Star forming region paper status and roadmap

Subjects	Modelling	Analysis
Isolated objects : young massive stars	AA/AM 2 sources : IRAS 16547-4247 IRAS 18162-2048 (HH 80/81) SED one-zone, variability ?	AA/EOW X
Isolated objects : bow shocks from runaways	MVdV 1 source: BD+43°3654 SED one-zone	MVdV/EOW X
Isolated objects Colliding wind Binaries ?	RK, MVdV X gamma^{2}Velorum	? X
Massive star clusters	GV/EA/SM : TS+bubble model Cygnus OB2/W1/W2 SED, radial profiles Other objects ? NGC 3603 (LS), Rosetta nebula (GM/AM) What about gamma-rays from the cluster itself (Bykov model) ?	SM Cygnus OB2/W1/W2
LMC	PM : 2 zone model Doradus 30 SED	PM X
Star burst galaxies	GM/EP/EGP/FJ M82, NGC253, Arp 220 SEDs (nucleus, wind)	AL M82, NGC253, Arp 220
Gamma-ray/SFR correlation	AM, who else ?	

Actually we have done some analysis but not yet the production of simulations to explore the parameter space including new IRFs …).

Next steps

- Isolated objects: start analysis effort on YSO and bow shocks.
- Which model for CWBs if some ?
- Finish modelling/analysis MSC for W2.
- Include a model for the cluster itself (SG could help)
- Do we add models for NGC 3603/Rosetta nebula ? one-zone easy to do but more sophisticated ones possible.
- Model/analysis for Doradus 30.
- Finish modelling/analysis of the wind component in SBs.
- Discuss gamma-ray/SFR relation in the draft.