FTE

(Core=0, Upgrade=0, Detector=0.08, Ana/Reco=0.10)

## Pixel detector: 0.08 FTE (Data/Detector=0.08) [S&C+AS=0.08]

Name	OTP	Activity	System	Task	FTE
M. Bomben	C3	Computing/Software	Pixel	Software Development/Maintenance and Physics Performance	0.08

## Reco/Ana: 0.10 FTE (Ana/Reco=0.10) [S&C+AS=0.10]

Name	OTP	Activity	System	Task	FTE
R. Bouquet	C3	Computing/Software	General Tasks	Analysis Model Group	0.03
G. Marchiori	C3	Computing/Software	General Task	Group activities	0.06
G. Marchiori	C2	Computing/Software	General Task	Analysis Release Shift	0.01

## Other (ACTS etc ...) : FTE

Name	OTP	Activity	System	Task	FTE

Information taken from [OTP report](#)

Software involvement = 6.24 FTE (was 4.78 in 2020), S&C+AS Activity = 1.80 FTE  
(Core=0, Upgrade=0.55, Detector=3.42, Reco/Analysis=0.85)

## LAr: 3.32 FTE (Upgrade=1.50, Detector=1.82) [S&C+AS=0]

Name	OTP	Activity	System	Task	FTE
G. Aad	C3	Detector Operation	LAr	LAr online software	0.04
F. Bernon	C3	Detector Operation	LAr	LAr online software	0.24
M. Biaut	C3	Detector Operation	LAr	Phase-II LAr	0.50
T. Calvet	C3	Detector Operation	LAr	Phase-II LAr	0.70
E. Fortin	C3	Detector Operation	LAr	LAr online software	0.60
E. Fortin	C3	Detector Operation	LAr	Phase-II LAr	0.20
E. Knoops	C3	Detector Operation	LAr	LCS experts	0.10
E. Knoops	C3	Detector Operation	LAr	LAr online software	0.10
D. Laugier	C3	Detector Operation	LAr	LAr online software	0.30
D. Laugier	C3	Detector Operation	LAr	LCS experts	0.30
D. Laugier	C3	Detector Operation	LAr	Phase-II LAr	0.10
J. Toth	C3	Data Preparation	LAr	Reconstruction,EDM,Validation	0.14

## Pixel: 0.20 FTE (Detector=0.20) [S&C=0.20]

Name	OTP	Activity	System	Task	FTE
F. Djama	C3	Computing/Software	Pixel	Software Development/Maintenance and Physics Performance	0.10
A. Rozanov	C3	Computing/Software	Pixel	Software Development/Maintenance and Physics Performance	0.10

## Tracking: 0.94 FTE (Upgrade=0.34, Detector=0.60) [S&C+AS=0.94]

Name	OTP	Activity	System	Task	FTE
T. Strebler	C3	Computing/Software	Upgrade	Itk offline software	0.10
T. Strebler	C3	Computing/Software	ID Gen	Common Tracking Software Support	0.60
T. Strebler	C3	Computing/Software	Upgrade	ITK - Performance Studies	0.24

## Trigger: 0.54 FTE (Detector=0.54) [S&C+AS=0]

Name	OTP	Activity	System	Task	FTE
L. Feligioni	C3	Trigger	General Tasks	Bjet Software and performance	0.24
E. Nagy	C3	Trigger	General Tasks	Bjet Software and performance	0.30

**b-tagging : 0.66 FTE (Upgrade=0.20, Reco/Ana=0.46) [S&C+AS=0.24]**

Name	OTP	Activity	System	Task	FTE
A. Duperrin	C3	Analysis Support	General Tasks	Internal software	0.22
A. Duperrin	C3	Computing/Software	General Tasks	Reconstruction	0.24
A. Duperrin	C3	Analysis Support	General Tasks	Run 4	0.10
T. Streber	C3	Analysis Support	General Tasks	Run 4	0.10

**Other tasks : 0.38 FTE (Upgrade=0.30, Reco/Ana=0.08) [S&C+AS=0.08]**

Name	OTP	Activity	System	Task	FTE
A. Duperrin	C3	Computing/Software	General Tasks	Validation of software release	0.08
T. Streber	C3	Detector Operation	Upgrade	Convener Upgrade Physics Group	0.06
T. Streber	C3	Detector Operation	General Tasks	Phase-II HGTD	0.24

**Other (ACTS etc ...) : FTE**

Name	OTP	Activity	System	Task	FTE

Information taken from OTP report

Software involvement = 0.48 FTE (was 1.87 in 2020, part moved to ADAM),

S&C+AS Activity = 0.48 FTE

(Core=0.20, Upgrade=0, Detector=0, Ana/Reco=0.28)

## Reconstruction/Analysis: 0.28 FTE (Reco/Ana=0.28) [S&C+AS=0.28]

Name	OTP	Activity	System	Task	FTE
L. Duflot	C3	Computing/Software	General Tasks	Distributed Analysis Shifts 1st level	0.14
N. Morange	C3	Computing/Software	General Tasks	Analysis Model Group	0.04
A. Schaffer	C3	Analysis support	General Tasks	Validation	0.10

## Core software: 0.20 FTE (Core=0.20) [S&C+AS=0.20]

Name	OTP	Activity	System	Task	FTE
A. Schaffer	C3	Computing/Software	General Tasks	Core services	0.20

## Other (ACTS etc ...) : FTE

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

+ ACTS non ATLAS members : 3 persons (+1 in 2022)

total of ~ 2 FTE on ACTS ~ 3 in 2022

Information taken from OTP report

Software involvement = 0 FTE (was 1.07 in 2020, part moved to ADAM),

S&C+AS Activity = 0 FTE

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

**Other (ACTS etc ...) : FTE**

Name	OTP	Activity	System	Task	FTE

Information taken from OTP report

Software involvement = 3.22 FTE (was 2.33 in 2020), S&C+AS Activity = 0.42 FTE  
(Core=0, Upgrade=0.02, Detector=2.80, Ana/Reco=0.42)

**LAr detector: 2.40 FTE (Detector=2.40) [S&C+AS=0]**

Name	OTP	Activity	System	Task	FTE
F. Bellachia	C3	Detector Operation	LAr	LAr online software	0.30
N. Chevillot	C3	Detector Operation	LAr	LAr online software	0.60
N. Dumont Dayot	C3	Detector Operation	LAr	LAr online software	0.10
T. Guillemin	C3	Detector Operation	LAr	LAr online software	0.60
S. Lafrasse	C3	Detector Operation	LAr	LAr online software	0.20
E. Sauvan	C3	Detector Operation	LAr	LAr online software	0.20
L. Selem	C3	Detector Operation	LAr	LAr online software	0.40

**Trigger: 0.40 FTE (Detector=0.40) [S&C+AS=0]**

Name	OTP	Activity	System	Task	FTE
T. Hryn'ova	C3	Trigger	General Tasks	egamma software and performance	0.20
O. Lavoryk	C3	Trigger	General Tasks	egamma software and performance	0.20

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

Name	OT P	Activity	System	Task	FTE
A. Sanchez	C3	Computing/Software	General Tasks	Analysis Model Group	0.20
E. Sauvan	C3	Computing/Software	General Tasks	Group Activities	0.04
M. Belfkir	C3	Analysis Support	General Tasks	Perf Egamma	0.08
S. Jezequel	C3	Analysis Support	General Tasks	Perf Egamma-Upgrade	0.02
A. R. Cueto Gomez	C3	Analysis Support	General Tasks	Validation/Generatpr	0.08

**Other (ACTS etc ...) : FTE**

Name	OTP	Activity	System	Task	FTE
J. Léveque		ACTS		ML for tracking	

Information taken from OTP report

Software involvement = 0.55 FTE (was 0.70 in 2020), S&C+AS Activity = 0 FTE  
(Core=0, Upgrade=0, Detector=0.15, Ana/Reco=0.40)

## Tile: 0.15 FTE (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 : 0.40 FTE (Ana/Reco=0.40) [S&C+AS=0]

Name	OTP	Activity	System	Task	FTE
R. Madar	X	"Analysis support"	«spin correlation analysis group »	Analysis group framework & ntuple production	0.20
O. Perin	X	"Analysis support"	"HH multilepton analysis group"	Analysis group framework & ntuple production	0.20

## Other (ACTS etc ...) : FTE

Name	OTP	Activity	System	Task	FTE

Information taken from OTP report

(\*contributions from January to mid-October, for later period counted as APC)

Software involvement = 1.28 FTE (was 1.48 in 2020), S&C+AS = 1.04 FTE

(Core=0, Upgrade=0, Detector=0.60, Ana/Reco=0.68)

## Pixel detector: 0.36 FTE (Detector=0.36) [S&C+AS=0.36]

Name	OTP	Activity	System	Task	FTE
*M. Bomben	C3	Computing/Software	Pixel	Software Development/Maintenance and Physics Performance	0.32
G. Calderini	C3	Computing/Software	Pixel	Software Development/Maintenance and Physics Performance	0.04

## Data preparation 0.24 FTE (Detector=0.24) [S&C+AS=0]

Name	OTP	Activity	System	Task	FTE
B. Laforge	C3	Data Preparation	General Tasks	Offline DQ Monitoring Software & Debugging -- Egamma	0.20
B. Laforge	C3	Data Preparation	General Tasks	Offline DQ Monitoring Software & Debugging – Jet/Etmiss/CaloGlobal	0.04

**Reco/Ana: 0.68 FTE (Reco/Ana=0.68) [S&C+AS=0.68]**

Name	OTP	Activity	System	Task	FTE
*R. Bouquet	C3	Computing/Software	General Tasks	Analysis Model Group	0.11
Y. He	C3	Computing/Software	General Tasks	Analysis Model Group	0.10
B. Malaescu	C3	Computing/Software	General Task	Analysis Model Group	0.14
B. Malaescu	C3	Computing/Software	General Task	Group Activities	0.02
*G. Marchiori	C3	Computing/Software	General Task	Group activities	0.24
*G. Marchiori	C2	Computing/Software	General Task	Analysis Release Shift	0.05
B. Malaescu	C3	Analysis support	General Task	Internal software	0.04

**Other (ACTS etc ...) : FTE**

Name	OTP	Activity	System	Task	FTE

Information taken from OTP report

Software involvement = 0.48 FTE (was 2.50 in 2020, partly moved to ADAM),

S&C+AS Activity = 0.44 FTE

(Core=0, Upgrade=0, Detector=0.04, Ana/Reco=0.44)

## Data preparation: 0.04 FTE (Detector=0.04) [S&C+AS=0]

Name	OTP	Activity	System	Task	FTE
P-A Delsart	C3	Data Preparation	General Tasks	Offline DQ Monitoring Software & Debugging -- Jet/Etmiss/CaloGlobal	0.04

## Reconstruction/Analysis: 0.44 FTE (Reco/Ana=0.44) [S&C+AS=0.44]

Name	OTP	Activity	System	Task	FTE
P-A Delsart	C3	Computing/Software	General Tasks	Reconstruction	0.40
J-B de Vivie	C3	Analysis Support	General Tasks	Internal Software	0.04

## Other (ACTS etc ...) : FTE

Name	OTP	Activity	System	Task	FTE

Information taken from OTP report

Total software involvement = 3.0 FTE (was 1.9 in 2020)

**Other (ACTS etc ...) : 3.00 TE**

Name	OTP	Activity	System	Task	FTE
J. Stark		Computing/Software	Upgrade	ITksoftware and tracking	0.40
C. Rougier		Computing/Software	Upgrade	ITksoftware and tracking	0.80
J. Sardain		Computing/Software	Upgrade	ITksoftware and tracking	0.40
A. Vallier		Computing/Software	Upgrade	ITksoftware and tracking	0.10
S. Caillou		Computing/Software	Upgrade	ITksoftware and tracking	1.00
C. Biscarat		Computing/Software	Upgrade	ITksoftware and tracking	0.30

# Databases and Metadata (ADAM)

Information taken from OTP report

ADAM involvement = 1.12 FTE (was 1.10 in 2020)

## ADAM: 1.12 FTE

Name	OTP	Activity	System	Task	FTE
J. Hrivnac	C3	Computing/Software	General Tasks	TAG/EI and conditions/metadata database development	0.30
G. Rybkin	C3	Computing/Software	General Tasks	TAG/EI and conditions/metadata database development	0.80
G. Rybkin	C3	Detector Operation	General Tasks	Phase-II ITk Pixel	0.02

Information taken from OTP report  
ADAM involvement = 0.60 FTE (was 0.64 in 2020),

## ADAM: 0.60 FTE

Name	OTP	Activity	System	Task	FTE
A. Formica	C3	Computing/Software	General Tasks	ADAM Group Coordination	0.20
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 = 2.02 FTE (was 2.02 in 2020)

## ADAM: 2.02 FTE

Name	OTP	Activity	System	Task	FTE
P-A Delsart	C3	Computing/Software	General Tasks	Dataset-level metadata catalogs and infrastructure (AMI)	0.24
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)	0.64
J. Odier	C3	Computing/Software	General Tasks	Dataset-level metadata catalogs and infrastructure (AMI)	0.64

# 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 = 0.70 FTE (0 C2, 0.05 C3, 0.65 C4)  
(also DOMA-FR, LCG-FR) was 0.70 in 2020

## 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 = 0.75 FTE (0 C2, 0.05 C3, 0.30 C4, 0.40 Other)  
was 0.35 in 2020 (count now also « Other »)

## Class 2 : 0 FTE

Name	OTP	Activity	System	Task	FTE

## 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 = 0.65 FTE (0 C2, 0.05 C3, 0.60 C4)  
was 1.20 in 2020 (less C3 & C4)

## Class 2 : 0 FTE

Name	OTP	Activity	System	Task	FTE

## Class 3 : 0.05 FTE

Name	OTP	Activity	System	Task	FTE
J-P Meyer	C3	Computing/Software	General Tasks	Cloud Operation & Management / cloud manag.	0.05

## Class 4 : 0.60 FTE

Name	OTP	Activity	System	Task	FTE
Institute	C4	Computing/Software	General Tasks	FR GRIF, Saclay	0.45
J-P Meyer	C4	Computing/Software	General Tasks	FR GRIF, Saclay	0.15

Information taken from OTP report

Total computing involvement = 1.26 FTE (0.06 C2, 0.10 C3, 1.10 C4)  
(also DOMA-FR, LCG-FR and ESCAPE) was 1.68 in 2020 (less C2 & C3)

## Class 2 : 0.06 FTE

Name	OTP	Activity	System	Task	FTE
C. Adam	C2	Computing/Software	General Tasks	ADCoS Senior shifts	0.06

## Class 3 : 0.10 FTE

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

## Class 4 : 1.10 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-Le Flour	C4	Computing/Software	General Tasks	FR LAPP, Annecy	0.15

Information taken from OTP report

Total computing involvement = 0.75 FTE (0 C2, 0 C3, 0.75 C4)  
(also LCG-FR) was 0.75 in 2020

## Class 2 : 0 FTE

Name	OTP	Activity	System	Task	FTE

## Class 3 : 0 FTE

Name	OTP	Activity	System	Task	FTE

## Class 4 : 0.75 FTE

Name	OTP	Activity	System	Task	FTE
Institute	C4	Computing/Software	General Tasks	FR LPC, Clermont	0.75

Information taken from OTP report

Total computing involvement = 1.48 FTE (0.13 C2, 0.45 C3, 0.90 C4)  
(also LCG-FR) was 1.52 in 2020

## Class 2 : 0.13 FTE

Name	OTP	Activity	System	Task	FTE
Mélissa Ridet	C2	Computing/Software	General Tasks	ADCoS Senior shifts	0.06
Sophie Trincaz-Duvoid	C2	Computing/Software	General Tasks	ADCoS Senior shifts	0.07

## Class 3 : 0.45 FTE

Name	OTP	Activity	System	Task	FTE
Frédéric Derue	C3	Computing/Software	General Tasks	Cloud Operation & Management / Cloud squad	0.30
Frédéric Derue	C3	Computing/Software	General Tasks	Cloud Operation & Management / Cloud manag.	0.15

## 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 = 0.85 FTE (0 C2, 0 C3, 0.85 C4)  
was 1.29 in 2020 (less C2)

## Class 2 : 0 FTE

Name	OTP	Activity	System	Task	FTE

## Class 3 : 0.05 FTE

Name	OTP	Activity	System	Task	FTE

## Class 4 : 0.85 FTE

Name	OTP	Activity	System	Task	FTE
P-A Delsart	C4	Computing/Software	General Tasks	FR LPSC, Grenoble	0.05
Institute	C4	Computing/Software	General Tasks	FR LPSC, Grenoble	0.8