Surveys of massive stars: preparing for Gaia

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• Why do surveys of massive stars now?

★ Agents of change

★ Scarce and hard to find

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  ★ Identification and characterization

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- Why do surveys of massive stars now?

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- What can we learn from the surveys?   Gaia contribution

  ★ Identification and characterization   Average

  ★ Multiplicity   Good

  ★ Spatial distribution and statistical properties   Good/Excellent

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Surveys of Galactic massive stars

	Survey	PI	#	# O	Resol.	Sample	Spectral types	Epochs	Done
Interm. resol.	GOSSS	Maíz Apellániz	3000	1500	2500	N+S	O (+ B + WR)	1-6	50%
Imaging	AstraLux	Maíz Apellániz	1000	800	100 mas	N	O (+ B + WR)	1	30%
	AstraLux Sur	Maíz Apellániz	800	550	100 mas	S	O (+ B + WR)	1	0%
High resol.	OWN	Barbá + Morrell	300	250	15 000 - 46 000	S	O + WN	10	80%
	IACOB	Simón Díaz	300	150	23 000 - 46 000	N	O + B	1-5	98%
	IACOB-sweG	Negueruela	100	60	85 000	N	O + B	1	50%
	NoMaDS	Pellerin	200	150	30 000	dim N	O (+ B + WR)	1-5	50%
	CAFÉ-BEANS	Negueruela	100	100	62 000	N	O	10	0%