



# Herschel follow-up of the SCUBA-2 All-Sky Survey (SASSy)

- JCMT-accessible sky to a  $5\sigma$   $850\mu\text{m}$  depth of  $150\text{mJy}$  from late 2007; expect up to  $\sim 1000$  galaxies
- More timely for Herschel Planck ERCSC,  $14''$  beam
- AKARI drop-outs at  $z > 3$
- Photometric & spectroscopic HSO OTKP goals:
  - SEDs,  $L_{\text{bol}}$ ,  $M_{\text{dust}}$ , photo- $z$
  - “blind” spectroscopic redshift
  - Atomic line species (e.g. C+, O++, N+ ) and molecules (e.g. OH, H<sub>2</sub>O) to probe SFR,  $\rho$ , T of ISM, radiation field, etc.



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