

# Users Committee meeting

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Proteomics Platform

Mass Spectrometry for Biology UTechS (MSBio)

*Institut Pasteur, CNRS UAR 2024*

[M. Matondo](#)

J. Chamot-Rooke

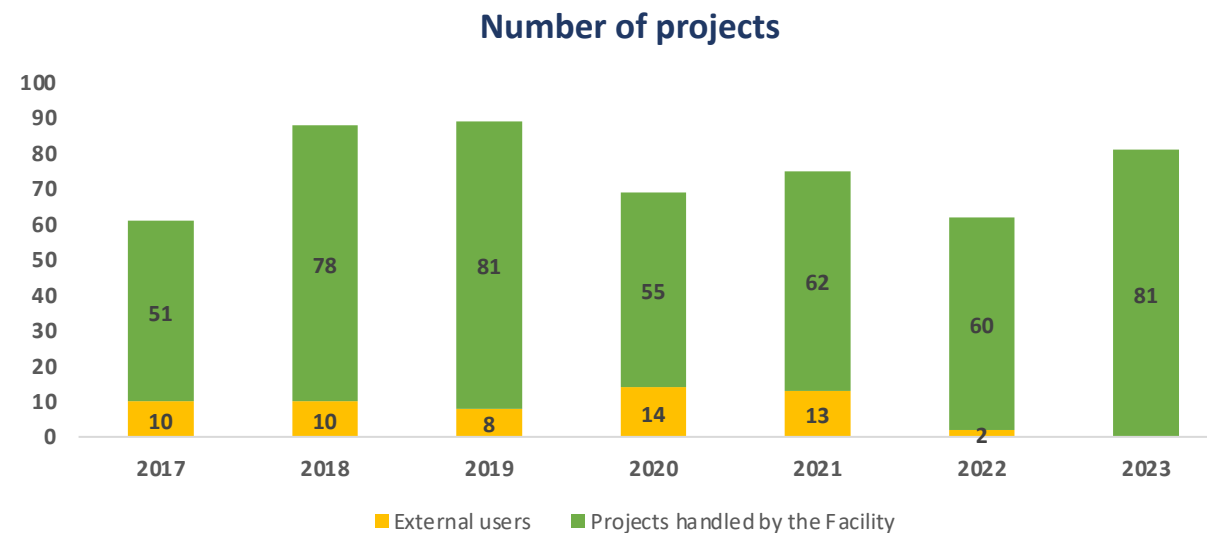
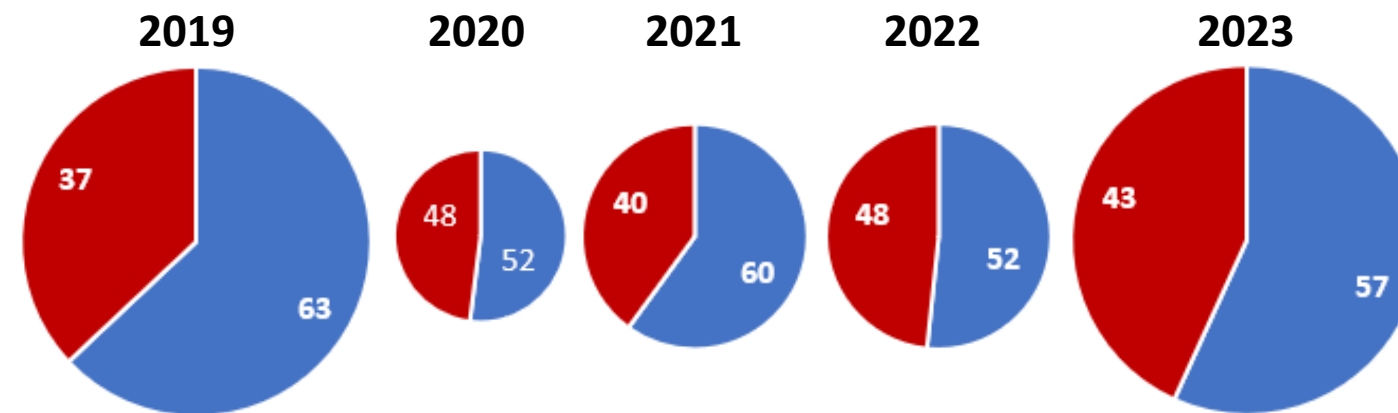
[01/02/2024](#)



# Projects-2023

- **81 incoming projects** handled by the facility in 2023
- **95 % submitted by an IP researcher** (10 IP departments)

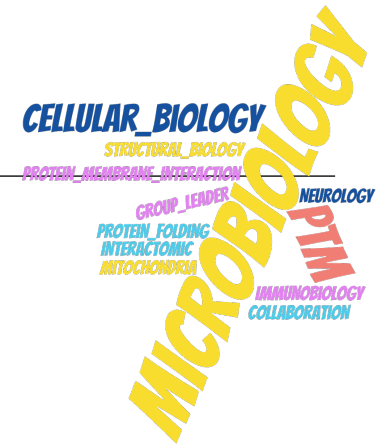
service  
Collaboration



Main collaborations for 2023

Biomarkers  
Proteomes  
PTMs  
Interactomics

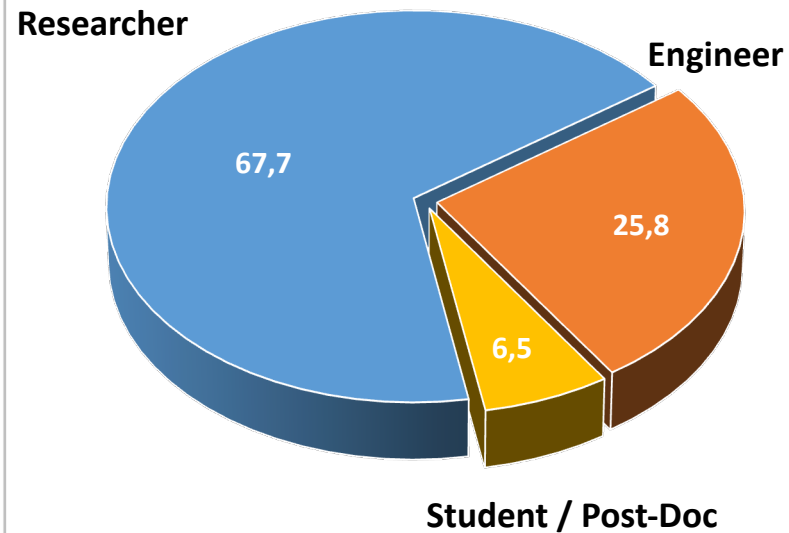
# Satisfaction survey



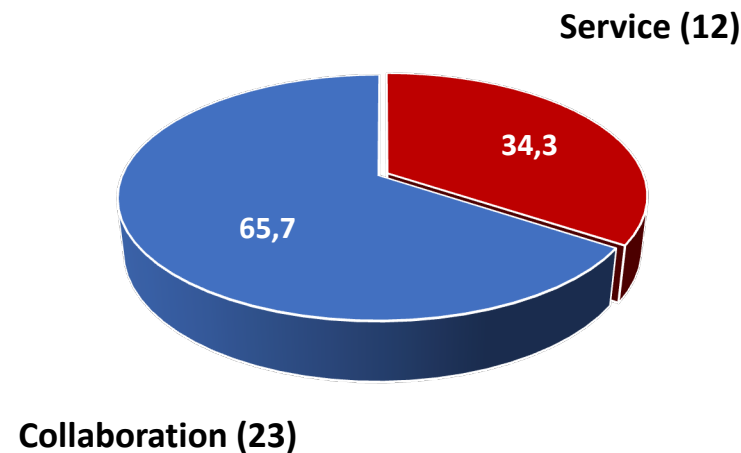
## Details of the survey:

- Used support: **LimeSurvey** (license C3BI)
- **14 questions** including 8 common to the C2RT and 6 specific to MSBio
- **Targets:** direct collaborators + unit/group leaders (**70 projects for 97 targets representing 46 units**)
- **Number of answers** : 35 (**36.1%**)

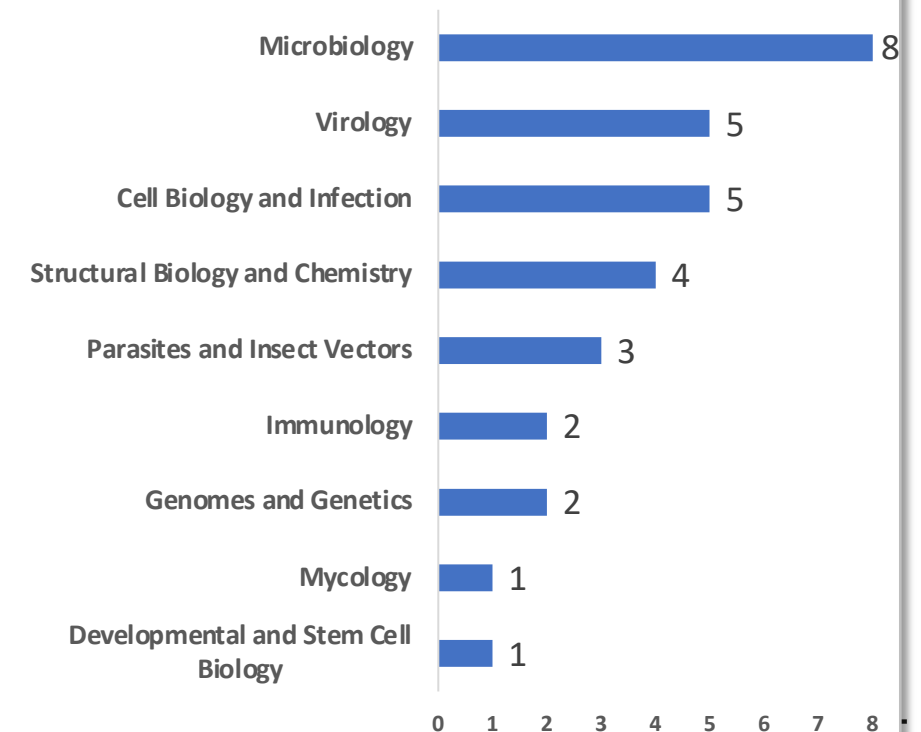
What is your position? (R=31)



Service or Scientific collaboration? (R=35)

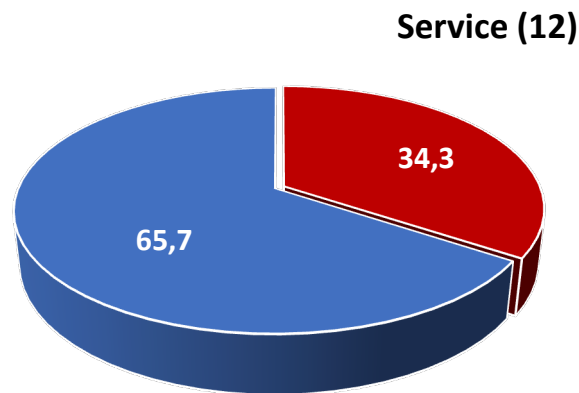


What is your scientific department? (R=31)



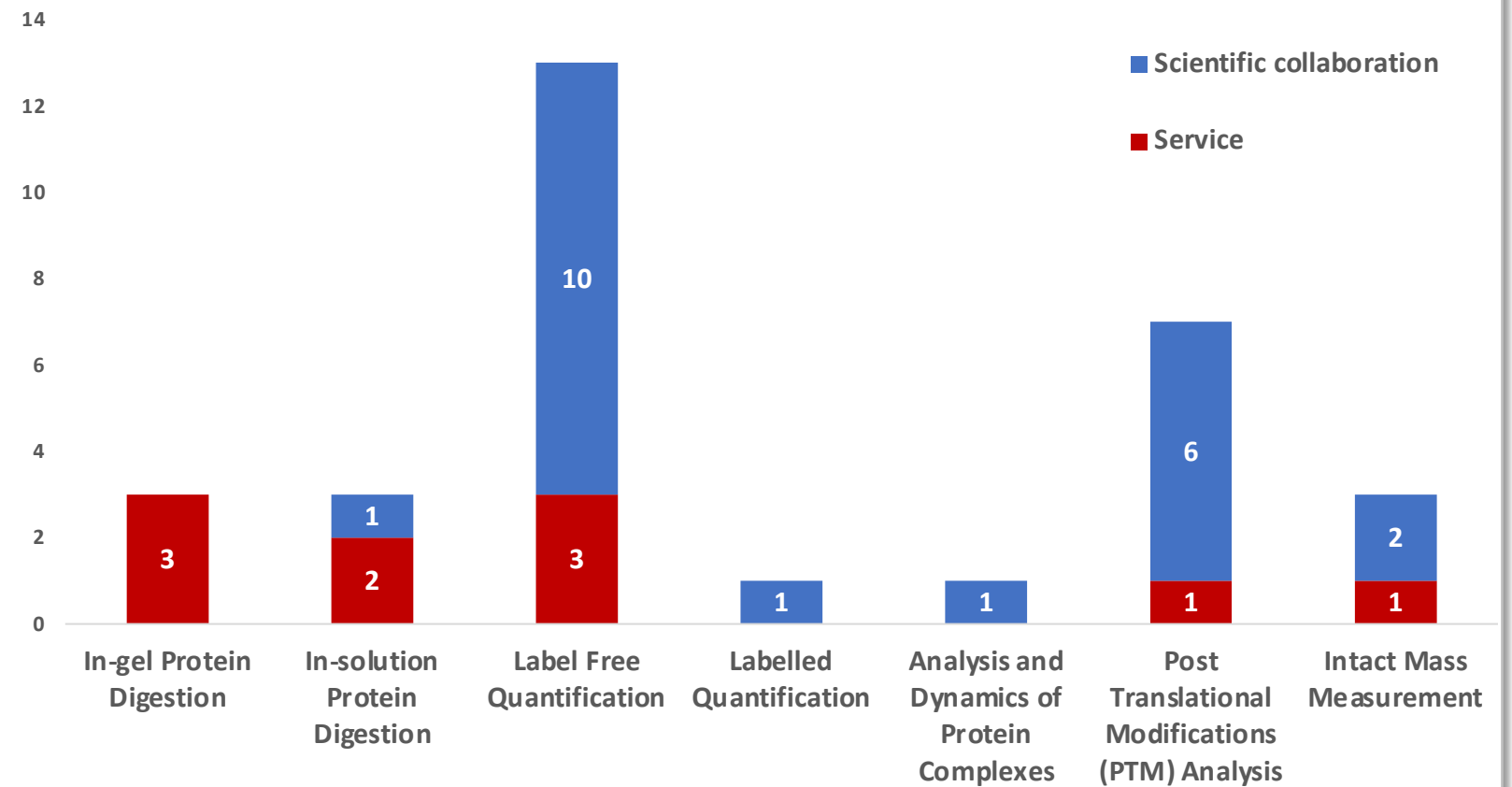
# Satisfaction survey

Service or Scientific collaboration? (R=35)



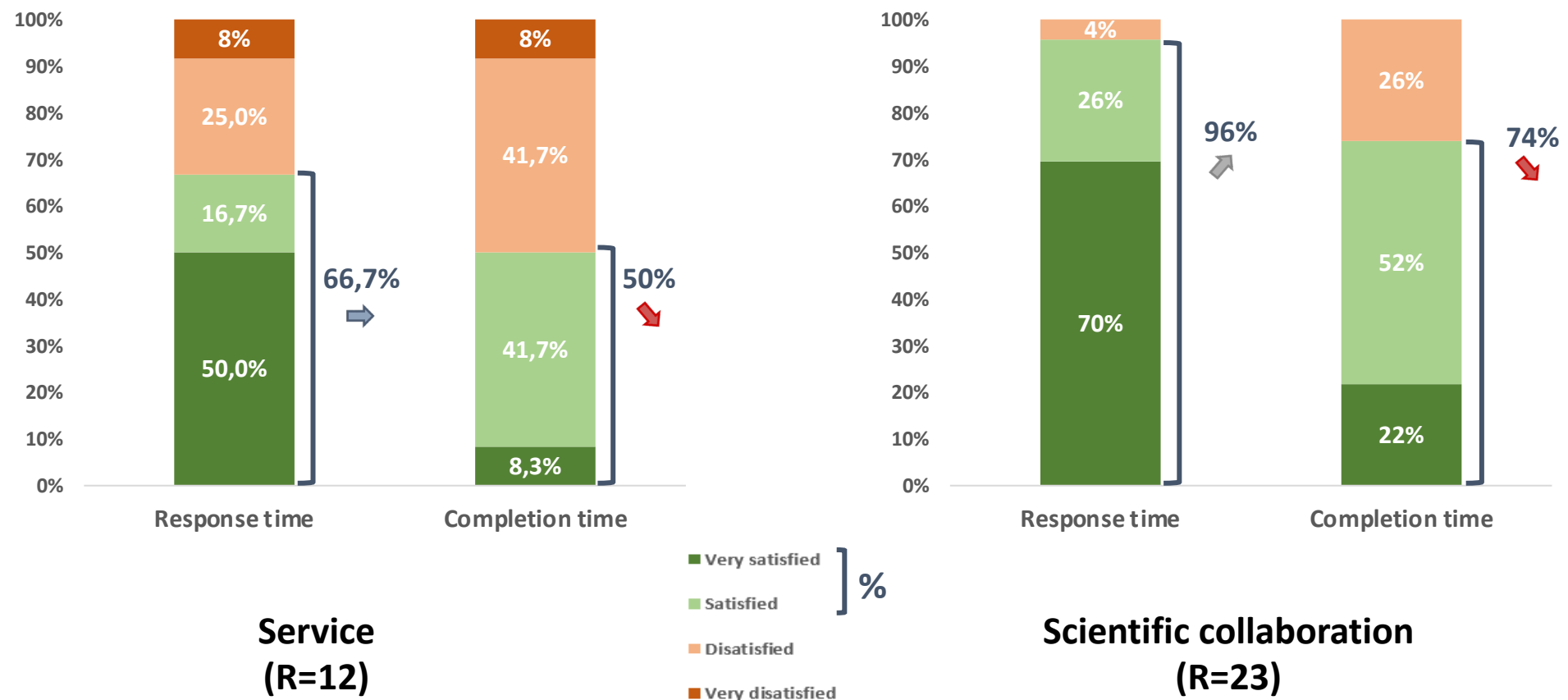
Scientific collaboration (23)

What type(s) of experiments did you request to the platform? (R=31)



# Satisfaction survey

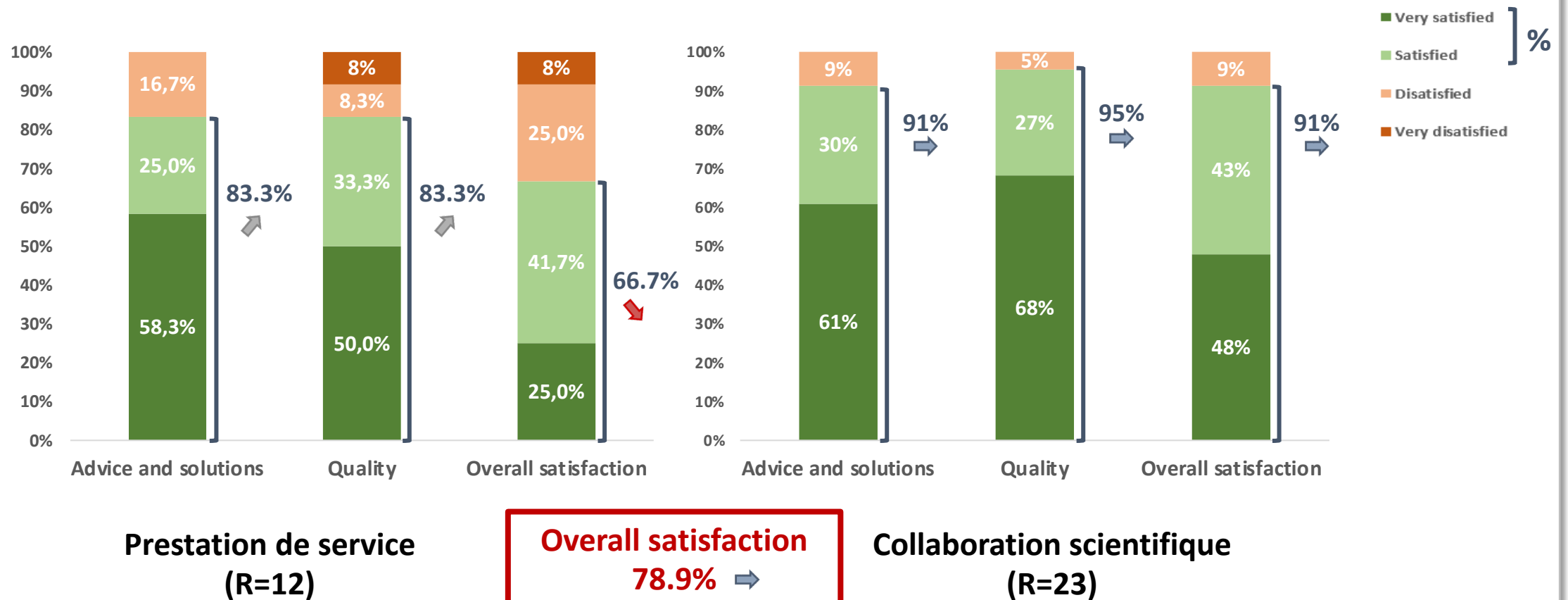
Are you satisfied with the responsiveness of processing your request ?  
How do you evaluate the completion time for your project ?







# Satisfaction survey

How do you evaluate the advice and solutions given to you?  
Did the service provided meet your needs in terms of quality?  
What is your overall satisfaction?





# Satisfaction survey

What do you think of the achievement cost of the project? (R=31)

	Global	Service	Scientific collaboration
Affordable	77.4%	70.0% 	81% 
Expensive	22.6%	30.0%	19%

Would you use our services again ? (R=35)

	Global	Service	Collaboration
Yes	82.9%	66.7% 	91.3% 
No	17.1%	33.3%	8.7%

# Satisfaction survey

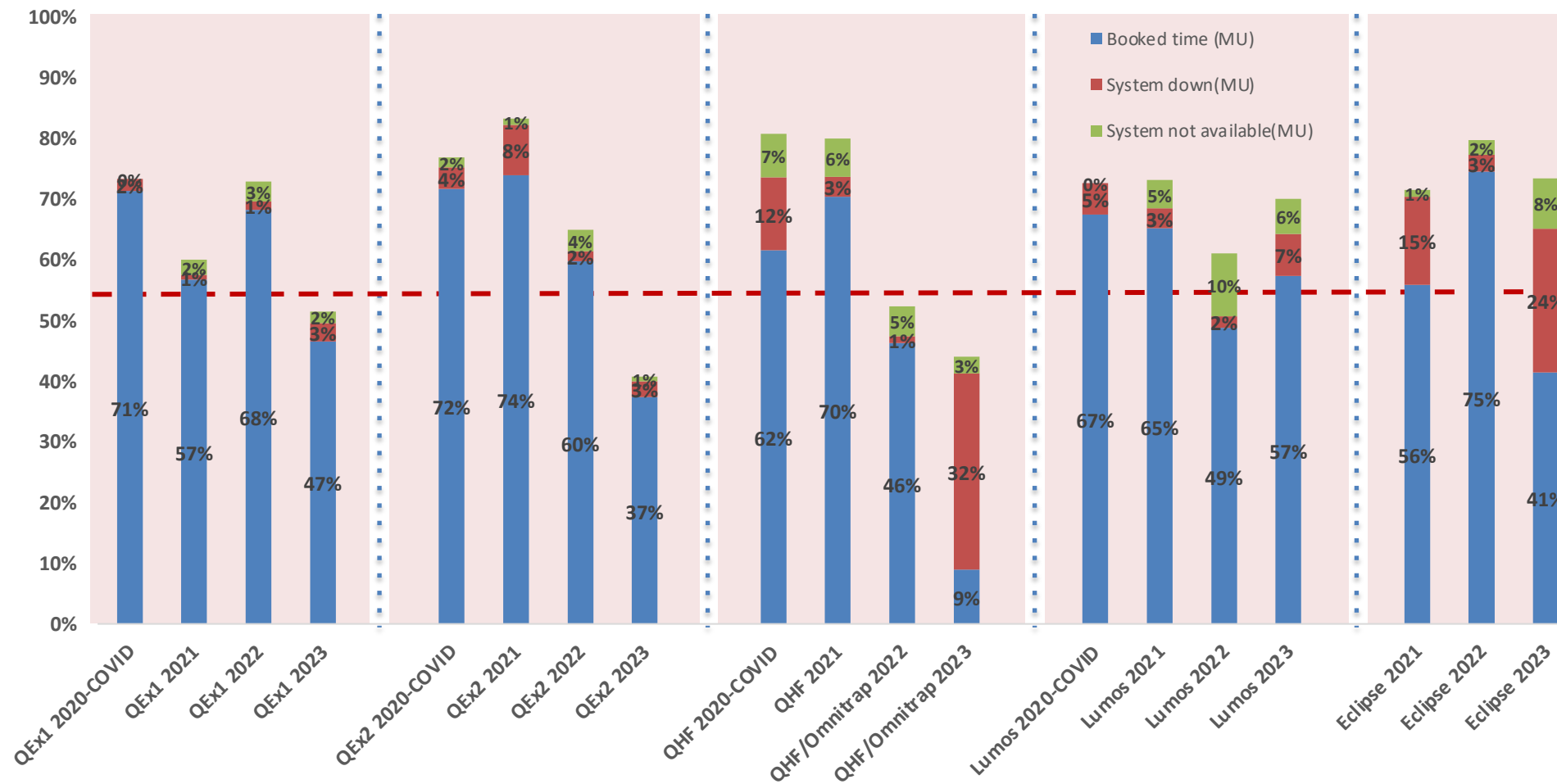
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## Evolution: 2017 - 2023

	2017	2018	2019	2020	2021	2022	2023
Nb of participants	41	40	46	32	46	25	35
Representative department	BSC	BCI	M	M	M	M	M
Service / Collaboration (%)	ND	27 / 73	35 / 65	35 / 65	30 / 70	56 / 44	34 / 66
Would you advise your colleagues to work with us? (%)	ND	70/100	100/100	75 / 100	90 / 91	56 / 100	67 / 91
<b>Overall satisfaction</b>	<b>79</b>	<b>86</b>	<b>97</b>	<b>92</b>	<b>90</b>	<b>81</b>	<b>79</b>










# Evolution of the utilization rate



**Proposal:** Reserve an MS instrument exclusively for providing services and conducting feasibility tests to improve the turnaround time for experiments

# Achievements

Indicators		Target	Results 2023
Service	Satisfaction rate: quality	80%	83% 
	Satisfaction rate: deadline	70%	67% / 50%
Scientific collaboration	Satisfaction rate: quality	85%	 95%  
	Satisfaction rate: deadline	70%	96% / 74%
	Nb of critical issues on equipment and infrastructure	<10	 14 (4MS + 10nLC)  
	Unavailability rate	<20%	13.7%

## Method developments in 2023:

[Thermal Proteome Profiling pipeline](#) :ANR TheraEPI (J. Weitzman, P.Arimondo) , G.Spaet Lab

[PTM analysis for Histone by bottom-up and Topdown](#) : ANR TheraEPI (M.Hamon, A.Subtil, P.Arimondo)

[Implementation of a new pipeline for the analysis of the plasma](#): Collaboration Preomics and Resyn

**PREOMICS**

[Initiation of the single cell proteomics](#) : Single cell task force, C4L, ANR PureMagRupture



## Bioinformatic developments:

SAINT : New tool implementated in statistical pipeline analysis (*in used in all interactomics projects*)

MSclassifR (2 papers submitted, PhD A. Godmer)

# Major Achievements of the Platform- 2023

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- **New team member:** Recruitment of M. Gill and E. Bouscasse (100% Facility)
- **New equipment:** Tims ToF Ultra + nanoElute (Jan 2024)
- **New pipelines:** from sample preparation to MS acquisition and data analysis
- **Fundings:** 2 ANR + 2 PTR+ 1 IBEID Project + Mecenat (single Cell) + Covid-19 projects (PFR5-Project) + 1 DIM1 Health
- **15** publications, 2 acknowledgments
- IBiSA labelling renewal
- ISO9001 certification renewal