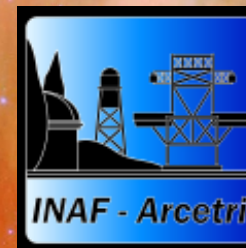


The Dark Side of Metallicity



F. Mannucci



Different metallicities

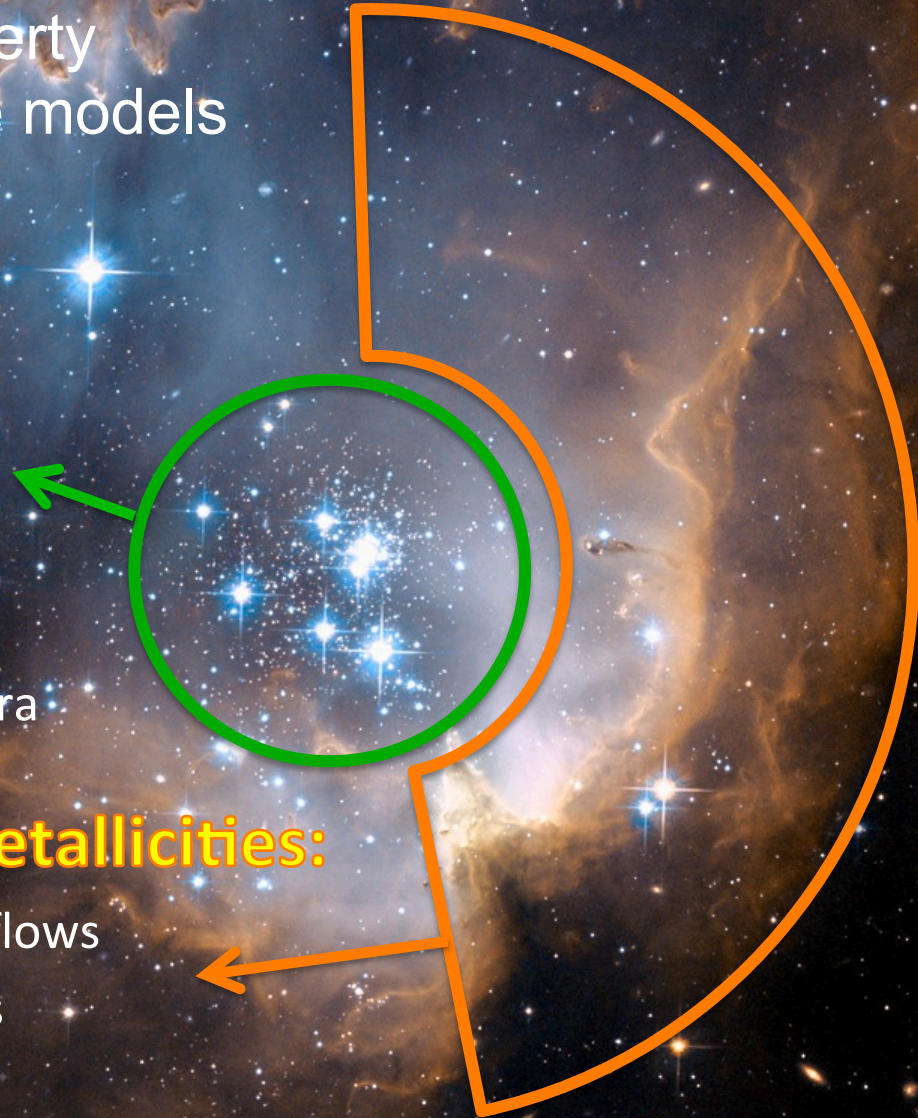
- Basic, integrated property
- Fundamental to test the models

1. Stellar metallicities:

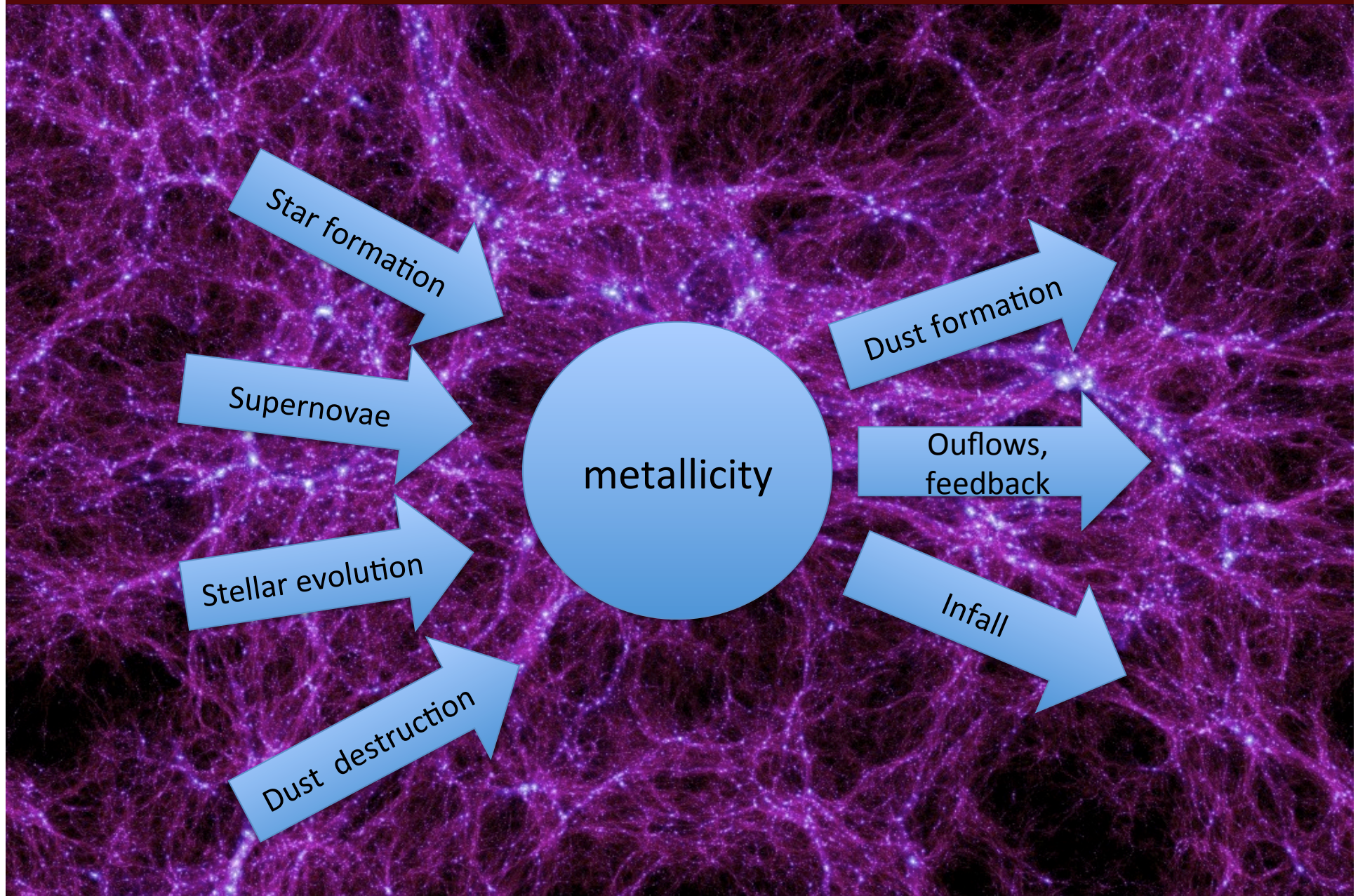
- Most of the mass
- Most of the metals
- From optical and UV spectra

2. Gas-phase nebular metallicities:

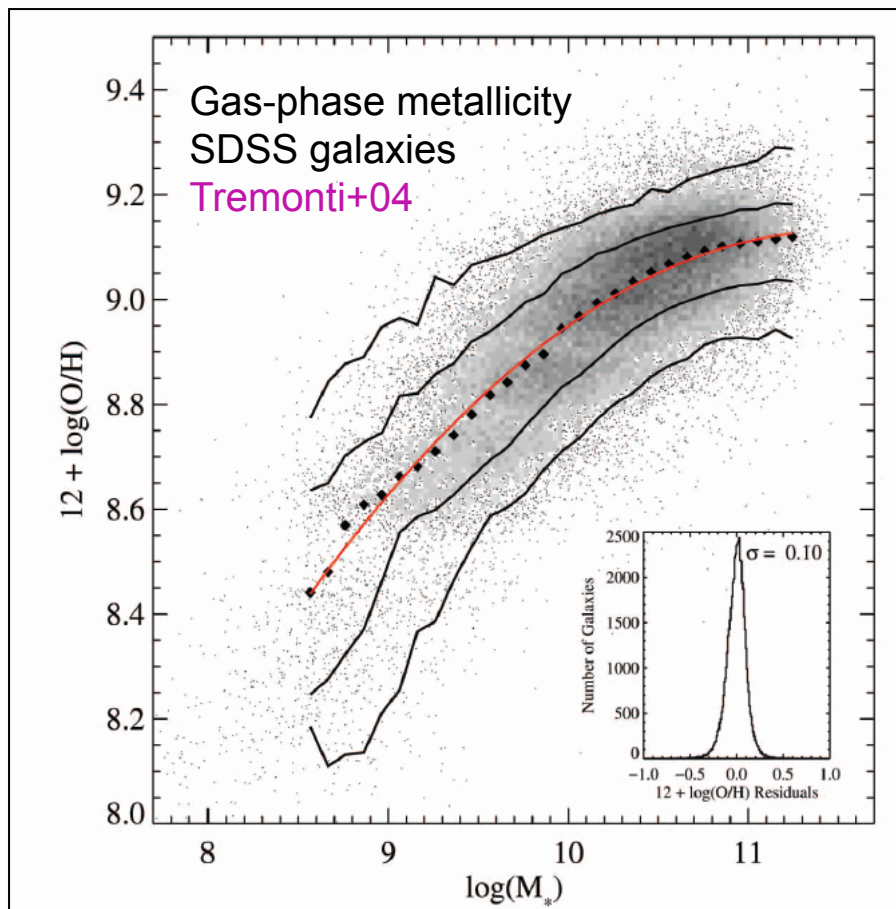
1. Sensitive to infalls and outflows
2. From optical emission lines



Metallicity



Mass-metallicity relation



Stellar metallicity
SDSS galaxies
Gallazzi+05

