

WP	Deliverables/Milestones	2019												2020												2021												2022					
		January	February	March	April	May	June	July	August	September	October	November	December	January	February	March	April	May	June	July	August	September	October	November	December	January	February	March	April	May	June	January	February	March	April	May	June						
1 Omnitrap development and testing FASMATECH, THERMO FISHER	D1.1 : Two fully equipped Omnitrap & one IMS installed	[Task bar from Jan 2019 to Feb 2021]																																									
	D1.2: Modified Omnitrap with updated software	[Task bar from Jan 2019 to Feb 2021]																																									
	D1.3: Fully serviced, functioning Omnitrap & IMS	[Task bar from Jan 2019 to Feb 2021]																																									
	2. Omnitrap & IMS Electronics design	[Task bar from Jan 2019 to Dec 2019]																																									
	4. Omnitrap & IMS P.O.s sent to suppliers	[Task bar from Jan 2019 to Dec 2019]																																									
	5. Omnitrap & IMS Mechanical design	[Task bar from Jan 2019 to Dec 2019]																																									
	9. Interfacing pi-Trap-Orbitrap OMNI-ORBI combination	[Task bar from Jan 2019 to Aug 2021]																																									
		[Task bar from Jan 2019 to Feb 2021]																																									
		[Task bar from Jan 2019 to Feb 2021]																																									
2 Implementation of CAD, ECD, HECD, UV, IR, PD, and EID MS/MS techniques in Omnitrap KI, FASMATECH, THERMO FISHER, TNTU, IP	D2.1: in situ testing of the optimized CAD MS/MS protocol	[Task bar from Jan 2019 to Aug 2020]																																									
	D2.2: Protocol of in situ testing of the optimized CAD	[Task bar from Jan 2019 to Oct 2020]																																									
	D2.3: in situ testing optimized ECD, HECD and EID MS/MS	[Task bar from Jan 2019 to Apr 2021]																																									
3 Development and application of H-atom bombardment (HAB MS/MS techniques) FASMATECH, KI, THERMO FISHER, TNTU, IP	D3.1: Prototype of the HAB gun installed and tested protocol	[Task bar from Jan 2019 to Aug 2020]																																									
	D3.2: Optimized HAB guns installed and tested - protocols	[Task bar from Jan 2019 to Apr 2021]																																									
	7. Suffic HAB MS/MS demonstrated	[Task bar from Jan 2019 to Aug 2021]																																									
4 Development and application of Coulomb explosion MS/MS technique KI, FASMATECH, BIOMOTIF, TNTU, IP	D4.1: Protocol- CED gun prototype installed and tested	[Task bar from Jan 2019 to Apr 2021]																																									
	D4.2: Protocols: CED guns installed and tested	[Task bar from Jan 2019 to Aug 2021]																																									
	12. Development of CED MS/MS	[Task bar from Jan 2019 to Feb 2021]																																									
5 Development of pi-Trap-ESI combination BIOMOTIF, KI, THERMO FISHER, TNTU, IP, MS VISION	D5.1: Prototype pi-Trap-ESI installed and tested – protocol	[Task bar from Jan 2019 to Aug 2020]																																									
	D5.2: Two tested, optimized pi-Trap-ESI installed and tested	[Task bar from Jan 2019 to Feb 2021]																																									
	8. Interfacing pi-Trap- Orbitrap	[Task bar from Jan 2019 to Aug 2021]																																									
	13. All technologies interfaced	[Task bar from Jan 2019 to Feb 2021]																																									
6 Modification of the Orbitrap mass spectrometer THERMO FISHER, KI	D6.1: Installation of Q Exactive instrument for Omnitrap development	[Task bar from Jan 2019 to Dec 2019]																																									
	D6.2: Modified Orbitrap QExactive HF X installed	[Task bar from Jan 2019 to Feb 2021]																																									
	3. Installation of Q Exactive instrument for Omnitrap development	[Task bar from Jan 2019 to Dec 2019]																																									
	9. Interfacing pi-Trap-Orbitrap OMNI-ORBI combination	[Task bar from Jan 2019 to Aug 2021]																																									
7 Signal detection and data processing SPECTROSWISS, KI, FASMATECH, TNTU, IP	D7.1: Two Prototype FTMS Booster installed and tested-protocol	[Task bar from Jan 2019 to Oct 2020]																																									
	D7.2: Top-down analysis software	[Task bar from Jan 2019 to Apr 2021]																																									
	D7.3: Optimized FTMS Boosters test protocols	[Task bar from Jan 2019 to Feb 2021]																																									
	1. Demonstrated effectiveness of product ion isotopic distribution deconvolution	[Task bar from Jan 2019 to Dec 2019]																																									
	6. Data processing algorithms and software for simulated and experimental topdown mass spectra and time-domain data transients	[Task bar from Jan 2019 to Aug 2020]																																									
	10. Data analysis algorithms and software for simulated and experimental topdown data analysis	[Task bar from Jan 2019 to Apr 2021]																																									
8 Dissemination, Communication & Exploitation MS VISION, KI, FASMATECH, THERMO FISHER, SPECTROSWISS, BIOMOTIF, TNTU, IP	D8.1: IP protection strategy finalized	[Task bar from Jan 2019 to Feb 2019]																																									
	D8.2: Draft Exploitation plan and Business strategy document	[Task bar from Jan 2019 to Dec 2019]																																									
	D8.3: Young scientist TopSpec technology workshop	[Task bar from Jan 2019 to Feb 2021]																																									
	D8.4: Public demonstrations of TopSpec technology	[Task bar from Jan 2019 to Apr 2021]																																									
	D8.5: Scientific reports and publications	[Task bar from Jan 2019 to Feb 2021]																																									
	D8.6: Exploitation plan and Business strategy document	[Task bar from Jan 2019 to Feb 2021]																																									
9 Project Management and Administration KI, FASMATECH, THERMO FISHER, SPECTROSWISS, BIOMOTIF, TNTU, IP, MS VISION	D9.1: Logo and Website launch and public accessibility	[Task bar from Jan 2019 to Feb 2019]																																									
	D9.2: Data management plan	[Task bar from Jan 2019 to Apr 2019]																																									
	D9.3: Technical/scientific review meeting documents	[Task bar from Jan 2019 to Dec 2019]																																									
	D9.4: Review meetings	[Task bar from Jan 2019 to Apr 2021]																																									
	D9.5: Final Review meetings	[Task bar from Jan 2019 to Feb 2021]																																									